



**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals****Sub-Committee of Experts on the Transport of Dangerous Goods****Fifty-seventh session**

Geneva, 29 June-8 July 2020

Item 9 of the provisional agenda

Guiding principles for the Model Regulations**Revisions to Special Provision 301****Transmitted by the International Air Transport Association (IATA)*****Introduction**

1. At the fifty-sixth session of the Sub-Committee IATA submitted a working document (ST/SG/AC.10/C.3/2019/63) that sought discussion on the application of special provision 301, which sets out the allowance for the dangerous goods that may be contained in UN 3363, DANGEROUS GOODS IN APPARATUS, ARTICLES or EQUIPMENT.
2. The document identified that while packing instruction P907 only makes reference to Division 2.2 gases, special provision 301 simply limits the dangerous goods permitted in UN 3363 to those that are authorized under the limited quantity provisions of Chapter 3.4, which includes flammable gases in UN 2037, GAS CARTRIDGE and RECEPTACLES, SMALL CONTAINING GAS.
3. The discussion of the working document at the fifty-sixth session agreed that the wording of special provision 301 could be improved to remove any confusion as to the dangerous goods that can be included in articles assigned to UN 3363. This working paper proposes an amendment to special provision 301 to specifically exclude explosives and flammable gases from being permitted in articles assigned to UN 3363.
4. This working document also includes an alternative proposal that would permit a very small quantity of flammable gas in a gas cartridge / receptacle, small, containing gas to address the clock that was the motivation for the initial document to the fifty-fifth session of the Sub-Committee.
5. The clock in question contains a sealed capsule in which is a very small quantity, less than 2 g, of flammable gas, UN 1037, ETHYL CHLORIDE. While the gas is not permitted to be shipped under the provisions of Chapter 3.4, limited quantity, the sealed capsule meets the provisions of UN 2037, GAS CARTRIDGE and is permitted as limited quantity.

* 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2)

6. With such a small quantity of flammable gas inside a sealed capsule, the risk in transport is very, very low and as such it is believed that there could be provision to permit an article containing this small quantity of flammable gas to be assigned to UN 3363, DANGEROUS GOODS IN ARTICLES.

Proposal 1

7. The Sub-Committee is invited to consider if special provision 301 should be revised to permit a small quantity of flammable gas assigned to UN 2037 to be in an article classified as UN 3363, as follows (new text is underlined):

“301 This entry only applies to articles such as machinery, apparatus or devices containing dangerous goods as a residue or an integral element of the articles. It shall not be used for articles for which a proper shipping name already exists in the Dangerous Goods List of Chapter 3.2. Articles transported under this entry shall only contain dangerous goods which are authorized to be transported in accordance with the provisions of Chapter 3.4 (Limited quantities). This does not apply to UN numbers 0012, 0014 and 0055, which are not permitted in UN 3363. The quantity of dangerous goods in articles shall not exceed the quantity specified in Column 7a of the Dangerous Goods List of Chapter 3.2 for each item of dangerous goods contained, except that for flammable gases assigned to UN 2037, the quantity of flammable gas in any article shall not exceed 2 g. If the articles contain more than one item of dangerous goods, the individual dangerous goods shall be enclosed to prevent them reacting dangerously with one another during transport (see 4.1.1.6). When it is required to ensure liquid dangerous goods remain in their intended orientation, orientation arrows shall be displayed on at least two opposite vertical sides with the arrows pointing in the correct direction in accordance with 5.2.1.7.1.

The competent authority may exempt from regulation machinery or apparatus which would otherwise be transported under this entry.”

8. If this amendment is agreed, there would be the following consequential amendment to packing instruction P907:

P907	PACKING INSTRUCTION	P907
This instruction applies to articles such as machinery, apparatus or devices of UN 3363.		
...		
Receptacles containing dangerous goods shall conform to the general provisions in 4.1.1, except that 4.1.1.3, 4.1.1.4, 4.1.1.12 and 4.1.1.14 do not apply. For Division <u>2.1 and 2.2</u> gases, the inner cylinder or receptacle, its contents and filling ratio shall be to the satisfaction of the competent authority of the country in which the cylinder or receptacle is filled.		
...		

Proposal 2

9. If proposal 1 is not agreed, the Sub-Committee is invited to consider the following revision to special provision 301:

“301 This entry only applies to articles such as machinery, apparatus or devices containing dangerous goods as a residue or an integral element of the articles. It shall not be used for articles for which a proper shipping name already exists in the Dangerous Goods List of Chapter 3.2. Articles transported under this entry shall only contain dangerous goods which are authorized to be transported in accordance with the provisions of Chapter 3.4 (Limited quantities). This does not apply to UN numbers 0012, 0014 and 0055 and flammable gases assigned to UN 3037, which are not permitted in UN 3363. The quantity of dangerous goods in articles shall not exceed the quantity specified in Column 7a of the Dangerous

Goods List of Chapter 3.2 for each item of dangerous goods contained. If the articles contain more than one item of dangerous goods, the individual dangerous goods shall be enclosed to prevent them reacting dangerously with one another during transport (see 4.1.1.6). When it is required to ensure liquid dangerous goods remain in their intended orientation, orientation arrows shall be displayed on at least two opposite vertical sides with the arrows pointing in the correct direction in accordance with 5.2.1.7.1.

The competent authority may exempt from regulation machinery or apparatus which would otherwise be transported under this entry.”
