

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

4 December 2012

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

Fire extinguishers: assignment to UN 1044 and packaging

Transmitted by the expert of Germany

Proposal 1

1. Amend SP 225 to read:

“225 Fire extinguishers under this entry may include installed actuating cartridges (cartridges, power device of Division 1.4C or 1.4S), without changing the classification of Division 2.2 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 g per extinguishing unit. Fire Extinguishers shall be manufactured, tested, approved and labelled according to the provisions of the country of manufacture. Fire extinguishers under this entry comprise:

(a) portable fire extinguishers for manual handling and operation;

(b) fire extinguishers for installation in aircraft;

(c) fire extinguishers mounted on wheels for manual handling;

(d) fire extinguishing equipment or machinery mounted on wheels or wheeled platforms or units transported similar to (small) trailers, and

(e) fire extinguishers composed of a non-rollable pressure drum and equipment, and handled e.g. by fork lift or crane when loaded or unloaded

~~This entry applies also to fire extinguishers not ready for operation and components of fire fighting equipment. However, gas cylinders and actuating cartridges intended to be transported separately shall be assigned to the entry for the gas contained.~~

Add a new Special PPxx to P 003 as follows:

“For UN 1044, large fire extinguishers may also be transported unpackaged provided that the requirements of 4.1.3.8 (a) to (e) are met, the valves are protected by one of the methods in accordance with 4.1.6.1.8 (a) to (d) and other equipment mounted on the fire extinguisher is protected to prevent accidental relief. For the purpose of this special packaging provision “large

fire extinguishers” means fire extinguishers as described in letter c to e of special provision 225.”

Insert PPxx in column 9 of the Dangerous Goods list against UN 1044.

Add a new Special PPxx to P 003 as follows:

“For UN 1044, large fire extinguishers may also be transported unpackaged provided that the requirements of 4.1.3.8 (a) to (e) are met, the valves are protected by one of the methods in accordance with 4.1.6.1.8 (a) to (d) and other equipment mounted on the fire extinguisher is protected to prevent accidental relief. For the purpose of this special packaging provision “large fire extinguishers” means fire extinguishers as described in letter c to e of special provision 225.”

Insert PPxx in column 9 of the Dangerous Goods list against UN 1044.

Proposal 2

2. Add the following sentence at the end of SP 225:

“Fire extinguishers charged with a compressed gas of division 2.2 with a pressure less than 200 kPa at 20°C and which do not contain any other dangerous goods are not subject to these regulations (see 2.2.2.3).”

Annex

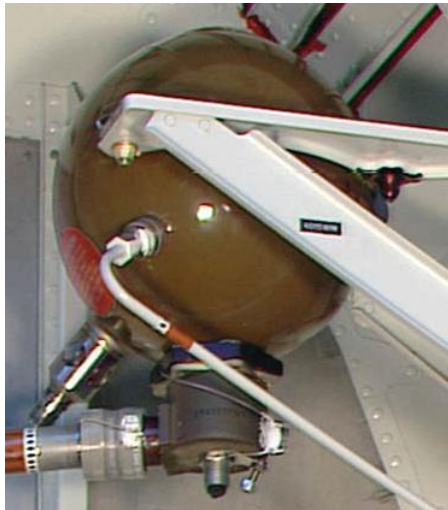
Examples for types of fire extinguishers to be transported under UN 1044:

Complete and ready-to-use equipment

1. Portable manually handled fire extinguishers subdivided into stored-pressure, cartridge-type, and carbon dioxide extinguishers:



2. Fire extinguishers for installation in aircraft:



3. Wheeled fire extinguishers or fire extinguishers permanently mounted on wheeled platforms, subdivision as above (stored-pressure, cartridge-type and carbon dioxide extinguishers):



4. Fire extinguishing equipment/machinery mounted on wheels or wheeled platforms transported unpacked and similar to (small) trailers



5. Fire extinguishers composed of a non-rollable pressure drum and equipment, transported unpacked and handled e.g. by fork lift or crane when loaded or unloaded.



Pre-installed components for stationary fire-fighting installations

6. This addresses components which are not complete and cannot immediately be used as fire extinguishers, e.g. extinguishing agent containers with piping, pre-installed in a cabinet.



Not to be transported under UN 1044

7 *Note: In the picture on the bottom left, only the red cylinder on the side is the object of carriage; equipment like that shown in the picture on the right is handled like a large packaging or container when carried.*

