

DANGEROUS GOODS PANEL

Dubai, 31 March to 4 April 2003

Agenda Item 2 Development of recommendations for amendments to the Technical : Instructions for incorporation in the 2005/2006 edition

AIRCRAFT EVACUATION SLIDE CYLINDERS CONTAINING AN ACTUATING CARTRIDGE

(Presented by R. Richard)

1. INTRODUCTION

1.1 Packing Instruction 905 authorizes aircraft evacuation slides, transported under the description of **Life-saving appliances**, to contain Division 2.2 gases in cylinders as permitted by Packing Instruction 200 and connected to the life-saving appliance. These cylinders typically have an actuating cartridge (Division 1.4C or 1.4S) attached that is designed to activate the valve on the cylinder allowing the gas to be released into the evacuation slide. Additionally, there are times these cylinders are required to be shipped separately from the aircraft evacuation slide as a spare. In either case, there is currently no specific authorization for the cylinder to contain the actuating cartridge and remain classified in Division 2.2.

1.2 Prior to the 2003-2004 edition of the Technical Instructions, these articles were transported under the description **Gas generator assemblies**, ID 8013. That description was eliminated in the latest edition of the Technical Instructions. These cylinders pose a similar hazard as small fire extinguishers; therefore, it is appropriate that they be authorized to be transported as a Division 2.2 material with restrictions similar to those placed on fire extinguishers by special provision A19. Since the problem has limited applicability to cylinders attached or shipped separately as spares of a aircraft evacuation slide, it is most appropriate to identify the authorization in Packing Instruction 905.

2. **PROPOSAL**

2.1 It is proposed that Packing Instruction 905 be revised to read:

- a) Division 2.2 gases, in cylinders ~~as permitted in~~ that conform to the requirements of Packing Instruction 200; these may be connected to the life-saving appliance. These cylinders may include installed actuating cartridges (cartridges, power device of Division 1.4C and 1.4S) provided the aggregate quantity of deflagrating (propellant) explosives does not exceed 3.2 grams per unit. When the cylinders are shipped separately, they shall be classified as appropriate for the Division 2.2 gas contained and need not be marked, labelled or described as explosive articles.

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