



**Economic and Social  
Council**

Distr.  
GENERAL

ECE/TRANS/WP.15/2008/7  
12 February 2008

ENGLISH  
Original: FRENCH

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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

Working Party on the Transport of Dangerous Goods

Eighty-fourth session  
Geneva, 5-9 May 2008  
Item 5 of the provisional agenda

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

**Electrical connections under 9.2.2.6.3**

**Transmitted by the Government of France\***

**SUMMARY**

<b><i>Executive summary:</i></b>	This proposal is aimed at specifying the plugs acceptable on EX/III and FL vehicles covered by the requirements of 9.2.2.6.3.
<b><i>Action to be taken:</i></b>	Amend 9.2.2.6.3.
<b><i>Related documents:</i></b>	ECE/TRANS/WP.15/194, paras. 58 and 59, and INF.15 from the last session.

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\* The present document is submitted in accordance with paragraph 1 (c) of the terms of reference of the Working Party, as contained in document ECE/TRANS/WP.15/190/Add.1, which provides a mandate to “develop and update the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)”.

## Introduction

1. ADR section 9.2.2.6.3 stipulates that “Electrical connections between motor vehicles and trailers shall have a protection degree IP54 in accordance with IEC standard 529 and be designed to prevent accidental disconnection. Examples of appropriate connections are given in ISO 12 098:1994 and ISO 7638:1985.”
2. At the most recent session of WP.15, in November 2007, a brief discussion was held on the issue of whether ISO 3731 (24S) and ISO 1185 (24N) plugs met the requirements of 9.2.2.6.3 and could be used for vehicles carrying dangerous goods.
3. Some delegations considered that such plugs offered less protection against accidental disconnection than ISO 12098 and ISO 7638 plugs, for example.
4. The objective of the amendment to 9.2.2.6.3 proposed below is to clarify the requirement for the prevention of accidental disconnection hazards, and to discontinue the use of ISO 3731 and ISO 1185 electrical connections.

## Proposal

5. In 9.2.2.6.3, *Electrical connections*, replace the last sentence with the following:

“Connections shall be in conformity with ISO 12098:1994 or ISO 7638:1985”.

## Justification

Safety: Improves safety.

Feasibility: No problem.

Enforcement: This clarification makes it possible to avoid problems of enforcement of the ADR requirements for electrical connections.

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