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**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Dangerous Goods****101st session**

Geneva, 8–11 November 2016

Item 9 of the provisional agenda

**Any other business****Rear protection of vehicles – 9.7.6 ADR****Transmitted by the Government of Germany<sup>1</sup>***Summary*

**Executive summary:** The German delegation wants to provide notifications of occurrences involving dangerous goods and especially with regard to rear protection of vehicles – 9.7.6 ADR

In the ninety-fourth and ninety-fifth sessions, the German delegation presented a research report prepared by the German Federal Institute for materials Research and Testing (BAM) on the design of the rear protection in accordance with section 9.7.6 of ADR, as well as answers to the discussed conclusions of the research findings.

**Action to be taken:** Acknowledgement, discussion, proposal for future action

**Reference document:** ECE/TRANS/WP.15/2013/12; Informal document INF.20 presented at the ninety-fourth session (Germany)  
ECE/TRANS/WP.15/219, paragraphs 25 to 27; Informal document INF.5 presented at the ninety-fifth session (Germany).

1. Two reports of occurrences involving dangerous goods and especially with regard to rear protection of vehicles – 9.7.6 ADR as amended are presented in Annexes I and II. These occurrences happened in 2015 in Germany.
2. A corresponding press report is also available as informal document INF.4.

<sup>1</sup> In accordance with the programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/2016/28/Add.1 (9.1)).

**Annex I****Notification of occurrence involving dangerous goods (ID38)**

<b>1. Mode</b>	
<input type="checkbox"/> Rail Wagon number (optional) .....	<input checked="" type="checkbox"/> Road Vehicle registration (optional) .....
<b>2. Date and location of occurrence</b>	
Year: ...2015..... Month: ...June..... Day: ...2..... Time: 22:27 hrs.....	
<u>Rail</u> <input type="checkbox"/> Station <input type="checkbox"/> Shunting/marshalling yard <input type="checkbox"/> Loading/unloading/transshipment site Location / Country: ..... or <input type="checkbox"/> Open line: Description of line: ..... Kilometres: .....	<u>Road</u> <input type="checkbox"/> Built-up area <input type="checkbox"/> Loading/unloading/transshipment site <input checked="" type="checkbox"/> Open road Location / Country: ... Federal motorway A 9 (direction of Munich, Dittersdorf area, Km 217.....
<b>3. Topography</b>	
<input type="checkbox"/> Gradient/incline <input type="checkbox"/> Tunnel <input type="checkbox"/> Bridge/Underpass <input type="checkbox"/> Crossing	
<b>4. Particular weather conditions</b>	
<input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Ice <input type="checkbox"/> Fog <input type="checkbox"/> Thunderstorm <input type="checkbox"/> Storm Temperature: ..... °C	



6. Dangerous goods involved						
UN Number <sup>(1)</sup>	Class	Packing Group	Estimated quantity of loss of products (kg or l) <sup>(2)</sup>	Means of containment <sup>(3)</sup>	Means of containment material	Type of failure of means of containment <sup>(4)</sup>
1073	2		24,000 kg	8		
<sup>(1)</sup> For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.			<sup>(2)</sup> For Class 7, indicate values according to the criteria in 1.8.5.3.			
<sup>(3)</sup> Indicate the appropriate number 1 Packaging 2 IBC 3 Large packaging 4 Small container 5 Wagon 6 Vehicle 7 Tank-wagon 8 Tank-vehicle 9 Battery-wagon 10 Battery-vehicle 11 Wagon with demountable tanks 12 Demountable tank 13 Large container 14 Tank-container 15 MEGC 16 Portable tank			<sup>(4)</sup> Indicate the appropriate number 1 Loss 2 Fire 3 Explosion 4 Structural failure			
7. Cause of occurrence (if clearly known)						
<input type="checkbox"/> Technical fault <input type="checkbox"/> Faulty load securing <input type="checkbox"/> Operational cause (rail operation) <input checked="" type="checkbox"/> Other: ..... ..... .....						

<b>8. Consequences of occurrence</b>	
<u>Personal injury in connection with the dangerous goods involved:</u>	
<input type="checkbox"/>	Deaths (number: .....)
<input checked="" type="checkbox"/>	Injured (number: ....2..) due to dangerous goods: 0 injured persons
<u>Loss of product:</u>	
<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No
<input type="checkbox"/>	Imminent risk of loss of product
<u>Material/Environmental damage:</u>	
<input type="checkbox"/>	Estimated level of damage $\leq$ 50,000 Euros
<input checked="" type="checkbox"/>	Estimated level of damage $>$ 50,000 Euros
<u>Involvement of authorities:</u>	
<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No
<input type="checkbox"/>	Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved
<input checked="" type="checkbox"/>	Closure of public traffic routes for a duration of at least three hours caused by the dangerous goods involved

If necessary, the competent authority may request further relevant information.

## Annex II

## Notification of occurrence involving dangerous goods (ID66)

1. Mode	
<input type="checkbox"/> Rail Wagon number (optional) .....	<input checked="" type="checkbox"/> Road Vehicle registration (optional) .....
2. Date and location of occurrence	
Year: ...2015..... Month: ...June..... Day: ...2..... Time: 22:27 hrs.....	
<u>Rail</u> <input type="checkbox"/> Station <input type="checkbox"/> Shunting/marshalling yard <input type="checkbox"/> Loading/unloading/transshipment site Location / Country: ..... or <input type="checkbox"/> Open line: Description of line: ..... Kilometres: .....	<u>Road</u> <input type="checkbox"/> Built-up area <input type="checkbox"/> Loading/unloading/transshipment site <input checked="" type="checkbox"/> Open road Location / Country: ... Federal motorway A 9 (direction of Munich, Dittersdorf area, Km 217.....
3. Topography	
<input type="checkbox"/> Gradient/incline <input type="checkbox"/> Tunnel <input type="checkbox"/> Bridge/Underpass <input type="checkbox"/> Crossing	
4. Particular weather conditions	
<input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Ice <input type="checkbox"/> Fog <input type="checkbox"/> Thunderstorm <input type="checkbox"/> Storm Temperature: ..... °C	



6. Dangerous goods involved						
UN Number <sup>(1)</sup>	Class	Packing Group	Estimated quantity of loss of products (kg or l) <sup>(2)</sup>	Means of containment <sup>(3)</sup>	Means of containment material	Type of failure of means of containment <sup>(4)</sup>
1073	2		24,000 kg	8		
<sup>(1)</sup> For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.			<sup>(2)</sup> For Class 7, indicate values according to the criteria in 1.8.5.3.			
<sup>(3)</sup> Indicate the appropriate number 1 Packaging 2 IBC 3 Large packaging 4 Small container 5 Wagon 6 Vehicle 7 Tank-wagon 8 Tank-vehicle 9 Battery-wagon 10 Battery-vehicle 11 Wagon with demountable tanks 12 Demountable tank 13 Large container 14 Tank-container 15 MEGC 16 Portable tank			<sup>(4)</sup> Indicate the appropriate number 1 Loss 2 Fire 3 Explosion 4 Structural failure			
7. Cause of occurrence (if clearly known)						
<input type="checkbox"/> Technical fault <input type="checkbox"/> Faulty load securing <input type="checkbox"/> Operational cause (rail operation) <input checked="" type="checkbox"/> Other: ..... ..... .....						
8. Consequences of occurrence						



Personal injury in connection with the dangerous goods involved:

- Deaths (number: .....)
- Injured (number: ....2..) due to dangerous goods: 0 injured persons

Loss of product:

- Yes
- No
- Imminent risk of loss of product

Material/Environmental damage:

- Estimated level of damage  $\leq$  50,000 Euros
- Estimated level of damage  $>$  50,000 Euros

Involvement of authorities:

- Yes
  - Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved
  - Closure of public traffic routes for a duration of at least three hours caused by the dangerous goods involved
- No

If necessary, the competent authority may request further relevant information.

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