

## 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

Bern, 20-24 March 2023

Item 7 of the provisional agenda

Accidents and risk management

9 March 2023

### **Working group on the improvement of the Report on occurrences – complementary information to informal document INF.25 (ERA)**

#### **Submitted by the Government of France**

1. France welcomes the document from ERA and we are very grateful for the work done on the coordination of the reporting of transport of dangerous goods occurrences and the more general reporting of railway occurrences in the context of the Common Safety Methods on the Assessment of Safety Level and Performance of Railway Operators (CSM ASLP).
2. Although this work relates to railway transport, many of the conclusions are valid for other modes. Therefore, we believe it is useful to recall some points relating to multimodal transport.
3. In 2018 the Joint Meeting approved the terms of reference for an informal working group for the improvement of accident reporting (see ECE/TRANS/WP.15/AC.1/152, annex IV) which is reproduced in an annex to this document. It shall also be noted that this work has been based on the outcome of a 3-year workshop that has met before under the guidance of ERA.
4. The working group reported its conclusions to the Joint Meeting at its September 2020 session in document ECE/TRANS/WP.15/AC.1/2020/55 and some related informal documents (INF.40, INF.41, INF.42 and INF.47 of that session).
5. The first answers to the different points in the terms of reference have been given in document ECE/TRANS/WP.15/AC.1/2020/55 and informal document INF.47 provided detailed a proposal for occurrence reporting templates in each mode.
6. The Joint Meeting recommended that the informal working group should resume its work. See (ECE/TRANS/WP.15/AC.1/158, para. 61). Unfortunately, due to the COVID-19 pandemic, difficulties did not facilitate the continuation of that work in the corresponding working group
7. In the meantime, ERA has continued the developpement of the CSM ASLP including consideration of occurrence reporting for railway events and informal document INF.25 to this session provides very useful and more advanced answers to the different points in the terms of reference for railways occurrence reporting, but we believe many concepts are valid for all modes and can easily be transposed.
8. As an improved reporting system is going to be adopted in the European Union (EU) under the CSM ASLP for railways, it is not desirable that other modes would not follow this way or stay behind. So, we believe that it is a good time to continue the activities initiated in the informal working group, as decided by the Joint Meeting.
9. To help this process, we are providing information in this document and its annexes that contain a copy of the initial terms of reference, and 3 draft reports, one for each mode.
10. The draft reports are in substance based on the drafts contained in informal document INF.47 of September 2020 but have been modified to match the work already done for the CSM ASLP. However, the distinction between short-term and long-term reporting mentioned in INF.8 of Joint Meeting of September 2022 does not appear and we believe it requires more consideration.
11. We are conscious that this is a late information document. These drafts are not aimed to initiate a detailed discussion but to help delegations gathering information that would otherwise require research of documents relating to several previous sessions of the Joint Meeting.

12. Finally, we believe that the informal working group should resume its work using this material as a basis and concentrate mainly on the points that have not yet been addressed as follows:
  - (a) Definition of a revised scope for the accident reporting and declaration criteria, if necessary;
  - (b) Coordination with CSM ASLP reporting;
  - (c) Identification of data for short-term and long-term reporting and associated timing;
  - (d) Anonymity issues;
  - (e) Drafting of a new text in 1.8.5 as a frame and introduction to the new reporting;
  - (f) Measures to facilitate declarations and IT tools.
13. To contribute in particular to point (f) above, France would like to offer a presentation to the Joint Meeting on the developpemnt of a national dematerialized occurrence declaration system.
14. The Joint Meeting is invited to take note of this information and decide on the best way forward, as appropriate.

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**Annex I****Terms of reference for the informal working group on the improvement of accident reporting**

The informal working group shall organise its work by examining the points (a) to (h) hereafter. It may complement and adapt them as appropriate during its first session and report to the joint meeting as appropriate.

- (a) Clarify the purpose of reporting information on accidents and identify the use of the reported information (1.8.3.6, 1.8.5, etc);
- (b) Clarify the participants responsible for sending the report and/or complementary information to the report;
- (c) Examine anonymity issues;
- (d) Study the relevant information necessary for the report according to its intended use (such as: lessons learnt from single occurrences, lessons learnt from repeated occurrences, risk assessment) and propose relevant improvements to RID/ADR/ADN;
- (e) Propose measures to facilitate the collection of the report by competent authorities and the transmission of relevant information to the UNECE and OTIF secretariats;
- (f) Exchange of experience from competent authorities on methods that are used to ensure the accuracy of accident reporting;
- (g) Take into account relevant input including the contributions provided by the transport of dangerous goods workshop for risk management, in particular the list established by workgroup A and the “input parameter table” for the harmonised risk estimation model;
- (h) Take into account the relevant IT tools, including coordination with the development of the common occurrence reporting system (COR).

## Draft reports

### REPORT ON OCCURRENCES DURING THE CARRIAGE OF DANGEROUS GOODS IN ACCORDANCE WITH RID SECTION 1.8.5

Date of the report:

<i>Company:</i> .....	
<i>Address:</i> .....	
<i>Contact name:</i> .....	
<i>Telephone:</i> .....	<i>Fax:</i> .....
<i>Email address:</i> .....	

*(The competent authority shall remove this cover sheet before forwarding the report)*

Report on behalf of a company as:

*(Several choices possible)*

- Carrier
  - Railway undertaking
- Railway infrastructure manager
- Entity in charge of maintenance
- Tank-wagon operator
  - Railway undertaking
  - Keeper
- Other
  - Consignor
  - Packer
  - Consignee
  - Loader
  - Filler
  - Tank-container/portable tank operator
  - Unloader
- Other company type (free text input)

DATE AND LOCATION OF OCCURRENCE			
Year...	Month...	Day...	Local Time...
<input type="checkbox"/> Town: <input type="checkbox"/> District: <input type="checkbox"/> Region : <input type="checkbox"/> Country:		<input type="checkbox"/> Geographical coordinates: <input type="checkbox"/> Latitude: <input type="checkbox"/> Longitude:	
NATURE OF OPERATION PERFORMED AT THE TIME OF THE OCCURRENCE :			
<input type="checkbox"/> Carrying moving <input type="checkbox"/> Carrying stationary <input type="checkbox"/> Shunting <input type="checkbox"/> Marshalling <input type="checkbox"/> Loading		<input type="checkbox"/> Filling <input type="checkbox"/> Unloading <input type="checkbox"/> Emptying <input type="checkbox"/> Transhipment <input type="checkbox"/> Other (explain):	
CONTEXT			
<u>WEATHER CONDITIONS:</u>		<u>SURFACE CONDITIONS:</u>	
<input type="checkbox"/> Temperature: ...°C <input type="checkbox"/> Dry <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Fog <input type="checkbox"/> Smoke <input type="checkbox"/> Sleet <input type="checkbox"/> Hail <input type="checkbox"/> Thunder <input type="checkbox"/> Storm <input type="checkbox"/> High Winds <input type="checkbox"/> Heatwave <input type="checkbox"/> Lightning <input type="checkbox"/> Normal Weather Condition <input type="checkbox"/> Unknown		<input type="checkbox"/> Dry surface <input type="checkbox"/> Snow <input type="checkbox"/> Frost <input type="checkbox"/> Ice <input type="checkbox"/> Sleet <input type="checkbox"/> Slippery <input type="checkbox"/> Wet <input type="checkbox"/> Damp <input type="checkbox"/> Leaves <input type="checkbox"/> Flooded <input type="checkbox"/> Unknown <input type="checkbox"/> Others (to explain)	
		<u>LIGHT CONDITIONS</u>	
		<input type="checkbox"/> Daylight <input type="checkbox"/> Darkness <input type="checkbox"/> Twilight <input type="checkbox"/> Twilight sunrise <input type="checkbox"/> Track light lit <input type="checkbox"/> Track light unlit	
INFRASTRUCTURE:			
<u>LINE CATEGORY:</u>		<u>SPECIFIC STRUCTURES:</u>	
<input type="checkbox"/> Train station <input type="checkbox"/> Marshalling yard <input type="checkbox"/> Siding <input type="checkbox"/> Terminal <input type="checkbox"/> Open line <input type="checkbox"/> Single track <input type="checkbox"/> Double track <input type="checkbox"/> Multiple track (more than 2): ...		<input type="checkbox"/> On the bridge <input type="checkbox"/> Under the bridge <input type="checkbox"/> Tunnel entrance <input type="checkbox"/> Inside the tunnel <input type="checkbox"/> Tunnel exit <input type="checkbox"/> Level crossing and type : ... <input type="checkbox"/> Gradient (indicate estimate value)	
		<u>RAILWAY SEGMENTS/ENVIRONMENT</u>	
		<input type="checkbox"/> Rural side <input type="checkbox"/> Urban area <input type="checkbox"/> Industrial area <input type="checkbox"/> Unknown	

TYPE OF RAILWAY EVENT	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Collision (train or wagon(s)):               <ul style="list-style-type: none"> <li><input type="checkbox"/> Front to front collision</li> <li><input type="checkbox"/> Front to end (rear end collision)</li> <li><input type="checkbox"/> Side collision                   <ul style="list-style-type: none"> <li><input type="checkbox"/> right side</li> <li><input type="checkbox"/> left side</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> Other:</li> <li><input type="checkbox"/> Collision with obstacle within the clearance gauge               <ul style="list-style-type: none"> <li><input type="checkbox"/> with object fixed on or near the track                   <ul style="list-style-type: none"> <li><input type="checkbox"/> with butter stops</li> <li><input type="checkbox"/> with part of infrastructure (equipment)                       <ul style="list-style-type: none"> <li><input type="checkbox"/> with overhead contact lines</li> <li><input type="checkbox"/> with bridge pillars</li> <li><input type="checkbox"/> with other fixed object</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> with object temporarily present on or near the track                   <ul style="list-style-type: none"> <li><input type="checkbox"/> with animals</li> <li><input type="checkbox"/> with rocks</li> </ul> </li> <li><input type="checkbox"/> with landslides                   <ul style="list-style-type: none"> <li><input type="checkbox"/> with trees</li> <li><input type="checkbox"/> with lost parts of railway vehicles</li> <li><input type="checkbox"/> with lost or displaced loads</li> <li><input type="checkbox"/> with vehicles and machines or equipment for track maintenance                       <ul style="list-style-type: none"> <li><input type="checkbox"/> Moving</li> <li><input type="checkbox"/> Stationary</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> with road vehicles (not at level crossing)                   <ul style="list-style-type: none"> <li><input type="checkbox"/> Moving</li> <li><input type="checkbox"/> Stationary</li> </ul> </li> <li><input type="checkbox"/> with other temporary objects</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Derailment               <ul style="list-style-type: none"> <li><input type="checkbox"/> on a continuous track</li> <li><input type="checkbox"/> on a switch</li> <li><input type="checkbox"/> on a crossing (other than level-crossing)</li> </ul> </li> <li><input type="checkbox"/> Level-crossing accident               <ul style="list-style-type: none"> <li><input type="checkbox"/> with one or more crossing vehicles</li> <li><input type="checkbox"/> with crossing users (e.g. pedestrians)</li> <li><input type="checkbox"/> with objects temporarily present on or near the track, if lost by a crossing vehicle or a user</li> </ul> </li> <li><input type="checkbox"/> Accidents to persons involving rolling stock in motion (not at level-crossing)</li> <li><input type="checkbox"/> Fire or explosion               <ul style="list-style-type: none"> <li><input type="checkbox"/> in rolling stock</li> <li><input type="checkbox"/> in fixed installations</li> </ul> </li> <li><input type="checkbox"/> Suicides and attempted suicides               <ul style="list-style-type: none"> <li><input type="checkbox"/> suicide</li> <li><input type="checkbox"/> attempted suicide</li> </ul> </li> <li><input type="checkbox"/> Other accident               <ul style="list-style-type: none"> <li><input type="checkbox"/> Electric shock</li> <li><input type="checkbox"/> Cargo falling from a height</li> <li><input type="checkbox"/> Dangerous goods occurrence not related to another type A event</li> <li><input type="checkbox"/> Other</li> </ul> </li> </ul>

**WAGON AND DANGEROUS GOOD CONTAINED** (indicate the information describing the occurrence according the descriptions lists (1) to (13))

**IDENTIFICATION OF WAGONS INVOLVED IN THE OCCURRENCE**

- Total number of wagons involved
  - o of those, total number of DG wagon (s)

**DESCRIPTION OF EACH WAGONS INVOLVED IN THE OCCURRENCE** (reiterate the description for each wagon involded in the occurrence)

**WAGON N°: ....**

Wagon Type <sup>(1)</sup>	Description Of The type of involvement <sup>(2)</sup>	Location Of Fire <sup>(3)</sup>	Crash Type <sup>(4)</sup>	Collision With Vehicule Or Against Fixed Obstacle <sup>(5)</sup>	Collision With Objects Temporarily Present On And Near Track <sup>(6)</sup>

**DANGEROUS GOODS CONTAINED IN THE WAGON**

Un Number <sup>(*)</sup>	Class	Packing Group If Known (If Relevant)	Hazard Labels	Estimated Quantity Of Loss Of Products (Kg Or L) <sup>(**)</sup>	Packing Instructions	Tank Code	Means Of Containment <sup>(7)</sup>	Means Of Containment Material <sup>(8)</sup>	Containement Status <sup>(9)</sup>	Dangerous Phenomena <sup>(10)</sup>	Damage Type (Imminent Risk Of Loss Of Product) <sup>(11)</sup>	Leakage <sup>(12)</sup>	Place Of Leakage <sup>(13)</sup>

(\*) For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.

(\*\*) For class 7, indicate values according to the criteria in 1.8.5.3.

INF.27

<p><i>(1) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Tank wagon</li> <li>2. Battery-wagon</li> <li>3. Closed wagon</li> <li>4. Open wagon</li> <li>5. Sheeted wagon</li> <li>6. Hopper-type bottom</li> <li>7. Intermodal transport unit on wagon</li> </ol> <p><i>(2) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Drop in the water</li> <li>2. Drop from a height</li> <li>3. Collision (if known, indicate impact speed)</li> <li>4. Lost or displaced loads</li> <li>5. Derailment on a crossing other than level-crossing</li> <li>6. Derailment on a level-crossing</li> <li>7. Fire</li> <li>8. Derailment outside of track</li> <li>9. Derailment on a continuous track</li> <li>10. Derailment on a switch</li> <li>11. Rolling over on the track</li> <li>12. Leaving the track</li> </ol> <p><i>(3) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Axle</li> <li>2. Train axle</li> <li>3. Locomotive</li> <li>4. Pressure receptacle</li> <li>5. Trailer</li> <li>6. Tank-trailer</li> <li>7. Semi-trailer</li> <li>8. Intermodal transport unit</li> <li>9. Tractor cab</li> </ol>	<p><i>(4) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Head on collision</li> <li>2. Left front</li> <li>3. Center front</li> <li>4. Right front</li> <li>5. Right side</li> <li>6. Left side</li> <li>7. Right rear</li> <li>8. Center rear</li> <li>9. Left rear</li> </ol> <p><i>(5) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Bridge pillars</li> <li>2. Obstacles outside clearance gauge</li> <li>3. Track immersed in water</li> <li>4. Track submerged in water</li> <li>5. Buffer-stop</li> <li>6. Overhead contact lines</li> <li>7. Railway vehicle</li> <li>8. Moving track maintenance equipment</li> <li>9. Track maintenance equipment on stationary</li> <li>10. Infrastructure's equipment</li> <li>11. Moving road vehicle</li> <li>12. Stopped road vehicle on a level crossing</li> <li>13. Parked vehicle</li> <li>14. Other fixed objects</li> </ol> <p><i>(6) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Animals</li> <li>2. Trees</li> </ol>	<ol style="list-style-type: none"> <li>3. Landslides</li> <li>4. Lost loads</li> <li>5. Lost parts of vehicles on track</li> <li>6. Pedestrian</li> <li>7. Rocks</li> <li>8. Other (to explain)</li> </ol> <p><i>(7) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Packaging</li> <li>2. Large packaging</li> <li>3. Intermediate packaging container (IBC)</li> <li>4. Pressure receptacle</li> <li>5. Pressure drum</li> <li>6. BK 1</li> <li>7. BK 2</li> <li>8. BK 3</li> <li>9. VC1</li> <li>10. VC2</li> <li>11. VC3</li> <li>12. Vacuum-operated waste tanks</li> <li>13. MGEC</li> <li>14. Fixed tank</li> <li>15. Portable tank</li> <li>16. Demountable tank</li> <li>17. Tank container</li> <li>18. Container for packages transport</li> <li>19. Wagon</li> <li>20. Tank wagon</li> <li>21. Battery wagon</li> <li>22. Closed wagon</li> <li>23. Open wagon</li> <li>24. Sheeted wagon</li> <li>25. Fixed tank trailer</li> </ol>	<p><i>(8) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Steel</li> <li>2. Aluminium</li> <li>3. Wood</li> <li>4. Fibreboard</li> <li>5. Plywood</li> <li>6. Plastic film</li> <li>7. Metal</li> <li>8. Paper</li> <li>9. Plastic</li> <li>10. Textile</li> <li>11. Glass</li> </ol> <p><i>(9) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Filled</li> <li>2. Empty and not cleaned</li> <li>3. Empty and not gas free</li> <li>4. Empty and cleaned</li> <li>5. Empty and gas-free</li> </ol> <p><i>(10) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Absence of dangerous phenomena</li> <li>2. Jet fire</li> <li>3. Vapour cloud explosion</li> <li>4. Explosion without fire</li> <li>5. Fire</li> <li>6. Flames</li> <li>7. Jet fire</li> <li>8. Gas cloud fire</li> <li>9. Toxic vapour cloud</li> <li>10. Blevé</li> <li>11. Over pressurized inside the tank / packaging</li> <li>12. Other (explain)</li> </ol>	<p><i>(11) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Bent</li> <li>2. Gouged</li> <li>3. Cut</li> <li>4. Ripped or torn</li> <li>5. Torn off</li> <li>6. Damaged</li> <li>7. Vented</li> <li>8. Dropped</li> <li>9. None</li> </ol> <p><i>(12) Indicate the appropriate number:</i></p> <ol style="list-style-type: none"> <li>1. Small release</li> <li>2. Limited release</li> <li>3. Continuous release</li> <li>4. Full release</li> <li>5. None</li> </ol> <p><i>(13) Indicate the appropriate number:</i></p> <ol style="list-style-type: none"> <li>1. Cylinder valve</li> <li>2. Flange</li> <li>3. Gauging device</li> <li>4. Hose coupling</li> <li>5. Inlet valve</li> <li>6. Inner packaging</li> <li>7. Inner receptacle</li> <li>8. Loading/unloading lines</li> <li>9. Piping or fittings</li> <li>10. Bottom valve</li> <li>11. Pressure relief valve</li> <li>12. Tank shell</li> <li>13. Vacuum relief valve</li> <li>14. Vent</li> <li>15. Weld or seam</li> <li>16. Bursting disk</li> <li>17. Body</li> <li>18. Bottom</li> <li>19. Lid</li> <li>20. None</li> <li>21. Other (to explain)</li> </ol>
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**DEEMED CAUSES****Operation failures:**

- Failure to operate the infrastructure
  - Improper routing
  - On track plant incorrectly outside possession
  - Pushed switch
  - Other failure to operate the infrastructure
- Failure to operate a train or rail vehicle(s)
  - Signal passed at danger when passing a danger point
  - Signal passed at danger without passing a danger point
  - Runaway
  - Over-speeding
  - Loading irregularity
    - Improper securing arrangement
    - Inadequate blocking and bracing
    - Other loading irregularity
  - Train composition Failure
  - Train available for boarding or alignment outside platform
  - Passenger entrapment in door
  - Train departure with open door
  - Long stop in tunnel
  - Severe brake/snatch
  - Brake not correctly set for load
  - Brake not checked
  - Other failure to operate a train or rail vehicle(s)
- Other un-coded operation failure

**Technical failure of the infrastructure**

- Failure of the track
  - Broken rail
  - Track buckle and other track misalignment
    - Gauge spread
    - Track twist
    - Improper rail fastening and joints
    - Other track buckle and other track misalignment
  - Wrong-side signalling (infrastructure) failure
  - Switch and crossing failure
  - Failure of the level crossing equipment
  - Disorder of earthworks/embankment failure
  - Other failure of the track
- Structures failure
  - Tunnel failure
  - Viaduc! failure
  - Culvert failures
  - Rail bridge structural failure
  - Over line bridge (e.g., pedestrian) failure
  - Station structure failure
  - Platform failure
  - Other structures failure
- Other failures of the infrastructure
  - Power supply equipment failure
  - Train detection equipment failure
  - Overhead contact line failure
  - Loss of ventilation
  - Other
- Other un-coded technical failure of the infrastructure

**Technical failure of the vehicles:**

- Failure of the wheelset
  - Broken wheel on rolling stock in service
  - Broken axle on rolling stock in service
  - Hot axle box
  - Suspension system failure
  - Other failure of the wheelset
- Failure of the braking system
  - Brake not operating with the expected performance
  - Other failure of the braking system
- Other failures of the vehicle
  - Wrong side signalling (vehicle) failure
  - Losing of vehicle parts
  - Traction motor failure (electrical)
  - Diesel engine failure
  - Coupling failure
  - Doors failure
  - Loss of ventilation
  - ERTMS/ATP/APC odometry error
  - Twisted underframe
  - Train detection equipment failure
  - Other
- Other un-coded technical failure of the vehicles

**Other:**

- Fire external to railway system in proximity of rail infrastructure,
- Unauthorised presence of staff/employees on railway system
- Unauthorised presence of other third parties on the railway system

**External direct or indirect causes:**

- Landslides
  - Rock/stone fall
- Earthquake
- Vegetation
- Flooding
- Other
  - Environmental relevant factors*
    - Fog*
    - Frost*
    - Ice*
    - High winds*
    - Storm*
    - Snow*
    - Heat*
  - Other (explain): (text)

<p><b>Related to DG carried:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> incompatible products</li> <li><input type="checkbox"/> incompatible material of the containment with the product carried</li> <li><input type="checkbox"/> self-ignition</li> <li><input type="checkbox"/> polymerization</li> </ul> <p><b>Faulty load securing:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> improper securing arrangement</li> <li><input type="checkbox"/> inadequate blocking and bracing</li> </ul> <p><b>Human performance (causal factor):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> External events - Security             <ul style="list-style-type: none"> <li><input type="checkbox"/> deliberate action</li> <li><input type="checkbox"/> Other - External events - Security</li> </ul> </li> <li><input type="checkbox"/> Dynamic staff factors             <ul style="list-style-type: none"> <li><input type="checkbox"/> Intention: Expectation / Intention while acting /Decision model / Error type                 <ul style="list-style-type: none"> <li><input type="checkbox"/> deliberate action</li> <li><input type="checkbox"/> Other - Intention</li> </ul> </li> <li><input type="checkbox"/> Attention / Vigilance/ Concentration                 <ul style="list-style-type: none"> <li><input type="checkbox"/> inattention</li> <li><input type="checkbox"/> carelessness (driving, shunting)</li> <li><input type="checkbox"/> Other - Attention / Vigilance/ Concentration</li> </ul> </li> <li><input type="checkbox"/> Fatigue                 <ul style="list-style-type: none"> <li><input type="checkbox"/> sleepiness</li> <li><input type="checkbox"/> Other - fatigue</li> </ul> </li> <li><input type="checkbox"/> Stress (incl. emotions &amp; psychosocial factors)</li> <li><input type="checkbox"/> Situational awareness (incl. self-awareness - situational self- knowledge)                 <ul style="list-style-type: none"> <li><input type="checkbox"/> effect of alcohol</li> <li><input type="checkbox"/> effect of narcotic drugs</li> <li><input type="checkbox"/> Other - situational awareness</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> Static Staff Factors             <ul style="list-style-type: none"> <li><input type="checkbox"/> Experience: Familiarity / Individual experiences - job history                 <ul style="list-style-type: none"> <li><input type="checkbox"/> lack of experience</li> <li><input type="checkbox"/> inadequate training</li> <li><input type="checkbox"/> Other - experience</li> </ul> </li> <li><input type="checkbox"/> Fit to work (matching to the requirements of the tasks/activities, health)                 <ul style="list-style-type: none"> <li><input type="checkbox"/> medical treatment</li> <li><input type="checkbox"/> medical emergency</li> <li><input type="checkbox"/> Other - fit to work</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> Static Task Factors             <ul style="list-style-type: none"> <li><input type="checkbox"/> Task instructions - Quality of procedures and rules                 <ul style="list-style-type: none"> <li><input type="checkbox"/> non-compliance with procedures</li> <li><input type="checkbox"/> Other - task instructions, quality of procedures and rules</li> </ul> </li> </ul> </li> <li><input type="checkbox"/> Other</li> </ul>	<p><b>Related to TDG procedure:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> improper preparation for transport</li> <li><input type="checkbox"/> inadequate maintenance</li> <li><input type="checkbox"/> inadequate procedures</li> <li><input type="checkbox"/> overfilled</li> <li><input type="checkbox"/> over pressurized</li> <li><input type="checkbox"/> valve open</li> </ul> <p><b>Failure of the DG containment or its equipment:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Electrical system failure</li> <li><input type="checkbox"/> Mechanical system failure</li> <li><input type="checkbox"/> Broken component or device</li> <li><input type="checkbox"/> Defective component or device</li> <li><input type="checkbox"/> Missing component or device</li> <li><input type="checkbox"/> Abrasion</li> <li><input type="checkbox"/> Exterior corrosion</li> <li><input type="checkbox"/> Interior corrosion</li> <li><input type="checkbox"/> Damaged lining</li> <li><input type="checkbox"/> Other failure of the DG containment or ils equipment</li> </ul>
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**CONSEQUENCES**MATERIAL AND ENVIRONMENT DAMAGES:

- Pollution
  - Air
  - Water
  - Soil
- Estimated quantity of loss
- Estimated total quantity of financial loss (euro)

INVOLVEMENT OF AUTHORITIES:

- Involvement Of Authorities:
  - No
  - Yes (to precise authority): ...
- Evacuation of personnes for a duration of at least 3 hours caused by the dangerous goods involved
  - No
  - Yes
- Closure of public traffic routes for a duration of at least 3 hours
  - No

Yes (to precise closure duration if known)

DEATH AND INJURY IN DANGEROUS GOODS COMPANY PERSONAL

- Total number of injured
  - Of Those Total Number Of Injured Caused By Dangerous Good
    - Serious Injury (Abbreviated Injury Scale >3)
    - Minor Injury (Abbreviated Injury Scale <3)
    - Not Known
- Nature of injury
  - Traumatic: ...
  - Intoxicated: ...
  - Thermal Burns: ...
  - Chemical Burn: ...
  - Radiation: ...
    - Days Of Hospitalization (If Known): ...
- Total number of death
  - Of Those, Death Number Caused By Dangerous Good

DEATH AND INJURY OF PASSENGERS :

- Total number of injured
  - Of Those Total Number Of Injured Caused By Dangerous Good
    - Serious Injury (Abbreviated Injury Scale >3)
    - Minor Injury (Abbreviated Injury Scale <3)
    - Not Known
- Nature of injury
  - Traumatic: ...
  - Intoxicated: ...
  - Thermal Burns: ...
  - Chemical Burn: ...
  - Radiation: ...
    - Days Of Hospitalization (If Known): ...
- Total number of death
  - Of Those, Death Number Caused By Dangerous Good

**INF.27**

DEATH AND INJURY IN DANGEROUS GOODS TRESPASSERS:

- Total number of injured
  - Of Those Total Number Of Injured Caused By Dangerous Good
    - Serious Injury (Abbreviated Injury Scale >3)
    - Minor Injury (Abbreviated Injury Scale <3)
    - Not Known
- Nature of injury
  - Traumatic: ...
  - Intoxicated: ...
  - Thermal Burns: ...
  - Chemical Burn: ...
  - Radiation: ...
    - Days Of Hospitalization (If Known): ...
- Total number of death
  - Of Those, Death Number Caused By Dangerous Good

DEATH AND INJURY OF THIRD PARTY :

- Total number of injured
  - Of Those Total Number Of Injured Caused By Dangerous Good
    - Serious Injury (Abbreviated Injury Scale >3)
    - Minor Injury (Abbreviated Injury Scale <3)
    - Not Known
- Nature of injury
  - Traumatic: ...
  - Intoxicated: ...
  - Thermal Burns: ...
  - Chemical Burn: ...
  - Radiation: ...
    - Days Of Hospitalization (If Known): ...
- Total number of death
  - Of Those, Death Number Caused By Dangerous Good

ADDITIONAL DESCRIPTION:

.....

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**REPORT ON OCCURRENCES DURING THE CARRIAGE OF DANGEROUS GOODS IN  
ACCORDANCE WITH ADR SECTION 1.8.5**

Date of the report:

<i>Company:</i> .....	
<i>Address:</i> .....	
<i>Contact name:</i> .....	
<i>Telephone:</i> .....	<i>Fax:</i> .....
<i>Email address:</i> .....	

*(The competent authority shall remove this cover sheet before forwarding the report)*

Report on behalf of a company as:

*(Several choices possible)*

- Consignor
- Loader
- Unloader
- Consignee
- Packer
- Filler
- Carrier
- Tank-container or portable tank operator

DATE AND LOCATION OF OCCURRENCE			
Year...	Month...	Day...	Local Time...
<input type="checkbox"/> Town: <input type="checkbox"/> District: <input type="checkbox"/> Region: <input type="checkbox"/> Country:		<input type="checkbox"/> Geographical coordinates: <input type="checkbox"/> Latitude: <input type="checkbox"/> Longitude:	
NATURE OF OPERATION PERFORMED AT THE TIME OF THE OCCURRENCE :			
<input type="checkbox"/> Carrying moving <input type="checkbox"/> Carrying stationary	<input type="checkbox"/> Shunting <input type="checkbox"/> Marshalling	<input type="checkbox"/> Loading <input type="checkbox"/> Filling	<input type="checkbox"/> Unloading <input type="checkbox"/> Emptying <input type="checkbox"/> Transhipment <input type="checkbox"/> Other (explain):
CONTEXT			
<u>WEATHER CONDITIONS:</u>			
<input type="checkbox"/> Dry	<input type="checkbox"/> Smoke	<input type="checkbox"/> Rain	<input type="checkbox"/> High Winds
<input type="checkbox"/> Heatwave	<input type="checkbox"/> Fog	<input type="checkbox"/> Thunder	<input type="checkbox"/> Unknown
<input type="checkbox"/> Normal Weather Condition	<input type="checkbox"/> Sleet	<input type="checkbox"/> Storm	<input type="checkbox"/> Others (to explain)
<input type="checkbox"/> Hail	<input type="checkbox"/> Snow	<input type="checkbox"/> Lightning	<input type="checkbox"/> Temperature: ...°C
<u>SURFACE CONDITIONS:</u>			
<input type="checkbox"/> Dry surface	<input type="checkbox"/> Frost	<input type="checkbox"/> Sleet	<input type="checkbox"/> Snow
<input type="checkbox"/> Ice	<input type="checkbox"/> Slippery	<input type="checkbox"/> Wet	<input type="checkbox"/> Leaves
<input type="checkbox"/> Damp	<input type="checkbox"/> Flooded	<input type="checkbox"/> Unknown	<input type="checkbox"/> Others (to explain)
<u>LIGHT CONDITIONS</u>			
<input type="checkbox"/> Daylight	<input type="checkbox"/> Twilight Sunrise	<input type="checkbox"/> Street Light Lit	<input type="checkbox"/> Workstation Light Lit
<input type="checkbox"/> Darkness	<input type="checkbox"/> Twilight	<input type="checkbox"/> Street Light Unlit	<input type="checkbox"/> Workstation Light Unlit
INFRASTRUCTURE:			
<u>DESCRIPTION OF THE ROAD:</u>		<input type="checkbox"/> Loading or Unloading Station <input type="checkbox"/> Multimodal Logistical <input type="checkbox"/> Parking On Public Space <input type="checkbox"/> Parking On Private Space <input type="checkbox"/> Parking Road Infrastructure (Name Or Number): ... <input type="checkbox"/> Round-About	
<input type="checkbox"/> Highway : ... <input type="checkbox"/> National Road : ... <input type="checkbox"/> District Road : ... <input type="checkbox"/> Unidirectional Road <input type="checkbox"/> Bidirectional Road <input type="checkbox"/> Bidirectional Road With Separation			
<u>SPECIFIC STRUCTURES:</u>			
<input type="checkbox"/> Tunnel entrance <input type="checkbox"/> Inside the tunnel <input type="checkbox"/> Tunnel exit <input type="checkbox"/> On the tunnel			
<u>TOPOGRAPHICAL:</u>		<input type="checkbox"/> Bridge <input type="checkbox"/> Level crossing <input type="checkbox"/> Gradient (indicate estimate value)	
<input type="checkbox"/> Straight Road <input type="checkbox"/> Curve Road <input type="checkbox"/> S – Curve Road <input type="checkbox"/> Narrow Road			
<u>SURROUNDING AREA</u>		<input type="checkbox"/> Road On Uphill Direction (Indicate Gradient If Known) <input type="checkbox"/> Road In A Downslope Direction (Indicate Gradient If Known)	
<input type="checkbox"/> Rural side <input type="checkbox"/> Urban area			
<input type="checkbox"/> Industrial area <input type="checkbox"/> Unknown			

**VEHICLE AND DANGEROUS GOOD CONTAINED** (indicate the information describing the occurrence according to the descriptions lists (1) to (13))

**IDENTIFICATION OF ROAD VEHICLES INVOLVED IN THE ACCIDENT**

- Total number of transport unit involved :...
  - o Of those, total number of DG transport unit(s) :...
- Total number of transport unit(s) belonging to interested party :...

**Indicate type of transport unit is involved in the occurrence**

- Truck
- Road Tractor With Semi Trailer
- Truck With Trailer
- Light-Duty Vehicle (Less Than 3.5 Tonnes)

Tank Impacted  Yes  No

**DESCRIPTION OF THE TRANSPORT UNIT'S COMPONENT INVOLVED IN THE OCCURRENCE** (reiterate the description for each wagon involved in the occurrence)

**VEHICLE N°: ....**

Type of vehicle <sup>(1)</sup>	Description Of The type of involvement <sup>(2)</sup>	Location Of Fire <sup>(3)</sup>	Crash Type <sup>(4)</sup>	Collision With Vehicule Or Against Fixed Obstacle <sup>(5)</sup>	Collision With Objects Temporarily Present On And Near Track <sup>(6)</sup>

**IDENTIFICATION OF DANGEROUS GOODS TRANSPORTED**

Un Number <sup>(*)</sup>	Class	Packing Group If Known (If Relevant)	Hazard Labels	Estimated Quantity Of Loss Of Products (Kg Or L) <sup>(**)</sup>	Packing Instructions	Tank Code	Means Of Containment <sup>(7)</sup>	Means Of Containment Material <sup>(8)</sup>	Containement Status <sup>(9)</sup>	Dangerous Phenomena <sup>(10)</sup>	Damage Type (Imminent Risk Of Loss Of Product) <sup>(11)</sup>	Leakage <sup>(12)</sup>	Place Of Leakage <sup>(13)</sup>

(\*) For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.

(\*\*) For class 7, indicate values according to the criteria in 1.8.5.3.

**INF.27**

<p><sup>(1)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Tank vehicle</li> <li>2. Battery-vehicle</li> <li>3. Closed vehicle</li> <li>4. Open vehicle</li> <li>5. Sheeted vehicle</li> <li>6. Vehicle for bulk transport</li> </ol> <p><sup>(2)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Submerged in water</li> <li>2. Drop from a height</li> <li>3. Collision (if known, indicate impact speed)</li> <li>4. Lost or displaced loads</li> <li>5. Fire</li> <li>6. Jack-knifing</li> <li>7. Truck in a ditch</li> <li>8. Rolling over outside the road</li> <li>9. Rolling over on the road</li> <li>10. Leaving the road</li> <li>11. Submerged in water</li> <li>12. fallen on railway tracks</li> </ol> <p><sup>(3)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Pressure receptacle</li> <li>2. Trailer</li> <li>3. Tank-trailer</li> <li>4. Semi-trailer</li> <li>5. Tractor cab</li> <li>6. Road tractor</li> <li>7. Tank</li> <li>8. Tyre(s)</li> <li>9. Transport unit</li> </ol>	<p><sup>(4)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Head on collision</li> <li>2. Left front</li> <li>3. Center front</li> <li>4. Right front</li> <li>5. Right side</li> <li>6. Left side</li> <li>7. Right rear</li> <li>8. Center rear</li> <li>9. Left rear</li> </ol> <p><sup>(5)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Bridge pillars</li> <li>2. Obstacles outside clearance gauge</li> <li>3. Overhead contact lines</li> <li>4. Moving track maintenance equipment</li> <li>5. Track maintenance equipment on stationary</li> <li>6. Infrastructure's equipment</li> <li>7. Moving road vehicle</li> <li>8. collision with a train on a level crossing</li> <li>9. collision with a train outside a level crossing</li> <li>10. Stopped road vehicle</li> <li>11. Parked vehicle</li> <li>12. Overhead contact lines</li> <li>13. Other fixed objects</li> </ol> <p><sup>(6)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Animals</li> <li>2. Trees</li> <li>3. Landslides</li> <li>4. Lost loads</li> <li>5. Lost parts of vehicles on track</li> <li>6. Pedestrian</li> </ol>	<ol style="list-style-type: none"> <li>7. Rocks</li> <li>8. Other (to explain)</li> </ol> <p><sup>(7)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Packaging</li> <li>2. Large packaging</li> <li>3. Intermediate packaging container (IBC)</li> <li>4. Pressure receptacle</li> <li>5. Pressure drum</li> <li>6. BK 1</li> <li>7. BK 2</li> <li>8. BK 3</li> <li>9. VC1</li> <li>10. VC2</li> <li>11. VC3</li> <li>12. Vacuum-operated waste tanks</li> <li>13. MGEC</li> <li>14. Fixed tank</li> <li>15. Portable tank</li> <li>16. Demountable tank</li> <li>17. Tank container</li> <li>18. Tank compartments</li> </ol> <p><sup>(8)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Steel</li> <li>2. Aluminium</li> <li>3. Wood</li> <li>4. Fibreboard</li> <li>5. Plywood</li> <li>6. Plastic film</li> <li>7. Metal</li> </ol>	<ol style="list-style-type: none"> <li>8. Paper</li> <li>9. Plastic</li> <li>10. Textile</li> <li>11. Glass</li> </ol> <p><sup>(9)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Filled</li> <li>2. Empty and not cleaned</li> <li>3. Empty and not gas free</li> <li>4. Empty and cleaned</li> <li>5. Empty and gas-free</li> </ol> <p><sup>(10)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Absence of dangerous phenomena</li> <li>2. Jet fire</li> <li>3. Vapour cloud explosion</li> <li>4. Explosion without fire</li> <li>5. Fire</li> <li>6. Flames</li> <li>7. Jet fire</li> <li>8. Gas cloud fire</li> <li>9. Toxic vapour cloud</li> <li>10. Blevé</li> <li>11. Over pressurized inside the tank / packaging</li> <li>12. Other (explain):</li> </ol> <p><sup>(11)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Bent</li> <li>2. Gouged</li> <li>3. Cut</li> <li>4. Ripped or torn</li> <li>5. Torn off</li> <li>6. Damaged</li> <li>7. Vented</li> <li>8. Dropped</li> <li>9. None</li> </ol>	<p><sup>(12)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Small release</li> <li>2. Limited release</li> <li>3. Continuous release</li> <li>4. Full release</li> <li>5. None</li> </ol> <p><sup>(13)</sup> <u>Indicate the appropriate number</u></p> <ol style="list-style-type: none"> <li>1. Cylinder valve</li> <li>2. Flange</li> <li>3. Gauging device</li> <li>4. Hose coupling</li> <li>5. Inlet valve</li> <li>6. Inner packaging</li> <li>7. Inner receptacle</li> <li>8. Loading/unloading lines</li> <li>9. Piping or fittings</li> <li>10. Bottom valve</li> <li>11. Pressure relief valve</li> <li>12. Tank shell</li> <li>13. Vacuum relief valve</li> <li>14. Vent</li> <li>15. Weld or seam</li> <li>16. Bursting disk</li> <li>17. Body</li> <li>18. Bottom</li> <li>19. Lid</li> <li>20. None</li> <li>21. Other (to explain)</li> </ol>
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DEEMED CAUSES OF OCCURRENCE	
<p><u>EXTERNAL CAUSES:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Rock or stone fall</li> <li><input type="checkbox"/> Slippery road</li> <li><input type="checkbox"/> Recreational traffic</li> <li><input type="checkbox"/> Landslide</li> <li><input type="checkbox"/> Earthquake</li> <li><input type="checkbox"/> Vegetation</li> <li><input type="checkbox"/> Fog</li> <li><input type="checkbox"/> Flood</li> <li><input type="checkbox"/> Frost</li> <li><input type="checkbox"/> Ice</li> <li><input type="checkbox"/> High winds</li> <li><input type="checkbox"/> Storm</li> <li><input type="checkbox"/> Snow</li> <li><input type="checkbox"/> Heat</li> <li><input type="checkbox"/> Drought</li> <li><input type="checkbox"/> Heatwave</li> <li><input type="checkbox"/> Other (to explain)</li> </ul> <p><u>HUMAN CAUSES:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Deliberate action</li> <li><input type="checkbox"/> Carelessness driving</li> <li><input type="checkbox"/> Alcohol effect</li> <li><input type="checkbox"/> Effect of narcotic drugs</li> <li><input type="checkbox"/> Inadequate training</li> <li><input type="checkbox"/> Inattention</li> <li><input type="checkbox"/> Lack of experience</li> <li><input type="checkbox"/> Non-compliance with procedures</li> <li><input type="checkbox"/> Loss of control</li> <li><input type="checkbox"/> Medical treatment</li> <li><input type="checkbox"/> Medical emergency</li> <li><input type="checkbox"/> Excessive speed (indicate speed if known)</li> <li><input type="checkbox"/> Authorized speed limit:</li> <li><input type="checkbox"/> Sleepiness</li> <li><input type="checkbox"/> Unauthorized employees on the track</li> <li><input type="checkbox"/> Tiredness</li> <li><input type="checkbox"/> Communication or language problem</li> <li><input type="checkbox"/> Other (to explain)</li> </ul>	<p><u>RELATED TO DG CARRIED:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Incompatible products</li> <li><input type="checkbox"/> Incompatible material of the containment with the product carried</li> <li><input type="checkbox"/> Self-ignition</li> <li><input type="checkbox"/> Polymerization</li> </ul> <p><u>FAULTY LOAD SECURING:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Improper securing arrangement</li> <li><input type="checkbox"/> Inadequate blocking and bracing</li> <li><input type="checkbox"/> Other loading default</li> </ul> <p><u>RELATED TO PROCEDURE:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Improper preparation for transport</li> <li><input type="checkbox"/> Inadequate maintenance</li> <li><input type="checkbox"/> Inadequate procedures</li> <li><input type="checkbox"/> Overfilled</li> <li><input type="checkbox"/> Over pressurized</li> <li><input type="checkbox"/> Valve open</li> <li><input type="checkbox"/> Sudden braking</li> <li><input type="checkbox"/></li> </ul> <p><u>TECHNICAL FAILURE VEHICLE:</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Electrical system failure</li> <li><input type="checkbox"/> Mechanical system failure</li> <li><input type="checkbox"/> Broken component or device</li> <li><input type="checkbox"/> Defective component or device</li> <li><input type="checkbox"/> Missing component or device</li> <li><input type="checkbox"/> Abrasion</li> <li><input type="checkbox"/> Exterior corrosion</li> <li><input type="checkbox"/> Interior corrosion</li> <li><input type="checkbox"/> Damaged lining</li> <li><input type="checkbox"/> Coupling failure</li> <li><input type="checkbox"/> Engine failure</li> <li><input type="checkbox"/> Braking system failure</li> <li><input type="checkbox"/> Defective train</li> <li><input type="checkbox"/> Axle failure</li> <li><input type="checkbox"/> Tyre</li> <li><input type="checkbox"/> Other (to explain)</li> </ul>

<b>CONSEQUENCES</b>			
<b><u>DEATH AND INJURY IN DANGEROUS GOODS COMPANY PERSONAL</u></b>			
<input type="checkbox"/> Total number of injured: ... <input type="checkbox"/> Of Those Total Number Of Injured Caused By Dangerous Good: ...			
<input type="checkbox"/> Serious Injury (Abbreviated Injury Scale >3): ...	<input type="checkbox"/> Minor Injury (Abbreviated Injury Scale<3): ...	<input type="checkbox"/> Not Known	
Nature of injury			
<input type="checkbox"/> Traumatic: ...	<input type="checkbox"/> Chemical Burn: ...	<input type="checkbox"/> Intoxicated: ...	
<input type="checkbox"/> Radiation: ...	<input type="checkbox"/> Thermal Burns: ...	<input type="checkbox"/>	
Days Of Hospitalization (If Known): ...			
<input type="checkbox"/> Total number of death: ... <input type="checkbox"/> Of Those, Death Number Caused By Dangerous Good: ...			
<b><u>DEATH AND INJURY THIRD PARTY AND PUBLIC:</u></b>			
<input type="checkbox"/> Total number of injured: ... <input type="checkbox"/> Of Those Total Number Of Injured Caused By Dangerous Good: ...			
<input type="checkbox"/> Serious Injury (Abbreviated Injury Scale >3): ...	<input type="checkbox"/> Minor Injury (Abbreviated Injury Scale<3): ...	<input type="checkbox"/> Not Known	
Nature of injury			
<input type="checkbox"/> Traumatic: ...	<input type="checkbox"/> Chemical Burn: ...	<input type="checkbox"/> Intoxicated: ...	
<input type="checkbox"/> Radiation: ...	<input type="checkbox"/> Thermal Burns: ...	<input type="checkbox"/>	
Days Of Hospitalization (If Known): ...			
<input type="checkbox"/> Total number of death: ... <input type="checkbox"/> Of Those, Death Number Caused By Dangerous Good: ...			
<b><u>MATERIAL AND ENVIRONMENT DAMAGES:</u></b>			
<input type="checkbox"/> Pollution			
<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Soil	
<input type="checkbox"/> Estimated total quantity of financial loss (euro): ...			
<b><u>INVOLVEMENT OF AUTHORITIES:</u></b>			
<input type="checkbox"/> Involvement Of Authorities:			
<input type="checkbox"/> No	<input type="checkbox"/> Yes (to precise authority): ...		
<input type="checkbox"/> Evacuation of personnes for a duration of at least 3 hours caused by the dangerous goods involved			
<input type="checkbox"/> No	<input type="checkbox"/> Yes		
<input type="checkbox"/> Closure of public traffic routes for a duration of at least 3 hours			
<input type="checkbox"/> No	<input type="checkbox"/> Yes (to precise closure duration if known)		

<b><u>ADDITIONNAL DESCRIPTION:</u></b>



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**REPORT ON OCCURRENCES DURING THE CARRIAGE OF DANGEROUS GOODS IN  
ACCORDANCE WITH ADN SECTION 1.8.5**

Date of the report:

<i>Company:</i> .....	
<i>Address:</i> .....	
<i>Contact name:</i> .....	
<i>Telephone:</i> .....	<i>Fax:</i> .....
<i>Email address:</i> .....	
<i>Official number (ENI) of the vessel</i> .....	

*(The competent authority shall remove this cover sheet before forwarding the report)*

Report on behalf of a company as:

*(Several choices possible)*

- Consignor
- Loader
- Unloader
- Consignee
- Packer
- Filler
- Carrier
- Tank-container or portable tank operator
- Reception facility operator
- Waterway infrastructure manager

DATE AND LOCATION OF OCCURRENCE			
Year...	Month...	Day...	Local Time...
<input type="checkbox"/> Port <input type="checkbox"/> Inland waterway (name): <input type="checkbox"/> Free sector (name): <input type="checkbox"/> Km point: <input type="checkbox"/> Country		<input type="checkbox"/> Geographical coordinates: <input type="checkbox"/> Latitude: <input type="checkbox"/> Longitude:	
NATURE OF OPERATION PERFORMED AT THE TIME OF THE OCCURRENCE :			
<input type="checkbox"/> Anchored	<input type="checkbox"/> Berthed	<input type="checkbox"/> Degassing	
<input type="checkbox"/> Emptying	<input type="checkbox"/> Filling	<input type="checkbox"/> Loading	
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Repairs	<input type="checkbox"/> Shifting	
<input type="checkbox"/> Transport	<input type="checkbox"/> Unloading	<input type="checkbox"/> Others (to explain)	
CONTEXT			
<u>WEATHER CONDITIONS:</u>			
<input type="checkbox"/> Dryness	<input type="checkbox"/> Fog	<input type="checkbox"/> Hail	
<input type="checkbox"/> Heatwave	<input type="checkbox"/> High winds	<input type="checkbox"/> Lightning	
<input type="checkbox"/> Normal weather condition	<input type="checkbox"/> Rain	<input type="checkbox"/> Sleet	
<input type="checkbox"/> Smoke	<input type="checkbox"/> Snow	<input type="checkbox"/> Storm	
<input type="checkbox"/> Thunder	<input type="checkbox"/> Unknown	<input type="checkbox"/> Other (to precise)	
<input type="checkbox"/> Temperature: ...°C			
<u>CONDITIONS OF INLAND WATERWAY</u>			
<input type="checkbox"/> High water	<input type="checkbox"/> Low water		
<input type="checkbox"/> Flood	<input type="checkbox"/> Ice condition		
<input type="checkbox"/> Water level: ...	<input type="checkbox"/> Estimated speed through water: ...		
<u>LIGHT CONDITIONS</u>			
<input type="checkbox"/> Daylight	<input type="checkbox"/> Twilight	<input type="checkbox"/> Twilight sunrise	
<input type="checkbox"/> Darkness	<input type="checkbox"/> Artificial light lit	<input type="checkbox"/> Artificial light unlit	
INFRASTRUCTURE:			
<u>INFRASTRUCTURE:</u>			
<input type="checkbox"/> Aqueduct	<input type="checkbox"/> Dam	<input type="checkbox"/> Lift	<input type="checkbox"/> Lock
<input type="checkbox"/> Navigation channel	<input type="checkbox"/> Fixed bridge	<input type="checkbox"/> Movable bridge	<input type="checkbox"/> Tunnel
<input type="checkbox"/> Others (to explain)			
<u>WATERWAY SEGMENT/ENVIRONMENT:</u>			
<input type="checkbox"/> Rural side	<input type="checkbox"/> Urban area	<input type="checkbox"/> Industrial area	<input type="checkbox"/> CEMT class :...

<b>VESSEL / CONTAINER AND DANGEROUS GOOD CONTAINED</b> (indicate the information describing the occurrence according the descriptions lists (1) to (13))													
<b><u>VESSEL / CONTAINERS INVOLVED IDENTIFICATION</u></b>													
<input type="checkbox"/> Total number of vessels or containers involved <input type="checkbox"/> of those, total number of DG vessels or containers													
<b><u>DESCRIPTION OF THE VESSEL / CONTAINERS INVOLVED IN THE OCCURRENCE</u></b> (reiterate the description for each wagon involved in the occurrence)													
<b><u>VESSEL N°...</u></b>													
<u>Type of vessel/container</u> <sup>(1)</sup>				<u>Description of the type of involvement</u> <sup>(2)</sup>				<u>Crash type</u> <sup>(3)</sup>			<u>Crash spot</u> <sup>(4)</sup>		
<b><u>DANGEROUS GOODS TRANSPORTED IN THE VESSEL/CONTAINER</u></b>													
<u>Un Number</u> <sup>(*)</sup>	<u>Class</u>	<u>Packing Group If Known (If Relevant)</u>	<u>Hazard Labels</u>	<u>Estimated Quantity Of Loss Of Products (Kg Or L)</u> <sup>(**)</sup>	<u>Packing Instructions</u>	<u>Tank Code</u>	<u>Means Of Containment</u> <sup>(5)</sup>	<u>Means Of Containment Material</u> <sup>(6)</sup>	<u>Containement Status</u> <sup>(7)</sup>	<u>Dangerous Phenomena</u> <sup>(8)</sup>	<u>Damage Type (Imminent Risk Of Loss Of Product)</u> <sup>(9)</sup>	<u>Leakage</u> <sup>(10)</sup>	<u>Place Of Leakage</u> <sup>(11)</sup>
<sup>(*)</sup> A indiquer le nom technique dans le cas des marchandises relevant d'une rubrique collective à laquelle s'applique la disposition spéciale 274 <i>For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.</i>							<sup>(**)</sup> Pour la classe 7, à préciser les valeurs selon les dispositions du 1.8.5.3. <i>For class 7, indicate values according to the criteria in 1.8.5.3.</i>						

**INF.27**

<p><i>(1) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Dry cargo vessel</li> <li>2. Tank vessel</li> <li>3. Single vessel</li> <li>4. Pusher tug</li> <li>5. Barge</li> <li>6. Supply vessel</li> <li>7. Vessel for the carriage of liquids</li> </ol> <p><i>(2) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Drop in the water</li> <li>2. Drop from a height</li> <li>3. Collision (if known, indicate impact speed)</li> <li>4. Lost or displaced loads</li> <li>5. Fire</li> <li>6. Capsizing</li> <li>7. Leak</li> <li>8. Shipwreck</li> <li>9. Location and extent of damage (with additional description)</li> <li>10. Other (to explain)</li> </ol> <p><i>(3) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Collision with bank, structure or berthing installation</li> <li>2. Collision with another cargo vessel (collision or impact)</li> <li>3. Collision with passenger vessel</li> <li>4. Contact with the waterway bed whether or not grounding</li> <li>5. Other (to explain)</li> </ol>	<p><i>(4) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Head on collision</li> <li>2. Left front</li> <li>3. Center front</li> <li>4. Right front</li> <li>5. Right side</li> <li>6. Left side</li> <li>7. Right rear</li> <li>8. Center rear</li> <li>9. Left rear</li> </ol> <p><i>(5) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Packaging</li> <li>2. Large packaging</li> <li>3. Intermediate packaging container (IBC)</li> <li>4. Pressure receptacle</li> <li>5. Pressure drum</li> <li>6. BK 1</li> <li>7. BK 2</li> <li>8. BK 3</li> <li>9. VC1</li> <li>10. VC2</li> <li>11. VC3</li> <li>12. Small container</li> <li>13. Wagon</li> <li>14. Vehicle</li> <li>15. Tank wagon</li> <li>16. Tank vehicle</li> <li>17. Battery wagon</li> <li>18. Battery vehicle</li> <li>19. Wagon with demountable tanks</li> <li>20. Demountable tank</li> <li>21. Large container</li> <li>22. Tank container</li> <li>23. MEGC</li> </ol>	<ol style="list-style-type: none"> <li>24. Portable tank</li> <li>25. Dry cargo vessel (single hull, double-hull)</li> <li>26. Tank vessel</li> </ol> <p><i>(6) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Steel</li> <li>2. Aluminium</li> <li>3. Wood</li> <li>4. Fibreboard</li> <li>5. Plywood</li> <li>6. Plastic film</li> <li>7. Metal</li> <li>8. Paper</li> <li>9. Plastic</li> <li>10. Textile</li> <li>11. Glass</li> </ol> <p><i>(7) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Filled</li> <li>2. Empty and not cleaned</li> <li>3. Empty and not gas free</li> <li>4. Empty and cleaned</li> <li>5. Empty and gas-free</li> </ol> <p><i>(8) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Absence of dangerous phenomena</li> <li>2. Fireball</li> <li>3. Vapour cloud explosion</li> <li>4. Explosion without fire</li> <li>5. Fire</li> <li>6. Flames</li> <li>7. Jet fire</li> <li>8. Gas cloud fire</li> <li>9. Toxic vapour cloud</li> <li>10. Bleve</li> <li>11. Over pressurized inside the tank / packaging</li> <li>12. None</li> <li>13. Other (to explain)</li> </ol>	<p><i>(9) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Distorted</li> <li>2. Bent</li> <li>3. Folded</li> <li>4. Gouged</li> <li>5. Cut</li> <li>6. Ripped or torn</li> <li>7. Torn off</li> <li>8. Damaged</li> <li>9. Vented</li> <li>10. Dropped</li> <li>11. None</li> </ol> <p><i>(10) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Small release</li> <li>2. Limited release</li> <li>3. Continuous release</li> <li>4. Full release</li> <li>5. None</li> </ol> <p><i>(11) Indicate the appropriate number</i></p> <ol style="list-style-type: none"> <li>1. Cylinder valve</li> <li>2. Flange</li> <li>3. Gauging device</li> <li>4. Hose coupling</li> <li>5. Inlet valve</li> <li>6. Inner packaging</li> <li>7. Inner receptacle</li> <li>8. Loading/unloading lines</li> <li>9. Piping or fittings</li> <li>10. Bottom valve</li> <li>11. Pressure relief valve</li> <li>12. Tank shell</li> <li>13. Vacuum relief valve</li> <li>14. Vent</li> <li>15. Weld or seam</li> <li>16. Bursting disk</li> <li>17. Body</li> <li>18. Bottom</li> <li>19. Lid</li> <li>20. None</li> <li>21. Other (to explain)</li> </ol>
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**CAUSES OF OCCURRENCE**EXTERNAL CAUSES:

- Recreational traffic
- Fog
- Flood
- Frost
- Ice
- High winds
- Storm
- Snow
- Heat
- Drought
- Heatwave
- Other(explain):

HUMAN CAUSES:

- Deliberate action
- Carelessness driving
- Alcohol effect
- Effect of narcotic drugs
- Inadequate training
- Inattention
- Lack of experience
- Non-compliance with procedures
- Loss of control
- Medical treatment
- Medical emergency
- Excessive speed (indicate speed if known)
- Authorized speed limit:
- Unauthorized persons on the track
- Suicide
- Sleepiness
- Unauthorized employees on the track
- Tiredness
- Communication or language problem
- Other (to explain)

RELATED TO DG CARRIED:

- Incompatible products
- Incompatible material of the containment with the product car
- Self-ignition
- Polymerization

FAULTY LOAD SECURING:

- Improper securing arrangement
- Inadequate blocking and bracing
- Other loading default

RELATED TO PROCEDURE:

- Incompatible products
- Incompatible material of the containment with the product car
- Self-ignition
- Polymerization

TECHNICAL FAILURE ON VEHICLE:

- Electrical system failure
- Mechanical system failure
- Broken component or device
- Defective component or device
- Missing component or device
- Abrasion
- Exterior corrosion
- Interior corrosion
- Damaged lining
- Coupling failure
- Engine failure
- Steering installation failure
- Other (to explain)

<b>CONSEQUENCES</b>		
<b><u>DEATH AND INJURY IN DANGEROUS GOODS COMPANY PERSONAL</u></b>		
<input type="checkbox"/> Total number of injured: ...		
<input type="checkbox"/> Of Those Total Number Of Injured Caused By Dangerous Good: ...		
<input type="checkbox"/> Serious Injury (Abbreviated Injury Scale >3): ...	<input type="checkbox"/> Minor Injury (Abbreviated Injury Scale<3): ...	<input type="checkbox"/> Not Known
<b><u>Nature of injury</u></b>		
<input type="checkbox"/> Traumatic: ...	<input type="checkbox"/> Chemical Burn: ...	<input type="checkbox"/> Intoxicated: ...
<input type="checkbox"/> Radiation: ...	<input type="checkbox"/> Thermal Burns: ...	<input type="checkbox"/> Drowned:...
Days Of Hospitalization (If Known): ...		
<input type="checkbox"/> Total number of death: ...		
<input type="checkbox"/> Of Those, Death Number Caused By Dangerous Good: ...		
<b><u>DEATH AND INJURY THIRD PARTY AND PUBLIC:</u></b>		
<input type="checkbox"/> Total number of injured: ...		
<input type="checkbox"/> Of Those Total Number Of Injured Caused By Dangerous Good: ...		
<input type="checkbox"/> Serious Injury (Abbreviated Injury Scale >3): ...	<input type="checkbox"/> Minor Injury (Abbreviated Injury Scale<3): ...	<input type="checkbox"/> Not Known
<b><u>Nature of injury</u></b>		
<input type="checkbox"/> Traumatic: ...	<input type="checkbox"/> Chemical Burn: ...	<input type="checkbox"/> Intoxicated: ...
<input type="checkbox"/> Radiation: ...	<input type="checkbox"/> Thermal Burns: ...	<input type="checkbox"/> Drowned:....
Days Of Hospitalization (If Known): ...		
<input type="checkbox"/> Total number of death: ...		
<input type="checkbox"/> Of Those, Death Number Caused By Dangerous Good: ...		
<b><u>MATERIAL AND ENVIRONMENT DAMAGES:</u></b>		
<input type="checkbox"/> Pollution		
<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Soil
<input type="checkbox"/> Estimated total quantity of financial loss (euro): ...		
<b><u>INVOLVEMENT OF AUTHORITIES:</u></b>		
<input type="checkbox"/> Involvement Of Authorities:		
<input type="checkbox"/> No	<input type="checkbox"/> Yes (to precise authority): ...	
<input type="checkbox"/> Evacuation of personnes for a duration of at least 3 hours caused by the dangerous goods involved		
<input type="checkbox"/> No	<input type="checkbox"/> Yes	
<input type="checkbox"/> Closure of public traffic routes for a duration of at least 3 hours		
<input type="checkbox"/> No	<input type="checkbox"/> Yes (to precise closure duration if known)	
<b><u>ADDITIONNAL DESCRIPTION:</u></b>		
.....		

