

DANGEROUS GOODS PANEL (DGP)

NINETEENTH MEETING

Montreal, 27 October to 7 November 2003

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

DIVISION 2.2 GASES IN PASSENGER BAGGAGE

(Presented by J. Abouchaar)

1. BACKGROUND

1.1 Part 8;1.1.2 lists those substances and articles of dangerous goods that passengers and crew members are permitted to carry in checked- and/or carry-on baggage or on their person.

1.2 This list of articles and substances has expanded over time as new items, particularly in the area of sporting equipment or consumer devices have been developed that incorporate or contain dangerous goods.

1.3 This is particularly the case with small cylinders of Division 2.2 gases. There are currently three specific exemptions applicable to dangerous goods carried by passengers and crew that contain Division 2.2 gases in 8;1.1.2. These are:

...

- d) small carbon dioxide gas cylinders worn for the operation of mechanical limbs, also spare cylinders of a similar size if required to ensure an adequate supply for the duration of the journey;

...

- m) with the approval of the operator(s), no more than two small carbon gas cylinders or other suitable gas in Division 2.2 per person fitted into a self-inflating life-jacket for inflation purposes, plus no more than two spare cylinders;

- p) with the approval of the operator(s), one avalanche backpack per person equipped with a pyrotechnic trigger mechanism containing not more than 200 mg of compressed gas in Division 2.2. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpack must be fitted with pressure relief devices;

1.4 However, the inclusion of these additional items presents operators with challenges in explaining to passengers that one item containing a dangerous good is acceptable, but another article containing the same dangerous good is not acceptable.

1.5 For example, a passenger may have small carbon dioxide cylinders for use as tyre inflation devices for a bicycle or for use in a soda siphon, but under the current provisions of the Technical Instructions these are not permitted.

1.6 To avoid this conflict it is proposed that the current three entries be combined into one that permits up to four cylinders, up to a defined size, containing a Division 2.2 gas.

2. PROPOSAL

2.1 Modify Part 8;2.11 by modifying d) to read as follows:

- d) with the approval of the operator(s) **in checked baggage only**, not more than ~~two~~ **four** small carbon ~~gas cylinders or other suitable gas in Division 2.2~~ per person fitted into a self-inflating life-jacket for inflation purposes, plus no more than two spare cylinders (**water capacity not exceeding 140 mL**) containing a Division 2.2 gas. **Where cylinders are required for the operation of mechanical limbs, including spare cylinders for the duration of the journey, these are not subject to operator approval and may be carried on the person or in carry-on baggage. Small cylinders containing a Division 2.2 may also be contained in an avalanche backpack. Carriage of these are limited to one per person and may include** ~~with the approval of the operator(s), one avalanche backpack per person equipped with a pyrotechnic trigger mechanism containing not more than 200 mg of compressed gas in Division 2.2:~~ **net of an explosive in Division 1.4S.** The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpack must be fitted with pressure relief devices;

2.2 8;2.1.1 m) and p) should then be deleted and 8;1.1.2 n), o) and q) renumbered as m), n) and o) respectively.

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