

COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS

(Twentieth session,
Geneva, 7-16 December 1998,
agenda item 2(b))

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

Packing Instructions

Information Paper from the International Maritime Organisation (IMO)

1. During its last session (14-23 September 1998) the DSC Sub-Committee's Editorial and Technical Group (E&T Group) considered the introduction of Packing Instructions into the reformatted IMDG code.
2. For packagings, the special packagings prescribed in the current IMDG code for classes 2, 3, 4.1, 4.2, 6.1, 8 and 9 were compared with the outcome of the Frankfurt Working Group.
3. For IBCs, the maritime related concerns made by some delegations during the Frankfurt Working Group were considered.
4. The two foregoing paragraphs clearly indicate that the work at IMO is not finalised and further remarks may be expected.
5. The ensuing paragraphs highlight the changes agreed by the E&T Group without the formal approval of the DSC Sub-Committee for consideration of the Committee.

Proposals

6. Make the following changes to the packing instructions:
 - P800: delete aluminium outer packagings
 - P801: in a) delete to packaging group III
7. Make the following changes to existing or new Special Packaging Provisions as agreed by the E&T Group:
 - SP11 5M1 and 5L1 bags should be deleted
 - SP 14 add UN 2698
 - SP 29 add UN 2031
 - SP 66 For UN 3048, 1694, 1698, 1699, 2471, 1693, 1889, bags are not allowed as inner packagings of combination packagings for pg I.

- SP67 For UN 1791, pgII, a venting device is required.
- SP68 For UN 2031, pg II, conc. 55% and higher, plastics single packagings only allowed with competent authority approval.
- SP 69 UN 1308 is allowed in combination packagings up to 75 kg gross.
- SP 70 For UN 2590, UN 2212 5M1 bags are allowed. The packages should be transported in closed freight containers, in other closed type cargo transport units or as stretch or shrink-wrapped unit loads. For plastics packagings, stretch-wrapping is preferred.
- SP 71 For UN 2969 5 H1, 5L1 and 5M1 bags are allowed for whole beans.
- SP 72 UN 2857 may be carried unpackaged or in crates.
- SP 73 For UN 1309 bags are only allowed in closed cargo transport units or as unit loads. (P11 should be deleted against that substance)
- SP 74 For UN 1365, 5M1 bags are allowed
- SP 75 For UN 1376, if not packaged in a metal drum, the substance should have been cooled and weathered for not less than 8 weeks before shipment.
- SP 76 For UN 2004 and 2005, single packagings are not allowed.
- SP 77 For UN 1378, for metal packagings a venting device is needed.

8. Approve the following class specific requirements as agreed by the E&T Group:

- Class 4.1

For the following UN numbers, pg II substances, P409 is acceptable if no bags (not even 5H4) are allowed: UN 1353, UN 4148, UN 2907, UN 3182, UN 2556, UN 2557, UN 2555, UN 1388, UN 1339, UN 1341, UN 1343, UN 1871, UN 1352, UN 1358, UN 1437

- Class 4.2

* The following principle was adopted:

- for pg II, no bags should be allowed
- for pg III, bags can only be allowed in certain cases

* UN 2870, P400 with no limit for the inners

* for UN 3200, UN 2846, UN 1383, UN 3203, UN 1854, UN 1855 and 2441, P403A is only applicable for certain percentages, otherwise it is a more general one.

9. Approve the results of the discussions on IBCs by the E&T Group which are as follows:
- .1 hydrides and sulphides of Class 4.3 PGII should be carried in IBC06; with regards to the packing of carbides, an agreement could not be reached;
 - .2 chlorosilanes of Class 8, PGII and III, should be carried in IBC02;
 - .3 isocyanates should be transported in IBC02;
 - .4 bromates, Class 5.1, PGII, should be carried in IBC05;
 - .5 chlorates and hypochlorites should be carried in IBC04;
 - .6 peroxides, perchlorates and permanganates should be carried in IBC04A;
 - .7 transport of zirconium suspended in a flammable liquid, UN 1308 in IBC should be prohibited;
 - .8 liquid substances of Classes 3, 6.1 and 8, PGIII with subsidiary risk should be allowed to be transported in an IBC with a flexible inner receptacle; and
 - .9 substances which are highly corrosive to steel, should only be allowed in IBCs without bottom openings.
10. Approve the following changes to the allocation of Packing Instructions and IBC instructions which were agreed by the E&T Group:

- Packagings

UN 1044 (p3)	add P17
UN 2857 (p4)	add P72
UN 1194 (p8)	change P001 in P099
UN 1222 (p11)	change P001 in P099
UN 1261 (p11)	change P001 in P099
UN 1865 (p12)	change P001 in P099
UN 3256 (p20)	change P001 in P099
UN 1649 (p37)	change P001 in P602
UN 1680 (p37) }	
UN 1689 (p37) }	Liq/Sol ⇒ P001/P002
UN 1694 (p37) }	
UN 3281 (p39)	Change P001/P002 in P099
UN 3124 (p41) }	
UN 3125 (p41) }	Change P001 or P002 in P099 for pg I
UN 3223 (p41) }	
UN 1590 (p42) }	Liq/Sol ⇒ P001/P002
UN 1597 (p42) }	
UN 1851 (p45)	add P6
UN 1812 (p51) }	Liq/Sol ⇒ P001/P002
UN 2937 (p53) }	

UN 1777 (p56) }	Change P001 in P802
UN 2444 (p56) }	
UN 3095 (p57) }	
UN 3301 (p57) }	Change P001 or P002 in P099 for pg I
UN 3096 (p57) }	
UN 3094 (p57) }	
UN 1835 (p59) }	Liq/Sol ⇒ P001/P002
UN 2949 (p61) }	
UN 2215 (p64)	add a new line for molten with none for packing instructions
UN 2511 (p64) }	Liq/Sol ⇒ P001/P002
UN 2834 (p65) }	
UN 3257 (p67)	change P001 in P099
UN 1517 (p22)	add P26
UN 3181 (p23)	change P002 in P409
UN 1366 (p25)	change P403 in P400
UN 1370 (p25)	change P403 in P400
UN 2793 (p28)	change P002 in P003
- IBCs	
UN 1390 (p30)	change IBC 07 in IBC 06
UN 1456 (p32) }	
UN 1472 (p32) }	
UN 1476 (p32) }	
UN 1481 (p32) }	
UN 1483 (p32) }	change IBC 05 in IBC 04A
UN 1490 (p32) }	
UN 1503 (p33) }	
UN 1509 (p33) }	
UN 1515 (p33) }	
UN 1516 (p33) }	
