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**COMMITTEE OF EXPERTS ON THE
TRANSPORT OF DANGEROUS GOODS**

**Sub-Committee of Experts on the
Transport of Dangerous Goods**

(Seventeenth session,
Geneva, 6-17 December 1999,
agenda item 5 (i))

**MISCELLANEOUS DRAFT AMENDMENTS TO THE MODEL REGULATIONS
ON THE TRANSPORT OF DANGEROUS GOODS**

Specimen labels concerning LPG cylinders and LPG gas containers

Transmitted by the European Liquefied Petroleum Gas Association (AEGPL)

1. Introduction

The flammable gas danger warning sign for LPG cylinders and gas cartridges (UN No. 1011, 1965, 1978, 2037) is described in Chapter 5 of the UN Recommendations with illustrations in marginal 5.2.2.2.2.1.

This is a red diamond with black or white flame, figure 2, and border line.

The industry experience is that the best solution for a durable type of application is stencilling with paint. However, it is only practicable to stencil in one colour (accurate alignment of two colours can only be achieved with sophisticated machinery which is expensive).

Industry experience is that the alternative of adhesive labels is not the best solution to fulfil clauses 5.2.1.2 b and 5.2.2.2.1.8.

They became illegible but the remnants remain firmly attached which can only be removed by aggressive treatment thereby damaging any corrosion protection (e.g. zinc coating or paint) and making relabelling a significant reconditioning operation.

The problem was in particular solved in the United Kingdom over ten years ago under former national regulations by an exemption which required the diamond to be the prescribed red but permitting the flame symbol and UN No. to be the background colour of the cylinder, provided there was an adequate contrast.

This can be achieved by stencilling with a single red colour.

A ten-year experience in the United Kingdom is clear evidence that this provision did not adversely affect safety.

2. Proposal

2.1 Amendment of clause 5.2.2.2.1.7:

To add (c):

- (c) labels for [LPG] cylinders and gas cartridges with entirely red backgrounds where they may be let in background colour of the cylinder or of the gas cartridge.**

2.2 Amendment of clause 5.2.2.2.21:

To amend clause 5.2.2.2.1 adding for the specimen primary risk labels of Class 2 gases "Symbol (flame): black or white or background colour of the cylinder or of the gas cartridge if adequate contrast is provided".
