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**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****Forty-second session**

Geneva, 3–11 December 2012

Item 2(b) of the provisional agenda

**Recommendations made by the Sub-Committee on its  
thirty-ninth, fortieth and forty-first sessions and pending issues:  
listing, classification and packing****Proposal for provisions on a new type of confetti-shooters****Transmitted by the expert from Germany<sup>1</sup>****Background**

1. The expert from Germany presented several proposals on confetti-shooters activated by gas since 2010 (see documents ST/SG/AC.10/C.3/2010/64, informal documents INF.23 (fortieth session) and INF.60 (forty-first session) and ST/SG/AC.10/C.3/2012/45). The current provisions do not provide conditions for this new type of confetti shooters, therefore it was proposed to create a new special provision with requirements for confetti-shooters to ensure the same level of safety as for confetti-shooters with pyrotechnics and to assign this special provision to a new entry for these articles.
2. Several experts did not support the introduction of a specific UN number and considered that it would probably be preferable to deal with the question under a generic entry or N.O.S., which would also be applicable to various kinds of systems.
3. Following the discussion, it is proposed to use UN 3164 and to assign a new special provision applicable to this type of articles (proposal 1). This proposal contains two options. The first option contains an exemption for articles in packagings not exceeding 30 kg gross mass. The second option would be the same text without exemption and, if adopted, the necessary exemptions would be considered by the modal bodies. Additionally,

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2011-2012 approved by the Committee at its fifth session (refer to ST/SG/AC.10/C.3/76, para. 116 and ST/SG/AC.10/38, para. 16).

the Sub-Committee might consider if the name and description of UN 3164 should be amended as well (proposal 2).

## Proposal 1

4. Chapter 3.3:

### Option 1:

Insert a new special provision as follows:

“**3XY** (1) This entry also applies to articles, containing a small pressure receptacle with a release device. Such articles shall comply with the following requirements:

(a) The water capacity of the pressure receptacle shall not exceed 0.5 litres and the working pressure shall not exceed 25 bar at 15 °C;

(b) The minimum burst pressure of the pressure receptacle shall be at least four times the pressure of the gas at 15 °C;

(c) Each article shall be manufactured in such a way that unintentional firing or release is avoided under normal conditions of handling, packing, transport and use. This may be fulfilled by an additional locking device linked to the activator;

(d) Each article shall be manufactured in such a way to prevent the pressure receptacle and parts of the pressure receptacle from rocketing and to prevent hazardous projections;

(e) Each pressure receptacle shall be manufactured from material which will not fragment upon rupture;

(f) The design type of the article shall be subjected to a fire test. For this test, the provisions of paragraphs 16.6.1.2 except letter g, 16.6.1.3.1 to 16.6.1.3.6, 16.6.1.3.7 b) and 16.6.1.3.8 of the Manual of Tests and Criteria shall be applied. It shall be demonstrated that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, in such a way that the pressure receptacle will not fragment and that the article or fragments of the article do not rocket more than 10 metres;

(g) The design type of the article shall be subjected to a single package test. A stimulating mechanism shall be used to initiate one confetti shooter in the middle of the packaging. There shall be no hazardous effects outside the package such as disruption of the package, metal fragments or a receptacle which passes through the packaging.

(h) Each article shall be marked with the name or another identification mark of the manufacturer or the importer and the date (YYYY-MM-DD) of manufacture.

(2) The manufacturer shall produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer shall apply procedures to ensure that shooters produced in series are made of good quality, conform to the design type and are able to meet the requirements in (1). The manufacturer shall provide such information to the Competent Authority on request.

(3) Articles conforming to the requirements in (1) and (2) are not subject to further requirements of these Regulations if packed according to P 003 in packagings not exceeding 30 kg gross mass.”

### Option 2:

5. Insert a new special provision as proposed above without para (3) of 3xy.

6. Consequential amendment:

Insert “3xy” in column 6 against UN 3164.

## **Proposal 2**

7. Amend Column 2 for UN 3164 to read as follows:

“ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC or ARTICLES,  
CONTAINING SMALL PRESSURE RECEPTACLES, (containing non flammable gas)”.

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