Class 4
Reformatted Packing Instructions

4X1 **PACKING INSTRUCTION** **4X1**

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger	Cargo
Glass or earthenware (IP.1)	0.5kg	1kg
Plastics (IP.2)	0.5kg	1kg
Metal (IP.3)	-	1kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes
aluminium (4B)
fibreboard (4G)
plywood (4D)
reconstituted wood (4F)
expanded plastics (4H1)
solid plastics (4H2)
steel (4A)
wooden (4C1, 4C2)

Drums
aluminium (IB2)
fibre (1G)
plywood (1D)
steel (1A2)
plastics (1H2)
other metal (1N2)

Jerricans
aluminium (3B2)
steel (3A2)
plastics (3H2)

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)

Composite (plastics)

Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)

Drums

Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)

Jerricans

Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Additional Requirements:

1. Packagings shall be designed and constructed to prevent the loss of water or alcohol content or the content of the plegmatizer.
2. Packagings shall be so constructed and closed so as to avoid an explosive over pressure or pressure build-up of more than 300 kPa (3 bar)
3 The type of packaging and maximum permitted quantity per packaging are limited by the provisions of 2.1.3.5.
4. If the substance is dispersion in organic liquid, the organic liquid must have a flashpoint above 50°C
5. Plastic or glass inner packagings must be packed in tightly closed metal or rigid plastic receptacles before packing in outer packagings. Inner packagings must be packed with absorbent material as required in 4;1.1.10.1
6. Metal packagings are not permitted for substances of Division 4.1

Particular Packing requirements

PP26 For UN Nos. 1310, 1320, 1321, 1322, 1344, 1348, 1349, 1517, 3317 and packaging shall be lead free.

PPXX For UN 1310, 1410 and 1419 glass inner packagings are not permitted

PPXY For UN1310, 1354, 1355, 1356 and 1571 inner packagings are limited to 0.5Kg

PPXZ For UN 2852 inner packagings of glass only are limited to 0.25Kg

PP1A For UN 1360,1381, 1392, 1419, 1420, 1422, 1423, 1428 and 1870 metal inner packagings must not exceed 2.5kg

PP1B For UN 1420, 1422, 1423, 1428, and 2257 plastics packagings (inners or singles) are not permitted

Notes on PI 4X1:

- This packing instruction (4.1 PGI) addresses the following UN numbers.

1320	1354	1397	1419	1432	2011	3317
1321	1355	1404	1420	1433	2012	
1322	1356	1407	1422	1517	2013	
1326	1357	1409	1423	1571	2257	
1336	1360	1410	1426	1714	2463	
1337	1389	1413	1427	1870	2852	
1344		1414				

- If adopted this packing instruction would lead to the following changes. For UN 1336, 1344 and 1357 the quantity per inner plastic packaging for cargo aircraft will be reduced from 2.5Kg to 1 Kg.
- The relevant ICAO PIs are 412 and 416. The relevant UN PI is P406
- Should additional requirements 1 - 3 be retained? They originate from UN P406
- Should additional requirement 4 be retained?
- If an organic liquid is being used, then surely a liquid packaging is required in which case this packing instruction is incorrect and some amendment to the TIs is required.
- In Particular Packing Requirements there is no equivalent to UN PP26 in ICAO - propose it is retained.

4X2 **PACKING INSTRUCTION** **4X2**

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger			Cargo		
	PGI	*PGII*	*PGIII*	*PGI*	*PGII*	*PGIII*
Glass or earthenware (IP.1)	-	1kg	5kg	1kg	2.5kg	5kg
Plastics (IP.2)	-	2.5k g	10kg	2.5kg	5kg	10kg
Metal (IP.3)	-	2.5kg	10kg	2.5kg	5kg	10kg
Plastics bags (IP.5)	-	1kg	5kg	2.5kg	2.5kg	5kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4/C2)		

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)

Composite (plastics)

Plastics receptable in steel or aluminium drum (6HA1, 6HB1)

Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)

Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)

Drums

Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)

Jerricans

Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Additional Requirements:

1. Boxes (4A, 4C1, 4D, 4G and 4H2) and fibre (1G), plastics (1H2) and plywood (1D) drums must be fitted with a water resistant inner bag, plastics film lining or water resistant coating.
2. Glass, plastic, or earthenware inner packagings must be packed with cushioning material in tightly closed metal or rigid plastic receptacles before packing into outer packagings.

Particular Packing requirements

PPAA For UN 1339, 1341, 1343 inner plastics packagings (IP.2 and IP.5) are not permitted

PPAB For UN 1369 1382, 1384, 1385, 1409,1437, 1871, 2004 and 3182 plastics bag (IP.5) not permitted

PPDB For UN 1384, 1923, 1929, the maximum capacity of glass or earthenware 0.5Kg for passenger or 1 kg for cargo aircraft.

PPDC For UN 2318, 3205 and 3206. Inner packaging for passenger aircraft are limited to 1Kg and 2.5Kg for cargo aircraft. Bags (IP.5) are not permitted.

PPDD For UN 1378 only glass or earthenware or metal inner packagings are permitted and shall not exceed 1Kg

PPXA For UN2004 glass or earthenware inner packagings must be packed with absorbent material in tightly closed metal or rigid plastic receptacles before packing into outer packagings.

PPBA For UN 1324, 2000 there is not limit to the size of inner packagings

PPEA For UN 2008, 2545 and 2546 inner packagings quantities are as follows:
IP.1 Passenger 0.5 kg Cargo 1 kg
IP.2 Passenger 1 kg Cargo 2.5 kg
IP.3 Passenger 2.5 kg Cargo 5 kg
Bags IP.5 are not permitted

PPEB For UN 3205 and 3206 inner packaging quantities are as follows:
IP.1 Passenger 2.5 kg Cargo 5 kg
IP.2 Passenger 2.5 kg Cargo 5 kg
IP.3 Passenger 2.5 kg Cargo 10 kg
Bags IP.5 are not permitted

PPEC For UN 2881 inner packagings quantities are as follows:
IP.1 Passenger 1 kg Cargo 2.5 kg
IP.3 Passenger 1 kg Cargo 2.5 kg
IP.2 and IP.5 are not permitted

PPXXX For UN 1408 the inner packaging limits are:

	Passenger	Cargo
IP.1	1	2.5
IP.2	1	2.5
IP.3	5	10

PPYYY For UN 1418, 1436, 2806, 2813, 3131, 3132, 3134 and 3135 in Packing Group I inner packagings shall have threaded closures.

PPYYA For UN1350 there is no limit to package sizes.

Notes to 4X2

1309	1345	1394	1435	2010	2813	3078	3179
1312	1346	1395	1436	2213	2830	3088	3180
1323	1350	1396	1437	2318	2844	3089	3181
1324	1352	1398	1868	2538	2858	3126	3182
1325	1353	1400	1869	2545	2878	3128	3189
1328	1358	1401	1871	2546	2881	3131	3190
1330	1362	1402	1923	2623	2907	3132	3191
1332	1369	1405	1929	2687	2925	3134	3192
1333	1378	1408	2000	2714	2926	3135	3205
1334	1382	1409	2001	2715	2940	3170	3206
1339	1384	1418	2004	2717	2950	3174	3313
1341	1385	1431	2008	2793	2968	3175	3341
1343	1393	1433	2009	2806	2989	3178	3342

This packing instruction applies to the following UN numbers in Class 4 PGII and PGIII:

- The relevant ICAO PIs are PI 411, 415, 416 417, 418, 419 and 420.

- The relevant UN PI is UN P002, 403, 406 and 410.

- For UN 1339, 1341 and 1343 inner plastics packagings are not permitted on passenger aircraft but are on cargo - propose to prohibit on cargo.

- For UN 1871 bags are permitted on passenger aircraft but not on cargo. No bags to be permitted at all.

- For UN 1352, 3182, 1358 the limit on bags is 0.5Kg propose to increase to 1 Kg.

- For UN1326, 1339, 1341, 1343, 1352, 1358, 1369, 1384,1437, 1871, 1923, 1929, 2004, 2008, 2545, 2546 and 3182 propose to increase glass (IP1) from 0.5kg to 1kg for passenger and from 1 kg to 2.5 kg for cargo. Other PGII solids are already given 1 Kg and 2.5 Kg.

- It is noticeable that some N.O.S. entries e.g. 3126, 3128 get more generous treatment than known substances. Consider
  a) deleting PPDA as it appears to be a compatibility issue
  b) deleting PPDB by aligning inner quantity provisions

- For UN1431 propose to increase plastics (IP.2) and metal (IP.3) form 1 kg to 2.5 kg for passenger and from 2.5 kg to 5 kg for cargo aircraft.

- For UN1437, 1923 and 1929 (all PGII) propose to increase plastics (IP.2) from 0.5 kg to 2.5 kg for passenger and from 2.5 kg to 5 kg for cargo aircraft. .

- For UN3182 PGII propose to increase glass (IP.1) from 0.5 kg to 1 kg and plastics (IP.2) form 0.5 kg to 2.5 kg for passenger and glass from 1 kg to 2.5 kg and plastics from 1 kg to 5 kg for cargo aircraft.

- For UN 3182 PGIII propose to increase glass (IP.1) from 1 kg to 2.5 kg, plastics (IP.2) from 1 kg to 10 kg and metal from 5 kg to 10 kg for passenger aircraft and plastics from 5 kg to 10 kg for cargo aircraft.

- Could PPEA, PPEB, and PPEC be aligned to remaining entries? These cover:
  1324 Fibrous nitrocellulose
  2000 Celluloid in blocks
  3205 Alkaline earth metal alcoholates
  3206 Alkali earth metal alcoholates self-heating corrosive
  2881 Metal Catalyst dry

- UN1408 (Ferrosilicon) PGIII is it necessary to maintain these low quantities?

- PPYYY is taken from UN PI 403 and is not a current ICAO requirement – propose adoption.

4X5 PACKING INSTRUCTION 4X5

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger	Cargo
Glass or earthenware (IP.1)	1 kg	1 kg
Plastics (IP.2)	1 kg	1 kg
Metal (IP.3)	1 kg	1 kg
Plastics bags (IP.5)	0.1 kg	2.5 kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4C2)		

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)

Composite (plastics)
Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)
Drums
Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)
Jerricans
Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

- This packing instruction applies to UN2555, 2556 and 2557
- No changes to quantities, but why allow 2.5kg for plastics bag and only 1kg for a plastics bottle? This appears to be inconsistent.

4X7 PACKING INSTRUCTION 4X7

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger	Cargo
Glass or earthenware (IP.1)	1 kg	2.5 kg
Plastics (IP.2)	1 kg	2.5 kg
Metal (IP.3)	5 kg	10 kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4C2)		

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)

Composite (plastics)
Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)
Drums
Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)
Jerricans
Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Particular Packing Requirements

PPCA For UN 3241 No metal packagings is permitted (inner or outers) and glass earthenware inner packagings are limited to 0.5Kg, Plastics bags (IP.5) up to 0.5Kg are also permitted.

PPCB For UN 1338 glass or earthenware inner packagings are limited to 0.5Kg for passenger aircraft and 1Kg for cargo aircraft.

Notes on PI 4X7:

- This packing instruction applies to the following numbers: 1313 1314 1318 1338 3241
- No overall changes to quantities. However, it is proposed to permit inner plastics packagings on passenger aircraft as they are permitted in cargo as inners and singles
- The relevant ICAO PIs are PI 422, 421 and 434. The relevant UN PI is P002

4X8 PACKING INSTRUCTION 4X8

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger			Cargo		
	PGI	*PG II*	*PGIII*	*PGI*	*PGII*	*PGIII*
Glass or earthenware (IP.1)	-	1L	2.5L	1L	2.5L	5L
Plastics (IP.2)	-	1L	2.5L	-	2.5L	5L
Metal (IP.3)	-	1L	5L	1L	5L	10L

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4C2)		

SINGLE PACKAGINGS

Single packagings for substances of Packing Group II and III are permitted on cargo aircraft only

Composite (plastics)
Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)
Drums
Aluminium (1B1, 1B2,), plastics (1H1, 1H2), steel (1A1, 1A2), other metal (1N1, 1N2)
Jerricans
Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Additional Requirements:
Glass, plastic, or earthenware inner packagings must be packed with cushioning material in tightly closed metal or rigid plastic receptacles before packing into outer packagings.

Particular Packing requirements
PPXXW UN 3207, 3208 and 3209 plastics packaging are not permitted.
PPXXY For UN 3207, 3208 and 3209 glass or earthenware inner packagings must be packed with absorbent material in tightly closed metal or rigid plastic receptacles before packing into outer packagings

Notes on PI 4X8:

- This packing instruction applies to the following UN numbers:

1183 1242 1389 1391 1411 1421 1928 2965 2988 3129 3130 3148
3183 3184 3185 3186 3187 3188 3207 3208 3209

- No change to quantities.

- Note no requirement for glass to be protected for all of the substances but it is a requirement for equivalent solid entries. The working group propose its insertion.

- The relevant ICAO PI is PI 408, 414, 425, 431 and 432.

- The relevant UN PI is UN P001, 401 and P402

- UN3207 in 432 is permitted in cylinders as single packagings. In UN P401 and P402 a cylinder is required for all the substances allocated to 4X8. Why is it only the N.O.S entry is permitted in a cylinder and not the pure substances, which appear to be allowed in ordinary single packagings? Most of the substances allocated to this PI would not be permitted in ordinary UN packagings as singles (i.e. cylinders are mandatory).

4X15 PACKING INSTRUCTION 4X15

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger	Cargo
Glass or earthenware (IP.1)	1 kg	2.5 kg
Plastics (IP.2)	1 kg	2.5kg
Metal (IP.3)	1 kg	5 kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4C2)		

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)

Composite (plastics)
Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)
Drums
Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)
Jerricans
Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Additional Requirements:
Glass or earthenware inner packagings must be packed with absorbent material in tightly closed metal or rigid receptacles before packing into outer packagings.

Notes on PI4X15:

- This packing instruction applies to UN1390, 1394, 1402, 2805, and 2835
- Propose to increase UN2805 to 5kg in metal inner packagings.
- ICAO PI 416 and 418. UN P410.

4X16 PACKING INSTRUCTION 4X16

The general requirements of Part 4 Chapter 1 must be met. Substances must be compatible with packagings as required by Part 4; 1.1.3

COMBINATION PACKAGINGS

The following inner packagings are permitted for passenger and cargo aircraft:

	Passenger	Cargo
Glass or earthenware (IP.1)	0.5 kg	1 kg
Plastics (IP.2)	0.5 kg	1 kg
Metal (IP.3)	0.5 kg	1 kg

The following outer packagings are permitted for all inner packagings permitted above

Boxes	*Drums*	*Jerricans*
aluminium (4B)	aluminium (IB2)	aluminium (3B2)
fibreboard (4G)	fibre (1G)	steel (3A2)
plywood (4D)	plywood (1D)	plastics (3H2)
reconstituted wood (4F)	steel (1A2)	
expanded plastics (4H1)	plastics (1H2)	
solid plastics (4H2)	other metal (1N2)	
steel (4A)		
wooden (4C1, 4C2)		

SINGLE PACKAGINGS

Single packagings are permitted on cargo aircraft only

Boxes (4A, 4C1, 4C2, 4D, 4F, 4G and 4H2)
Composite (plastics)
Plastics receptable in steel or aluminium drum (6HA1, 6HB1)
Plastics receptacle in fibre, plastic or plywood drum (6HG1, 6HH1, 6HD1)
Plastics receptacle in steel or aluminium crate or box or plastic receptacle in wood, plywood, fibreboard, or solid plastics box (6HA2, 6HB2, 6HC, 6HD2, 6HG2, or 6HH2)
Drums
Aluminium (1B1, 1B2,) fibre (1G), plastics (1H1, 1H2), plywood (1D), steel (1A1, 1A2), other metal (1N1, 1N2)
Jerricans
Plastics (3H1, 3H2), steel (3A1, 3A2), aluminium (3B1, 3B2)

Particular Packaging Requirements
PPWA For UN 1340:
Passenger aircraft
IP.2 (plastic) Forbidden
IP.3 (metal) 2.5 Kg
Cargo aircraft
IP.1 (glass) 0.5 Kg
IP.2 (plastic) 5 Kg

Notes on PI 4X16:

- This packing instruction applies to UN 1340, 1417 and 2624
- No changes to quantities. Propose that UN 1340 is reviewed and aligned with the other substances. Plastic inners very strange forbidden PAX and 5 Kg CAO.
- The relevant ICAO PIs are 412, 416 and 418.
- The relevant UN PI is P410
- If the DGP were to agree to some rationalization of inner packaging quantities it might be possible to place these substances in 4X2.

General Notes:

Note following each Packing Instruction is a list of UN numbers that have been allocated to it. It should be remembered that the same UN number can appear in more than one Packing Instruction as they can be PGI, II or II. In addition a few substances can be liquid or solid with the same UN number (this is currently being addressed in Geneva).

4X1 4.1 and 4.3 PGI

4X2 4.1,4.2 and 4.3 PGII and III

4X5 4.1 PGII (Nitrocellulose entries)

4X7 4.1 PGIII

4X8 4.2 PGII N.O.S entries with subsidiary risks and 4.3 PG I

4X15 4.3 PGII

4X16 4.3 PGII

The following existing PIs would be retained and updated as appropriate with the UN Instructions:
400, 401, 404, 433.

The limited quantity (Y) packing instructions will be aligned appropriately if the structure is adopted.

UN 3319 is a substance allocated to UN packing instruction P099 (only with competent authority approval). The TIs permit shipment under 435. It is proposed that this substance becomes Forbidden for passenger and cargo.

UN3207 in cylinders needs special attention see 4X8.