

**Secretariat****Distr.
GENERAL****ST/SG/AC.10/1998/7
24 July 1998****Original: ENGLISH**

**COMMITTEE OF EXPERTS ON THE
TRANSPORT OF DANGEROUS GOODS**
(Twentieth session,
Geneva, 7-16 December 1998,
agenda item 2 (d))

**WORK OF THE SUB-COMMITTEE OF EXPERTS
ON THE TRANSPORT OF DANGEROUS GOODS**

New proposals */

Request for a new UN entry “Dangerous Goods in Machinery or Apparatus”

Transmitted by the expert from the United States of America

1. During its thirteenth session the Sub-Committee considered a proposal by the expert from the United States concerning a new entry for “Dangerous Goods in Machinery or Dangerous Goods in Apparatus”. This entry was adopted in the ICAO TI to provide an exception for machinery or apparatus containing small quantities of dangerous goods from the UN packaging tests and to provide a more practical means of describing machinery or apparatus containing small quantities of dangerous goods. During the discussion of the proposal, the expert from the United States agreed to amend the proposal to take into account recommendations by various delegates. In general, the Sub-Committee agreed that a specific entry for dangerous goods contained in machinery or apparatus is necessary for modes of transport other than air because the mass of the machinery or apparatus and its packaging as offered for transport typically exceed the gross mass allowed under the limited quantity provisions. This revised proposal takes the recommendations provided by the Sub-Committee into account. The expert from the United States requests that the Committee consider adoption of this proposal.

Proposal

2. It is proposed that the following be incorporated in the Recommendations:
- a) In the Dangerous Goods List add the following new entry:

*/ Refer to ST/SG/AC.10/C.3/26, paras. 86-88 and ST/SG/AC.10/C.3/1997/15.

UN No.	Name and Description	Class or Division	Subsidiary Risk	UN Packing Group	Special provisions	Limited Quantity	Packagings and IBC's		Portable Tanks	
							Packing Instruction	Special Reqs.	Portable Tank Instruction	Special Reqs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
33xx	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9			XXX	NONE	P9XX			

b) Add the following special provision in Chapter 3.3:

XXX This entry only applies to machinery or apparatus containing dangerous goods as an integral element of the machinery or apparatus. It shall not be used for machinery or apparatus for which a proper shipping name already exists in the Dangerous Goods List. Machinery and apparatus transported under this entry shall only contain dangerous goods which are authorized to be transported in accordance with the provisions in Chapter 3.4 (Limited quantities). The quantity of dangerous goods in machinery or apparatus shall not exceed the quantity specified in column 7 of the Dangerous Goods List for each item of dangerous goods contained. If the machinery or apparatus contains more than one item of dangerous goods, the individual substances shall not be capable of reacting dangerously with one another (see 4.1.1.6). When required to ensure liquid dangerous goods remain in their intended orientation, package orientation labels meeting the specifications of ISO Standard 780-1985 shall be affixed on at least two opposite vertical sides with the arrows pointing in the correct direction. The competent authority may exempt from regulation machinery or apparatus which would otherwise be transported under this entry.

c) Add the following packing instruction in Part 4 of the Recommendations:

P9XX	PACKING INSTRUCTION P9XX	P9XX
<p>Packagings or articles need not conform with the requirements of Chapter 6.1 or paragraphs 4.1.1.3, 4.1.1.4, 4.1.1.10, 4.1.1.12 and 4.1.1.14 of Chapter 4.1. Dangerous goods in machinery or apparatus shall be packed in outer packagings constructed of suitable material of adequate strength and design in relation to the packaging capacity and its intended use. If the machinery or apparatus are constructed and designed so that the receptacles containing the dangerous goods are afforded adequate protection, the outer packaging is not required. The nature of the containment shall be such that:</p>		
<p>a) Under normal conditions of transport, damage to receptacles containing the dangerous goods is unlikely; and</p>		
<p>b) in the event of damage to receptacles containing the dangerous goods, no leakage of the dangerous goods from the machinery or apparatus is possible. A leakproof liner may be necessary;</p>		
<p>c) Receptacles containing dangerous goods shall be so secured or cushioned as to prevent their breakage or leakage and so as to control their movement within the machinery or apparatus during normal conditions of transport. Cushioning material shall not react dangerously with the content of the receptacles. Any leakage of the contents shall not substantially impair the protective properties of the cushioning material.</p>		
<p>d) For Division 2.2 gases, the inner cylinder or receptacle, its contents and filling density shall be to the satisfaction of the competent authority in which the cylinder or receptacle is filled.</p>		