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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

Working Party on the Transport of Dangerous Goods

Eighty-first session  
Geneva, 25-27 October 2006  
Agenda item 4

**PROPOSALS FOR AMENDMENTS TO ANNEXES A AND B OF ADR**

**Section 5.3.2 Orange-coloured plate marking**

**Amendment to 5.3.2.2.1**

**Submitted by the Government of France**

**SUMMARY**

|                            |  |
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| <i>Executive summary:</i>  | If the size and construction of a vehicle are such that the available surface area is insufficient to affix the orange-coloured plates having a base of 40 cm and a height of 30 cm, their dimensions may be reduced to 300 mm for the base and 120 mm for the height, in accordance with ADR section 5.3.2.2.1. If such plates are to bear the numbers stipulated in 5.3.2.1.4, only the UN number shall be required. |
| <i>Action to be taken:</i> | Supplement existing paragraph 5.3.2.2.1.   |

## Introduction

1. ADR stipulates that transport units and containers carrying packaged radioactive material with a single UN number under exclusive use (and no other dangerous goods) shall display orange plates bearing the hazard identification number and UN number prescribed.
2. As a reminder, the following class 7 consignments must be declared under exclusive use:
  - Package or overpack whose transport index is over 10;
  - Package or overpack whose criticality safety index is over 50;
  - Package or overpack whose radiation levels on a point on the external surface exceeds 2 mSv/h;
  - LSA-I materials and SCO-I objects carried unpackaged (bulk);
  - LSA-I liquid materials carried in type IP-1 packages;
  - LSA-II liquid or gas materials carried in type IP-2 packages;
  - LSA-III materials carried in type IP-2 packages;
  - Type B(U), B(M) or C packages with temperatures of accessible surfaces exceeding 50° C when the package is exposed to an ambient temperature of +38° C in the shade;
  - Container or vehicle whose sum of transport indexes is over 50;
  - Container or vehicle whose sum of criticality safety indexes is over 50.
3. If the size and construction of a vehicle are such that the available surface area is insufficient to affix the orange-coloured plates having a base of 40 cm and a height of 30 cm, their dimensions may be reduced to 300 mm for the base and 120 mm for the height, in accordance with ADR section 5.3.2.2.1. Because of the dimensions, in such cases it is not possible at the same time to bear the UN number and the hazard identification number. In the event of an emergency (for example in an accident), it is preferable for the UN number to be known quickly so as to identify the material or the type of package and thus adapt the necessary intervention measures. Since the hazard identification number is known through the 7D plates, the UN number should be given priority on the small orange plates.

**Proposal**

5.3.2.2.1 Add, following the first paragraph (before the note):

“If such plates are to bear the numbers stipulated in 5.3.2.1.4, only the UN number shall be required, and the size of the digits stipulated in 5.3.2.2.2 shall be reduced to 65 mm in height and 10 mm in stroke thickness.”

Impact on safety

There is no impact on safety.

Feasibility

Facilitates application of the rules.

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