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Item 6 of the provisional agenda

**HARMONIZATION WITH THE UN MODEL REGULATIONS ON THE
TRANSPORT OF DANGEROUS GOODS**

Carriage in bulk and in bulk containers

Transmitted by the Government of the United Kingdom

SUMMARY

Executive summary: There are currently two parallel systems for dealing with carriage in bulk in RID/ADR. In the base document ECE/TRANS/WP.15/AC.1/2009/48, the Government of the United Kingdom proposed that, in the future, there should only be one based on the multimodal system from the UN Model Regulations using bulk containers of Codes BK1 and BK2. In this informal document linked to the base document, the United Kingdom has drafted some initial proposals on how to take this subject forward towards a single system.

Action to be taken: Consider initial proposals on how to develop a single system of bulk container codes.

Related document: ECE/TRANS/WP.15/AC.1/2009/48.

INF 16 (Joint Meeting – March 2009)

Introduction

1. As mentioned in paragraph 11 of 2009/48, this informal document lists each of the current RID/ADR special provisions for carriage in bulk together with the

entries in Table A of Chapter 3.2 that are allocated the Code and where applicable the UN bulk container code (BK1, BK2).

2. After each RID/ADR special provision (VW/VV Code) or groups of Codes, initial proposals are put forward. It is important to bear in mind that when the parallel UN system based on bulk container codes BK1 and BK2 was included in RID/ADR for the 2005 editions, the general provisions in 7.3.1 were added from the text of Chapter 4.3 of the UN Model Regulations to apply to both systems without any consequential changes being made to the texts of the VW/VV special provisions.
3. It is considered that in general, specific requirements in the VW/VV special provisions are adequately covered in 7.3.1 together with any Class specific provisions in 7.3.2 to allow a move towards one system based on the BK1 and BK2 Codes.

Proposals

4. Codes VW1 and VV1

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|-----|--------------|
| 1309 | Aluminium powder, coated | 4.1 | III | |
| 1312 | Borneol | 4.1 | III | |
| 1313 | Calcium resinate | 4.1 | III | |
| 1314 | Calcium resinate (fused) | 4.1 | III | |
| 1318 | Cobalt resinate (precipitated) | 4.1 | III | |
| 1325 | Flammable solid | 4.1 | III | |
| 1328 | Hexamethylenetetramine | 4.1 | III | |
| 1330 | Manganese resinate | 4.1 | III | |
| 1332 | Metaldehyde | 4.1 | III | |
| 1338 | Phosphorus, amorphous | 4.1 | III | |
| 1346 | Silicon powder, amorphous | 4.1 | III | |
| 1350 | Sulphur | 4.1 | III | BK1, BK2 |
| 1408 | Ferrosilicon | 4.3 | III | BK2 |
| 1869 | Magnesium or Magnesium alloys | 4.1 | III | |
| 2001 | Cobalt naphthenates, powder | 4.1 | III | |
| 2213 | Paraformaldehyde | 4.1 | III | BK1, BK2 |
| 2538 | Nitronaphthalene | 4.1 | III | |
| 2687 | Dicyclohexylammonium nitrite | 4.1 | III | |
| 2714 | Zinc resinate | 4.1 | III | |
| 2715 | Aluminium resinate | 4.1 | III | |
| 2717 | Camphor | 4.1 | III | |
| 2858 | Zirconium, dry | 4.1 | III | |
| 2878 | Titanium sponge granules or powder | 4.1 | III | |
| 2989 | Lead phosphite, dibasic | 4.1 | III | |
| 3077 | Environmentally hazardous substance, solid, n.o.s. | 9 | III | BK2 |
| 3089 | Metal powder, flammable, n.o.s. | 4.1 | III | |
| 3178 | Flammable solid, inorganic, n.o.s. | 4.1 | III | |
| 3181 | Metal salts of organic compounds, flammable, n.o.s. | 4.1 | III | |
| 3182 | Metal hydrides, flammable, n.o.s. | 4.1 | III | |

It is proposed that Code VW1/VV1 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

5. Codes VW1 & VW5 and VV1 & VV5

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|-----|--------------|
| 3170 | Aluminium smelting or remelting by-products | 4.3 | III | BK1, BK2 |

It is proposed that Codes VW1/VV1 and VW5/VV5 are deleted from Column (17) against this entry in Table A in Chapter 3.2.

6. Codes VW2 and VV2

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|-------------------------------|-------|-----|--------------|
| 1334 | Naphthalene, crude or refined | 4.1 | III | BK1, BK2 |

It is proposed that Code VW2/VV2 is deleted from Column (17) against this entry in Table A in Chapter 3.2.

7. Codes VW3 and VV3

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|-----|--------------|
| 2211 | Polymeric beads, expandable | 9 | III | |
| 3175 | Solid containing flammable liquid, n.o.s. | 4.1 | II | BK1, BK2 |
| 3314 | Plastics moulding compound | 9 | III | |

It is proposed that Code VW3/VV3 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

8. Codes VW4 and VV4

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|------------------------------------|-------|-----|--------------|
| 1361 | Carbon | 4.2 | III | |
| 1362 | Carbon, activated | 4.2 | III | |
| 1363 | Copra | 4.2 | III | |
| 1364 | Cotton waste, oily | 4.2 | III | |
| 1365 | Cotton, wet | 4.2 | III | |
| 1373 | Fibres, fabrics with oil | 4.2 | III | |
| 1376 | Iron oxide or iron sponge, spent | 4.2 | III | BK2 |
| 1379 | Paper, unsaturated oil treated | 4.2 | III | |
| 1386 | Seed cake | 4.2 | III | |
| 1932 | Zirconium scrap | 4.2 | III | |
| 2008 | Zirconium powder, dry | 4.2 | III | |
| 2009 | Zirconium, dry, sheets, strips etc | 4.2 | III | |
| 2210 | Maneb or maneb preparation | 4.2 | III | |

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|------|---------------------------------------|-----|-----|--|
| 2217 | Seed cake | 4.2 | III | |
| 2545 | Hafnium powder, dry | 4.2 | III | |
| 2546 | Titanium powder, dry | 4.2 | III | |
| 2793 | Ferrous metal borings, shavings, etc | 4.2 | III | |
| 2881 | Metal catalyst, dry | 4.2 | III | |
| 3189 | Metal powder, self heating, dry | 4.2 | III | |
| 3190 | Self heating solid, inorganic, n.o.s. | 4.2 | III | |

It is proposed that Code VW4/VV4 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

9. Codes VW5 and VV5

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|--|-------|-----|--------------|
| 1394 | Aluminium carbide | 4.3 | II | |
| 1396 | Aluminium powder, uncoated | 4.3 | III | |
| 1398 | Aluminium silicon powder, uncoated | 4.3 | III | |
| 1402 | Calcium carbide | 4.3 | II | |
| 1418 | Magnesium or magnesium alloys, powder | 4.3 | III | |
| 1435 | Zinc ashes | 4.3 | III | |
| 1436 | Zinc powder or dust | 4.3 | III | |
| 2813 | Water-reactive solid, n.o.s. | 4.3 | III | |
| 2950 | Magnesium granules, coated | 4.3 | III | BK2 |
| 2968 | Maneb or maneb preparation, stabilized | 4.3 | III | |
| 3208 | Metallic substance, water-reactive, n.o.s. | 4.3 | III | |
| 3209 | Metallic substance, water-reactive, self-heating, n.o.s. | 4.3 | III | |

It is proposed that Code VW5/VV5 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container code BK2 is added to Column (10) where not already provided for.

10. Codes VW5 & VW7 and VV5 & VV7

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---------------------------|-------|-----|--------------|
| 1405 | Calcium silicide | 4.3 | III | |
| 2844 | Calcium manganese silicon | 4.3 | III | |

Codes VW6 and VV3

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 3170 | Aluminium smelting or remelting by-products | 4.3 | II | BK1, BK2 |

Codes VW7 and VV7

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|------------------|-------|----|--------------|
| 1405 | Calcium silicide | 4.3 | II | |

It is proposed that Codes VW5/VV5, VW7/VV7 and VW6 and VV3 are deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

11. Codes VW8 and VV8

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|--|-------|-----|--------------|
| 1438 | Aluminium nitrate | 5.1 | III | BK1, BK2 |
| 1442 | Ammonium perchlorate | 5.1 | II | |
| 1444 | Ammonium persulphate | 5.1 | III | |
| 1450 | Bromates, inorganic, n.o.s. | 5.1 | II | |
| 1451 | Caesium nitrate | 5.1 | III | |
| 1452 | Calcium chlorate | 5.1 | II | |
| 1454 | Calcium nitrate | 5.1 | III | BK1, BK2 |
| 1455 | Calcium perchlorate | 5.1 | II | |
| 1458 | Chlorate and borate mixture | 5.1 | II | |
| 1458 | Chlorate and borate mixture | 5.1 | III | |
| 1459 | Chlorate and magnesium chloride mixture, solid | 5.1 | II | |
| 1459 | Chlorate and magnesium chloride mixture, solid | 5.1 | III | |
| 1461 | Chlorates, inorganic, n.o.s. | 5.1 | II | |
| 1465 | Didymium nitrate | 5.1 | III | |
| 1466 | Ferric nitrate | 5.1 | III | |
| 1467 | Guanidine nitrate | 5.1 | III | |
| 1473 | Magnesium bromate | 5.1 | II | |
| 1474 | Magnesium nitrate | 5.1 | III | BK1, BK2 |
| 1475 | Magnesium perchlorate | 5.1 | II | |
| 1477 | Nitrates, inorganic, n.o.s. | 5.1 | III | |
| 1481 | Perchlorates, inorganic, n.o.s. | 5.1 | II | |
| 1481 | Perchlorates, inorganic, n.o.s. | 5.1 | III | |
| 1484 | Potassium bromate | 5.1 | II | |

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|------|--|-----|-----|----------|
| 1485 | Potassium chlorate | 5.1 | II | |
| 1486 | Potassium nitrate | 5.1 | III | BK1, BK2 |
| 1487 | Potassium nitrate and sodium nitrite mixture | 5.1 | II | |
| 1488 | Potassium nitrite | 5.1 | II | |
| 1489 | Potassium perchlorate | 5.1 | II | |
| 1492 | Potassium persulphate | 5.1 | III | |
| 1493 | Silver nitrate | 5.1 | II | |
| 1494 | Sodium bromate | 5.1 | II | |
| 1495 | Sodium chlorate | 5.1 | II | BK1, BK2 |
| 1498 | Sodium nitrate | 5.1 | III | BK1, BK2 |
| 1499 | Potassium nitrate and sodium nitrate mixture | 5.1 | III | BK1, BK2 |
| 1502 | Sodium perchlorate | 5.1 | II | |
| 1505 | Sodium persulphate | 5.1 | III | |
| 1506 | Strontium chlorate | 5.1 | II | |
| 1507 | Strontium nitrate | 5.1 | III | |
| 1508 | Strontium perchlorate | 5.1 | II | |
| 1513 | Zinc chlorate | 5.1 | II | |
| 1942 | Ammonium nitrate | 5.1 | III | BK1, BK2 |
| 2067 | Ammonium nitrate based fertilizer | 5.1 | III | BK1, BK2 |
| 2469 | Zinc bromate | 5.1 | III | |
| 2720 | Chromium nitrate | 5.1 | III | |
| 2721 | Copper chlorate | 5.1 | II | |
| 2722 | Lithium nitrate | 5.1 | III | |
| 2723 | Magnesium chlorate | 5.1 | II | |
| 2724 | Manganese nitrate | 5.1 | III | |
| 2725 | Nickel nitrate | 5.1 | III | |
| 2726 | Nickel nitrite | 5.1 | III | |

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|------|--|-----|-----|----------|
| 2728 | Zirconium nitrate | 5.1 | III | |
| 2880 | Calcium hypochlorite, hydrated or hydrated mixture | 5.1 | III | |
| 3215 | Persulphates, inorganic, n.o.s. | 5.1 | III | |
| 3377 | Sodium perborate monohydrate | 5.1 | III | BK1, BK2 |
| 3378 | Sodium carbonate peroxyhydrate | 5.1 | II | BK1, BK2 |
| 3378 | Sodium carbonate peroxyhydrate | 5.1 | III | BK1, BK2 |

It is proposed that Code VW8/VV8 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

12. Codes VW9 and VV3

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|--------------------------------------|-------|-----|--------------|
| 1841 | Acetaldehyde ammonia | 9 | III | |
| 1931 | Zinc dithionite (Zinc hydrosulphite) | 9 | III | |
| 2969 | Castor beans, meal, pomace or flake | 9 | II | BK1, BK2 |

It is proposed that Codes VW9 [RID] and VV3 [ADR] are deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10) where not already provided for.

13. Codes VW9 and VV9

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|-----|--------------|
| 1544 | Alkaloids or alkaloid salts, solid, n.o.s. | 6.1 | III | |
| 1548 | Aniline hydrochloride | 6.1 | III | |
| 1549 | Antimony compound, inorganic, solid, n.o.s. | 6.1 | III | |
| 1550 | Antimony lactate | 6.1 | III | |
| 1551 | Antimony potassium tartrate | 6.1 | III | |
| 1557 | Arsenic compound, solid, n.o.s. | 6.1 | III | |
| 1564 | Barium compound, n.o.s. | 6.1 | III | |
| 1566 | Beryllium compound, n.o.s. | 6.1 | III | |
| 1579 | 4-Chloro-o-toluidine hydrochloride, solid | 6.1 | III | |
| 1588 | Cyanides, inorganic, solid, n.o.s. | 6.1 | III | |
| 1601 | Disinfectant, solid, toxic, n.o.s. | 6.1 | III | |

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|------|---|-----|-----|--|
| 1616 | Lead acetate | 6.1 | III | |
| 1655 | Nicotine compound or preparation, solid, n.o.s. | 6.1 | III | |
| 1663 | Nitrophenols | 6.1 | III | |
| 1673 | Phenyldiamines | 6.1 | III | |
| 1690 | Sodium fluoride, solid | 6.1 | III | |
| 1709 | 2,4-Toluenediamine, solid | 6.1 | III | |
| 1740 | Hydrogendifluorides, solid, n.o.s. | 8 | III | |
| 1759 | Corrosive solid n.o.s. | 8 | III | |
| 1773 | Ferric chloride, anhydrous | 8 | III | |
| 1794 | Lead sulphate | 8 | II | |
| 1812 | Potassium fluoride, solid | 6.1 | III | |
| 1884 | Barium oxide | 6.1 | III | |
| 1907 | Soda lime | 8 | III | |
| 2020 | Chlorophenols, solid | 6.1 | III | |
| 2025 | Mercury compound, solid, n.o.s. | 6.1 | III | |
| 2026 | Phenylmercuric compound, n.o.s. | 6.1 | III | |
| 2074 | Acrylamide, solid | 6.1 | III | |
| 2077 | alpha-Naphthylamine | 6.1 | III | |
| 2214 | Phthalic anhydride | 8 | III | |
| 2215 | Maleic anhydride | 8 | III | |
| 2237 | Chloronitroanilines | 6.1 | III | |
| 2239 | Chlorotoluidines solid | 6.1 | III | |
| 2280 | Hexamethylenediamine, solid | 8 | III | |
| 2291 | Lead compound, soluble, n.o.s. | 6.1 | III | |
| 2331 | Zinc chloride, anhydrous | 8 | III | |
| 2430 | Alkylphenols, solid, n.o.s. | 8 | III | |
| 2433 | Chloronitrotoluenes, solid | 6.1 | III | |

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|------|-----------------------------------|-----|-----|--|
| 2440 | Stannic chloride pentahydrate | 8 | III | |
| 2446 | Nitrocresols, solid | 6.1 | III | |
| 2473 | Sodium arsenilate | 6.1 | III | |
| 2475 | Vanadium trichloride | 8 | III | |
| 2503 | Zirconium tetrachloride | 8 | III | |
| 2505 | Ammonium fluoride | 6.1 | III | |
| 2506 | Ammonium hydrogen sulphate | 8 | II | |
| 2507 | Chloroplatinic acid, solid | 8 | III | |
| 2508 | Molybdenum pentachloride | 8 | III | |
| 2509 | Potassium hydrogen sulphate | 8 | II | |
| 2512 | Aminophenols | 6.1 | III | |
| 2516 | Carbon tetrabromide | 6.1 | III | |
| 2570 | Cadmium compound | 6.1 | III | |
| 2578 | Phosphorus trioxide | 8 | III | |
| 2579 | Piperazine | 8 | III | |
| 2585 | Alkylsulphonic acids, solid | 8 | III | |
| 2588 | Pesticide, solid, toxic, n.o.s. | 6.1 | III | |
| 2651 | 4,4'-Diaminodiphenylmethane | 6.1 | III | |
| 2655 | Potassium fluorosilicate | 6.1 | III | |
| 2659 | Sodium chloroacetate | 6.1 | III | |
| 2660 | Nitrotoluidines (mono) | 6.1 | III | |
| 2674 | Sodium fluorosilicate | 6.1 | III | |
| 2698 | Tetrahydrophthalic anhydrides | 8 | III | |
| 2713 | Acridine | 6.1 | III | |
| 2716 | 1,4-Butynediol | 6.1 | III | |
| 2729 | Hexachlorobenzene | 6.1 | III | |
| 2757 | Carbamate pesticide, solid, toxic | 6.1 | III | |

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|------|---|-----|-----|--|
| 2759 | Arsenical pesticide, solid, toxic | 6.1 | III | |
| 2761 | Organochlorine pesticide, solid, toxic | 6.1 | III | |
| 2763 | Triazine pesticide, solid, toxic | 6.1 | III | |
| 2771 | Thiocarbamate pesticide, solid, toxic | 6.1 | III | |
| 2775 | Copper based pesticide, solid, toxic | 6.1 | III | |
| 2777 | Mercury based pesticide, solid, toxic | 6.1 | III | |
| 2779 | Substituted nitrophenol pesticide, solid, toxic | 6.1 | III | |
| 2781 | Bipyridilium pesticide, solid, toxic | 6.1 | III | |
| 2783 | Organophosphorus pesticide, solid, toxic | 6.1 | III | |
| 2786 | Organotin pesticide, solid, toxic | 6.1 | III | |
| 2802 | Copper chloride | 8 | III | |
| 2803 | Gallium | 8 | III | |
| 2811 | Toxic solid, organic, n.o.s. | 6.1 | III | |
| 2823 | Crotonic acid, solid | 8 | III | |
| 2834 | Phosphorous acid | 8 | III | |
| 2853 | Magnesium fluorosilicate | 6.1 | III | |
| 2854 | Ammonium fluorosilicate | 6.1 | III | |
| 2855 | Zinc fluorosilicate | 6.1 | III | |
| 2856 | Fluorosilicates, n.o.s. | 6.1 | III | |
| 2862 | Vanadium pentoxide | 6.1 | III | |
| 2865 | Hydroxylamine sulphate | 8 | III | |
| 2869 | Titanium trichloride mixture | 8 | III | |
| 2871 | Antimony powder | 6.1 | III | |
| 2875 | Hexachlorophene | 6.1 | III | |
| 2876 | Resorcinol | 6.1 | III | |
| 2905 | Chlorophenolates or phenolates, solid | 8 | III | |
| 2923 | Corrosive solid, toxic, n.o.s. | 8 | III | |

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|------|---|-----|-----|--|
| 2967 | Sulphamic acid | 8 | III | |
| 3027 | Coumarin derivative pesticide, solid, toxic | 6.1 | III | |
| 3143 | Dye or dye intermediate, solid, toxic, n.o.s. | 6.1 | III | |
| 3146 | Organotin compound, solid, n.o.s. | 6.1 | III | |
| 3147 | Dye or dye intermediate, solid, corrosive, n.o.s. | 8 | III | |
| 3249 | Medicine, solid, toxic, n.o.s. | 6.1 | III | |
| 3253 | Disodium trioxosilicate | 8 | III | |
| 3259 | Amines or polyamines, solid, corrosive, n.o.s. | 8 | III | |
| 3260 | Corrosive solid, acidic, inorganic, n.o.s. | 8 | III | |
| 3261 | Corrosive solid, acidic, organic, n.o.s. | 8 | III | |
| 3262 | Corrosive solid, basic, inorganic, n.o.s. | 8 | III | |
| 3263 | Corrosive solid, basic, organic, n.o.s. | 8 | III | |
| 3283 | Selenium compound, solid, n.o.s. | 6.1 | III | |
| 3284 | Tellurium compound, n.o.s. | 6.1 | III | |
| 3285 | Vanadium compound, n.o.s. | 6.1 | III | |
| 3288 | Toxic solid, inorganic, n.o.s. | 6.1 | III | |
| 3345 | Phenoxyacetic acid derivative pesticide, solid, toxic | 6.1 | III | |
| 3349 | Pyrethroid pesticide, solid, toxic | 6.1 | III | |
| 3427 | Chlorobenzyl chlorides, solid | 6.1 | III | |
| 3438 | alpha-Methylbenzyl alcohol, solid | 6.1 | III | |
| 3439 | Nitriles, toxic, solid, n.o.s. | 6.1 | III | |
| 3453 | Phosphoric acid, solid | 8 | III | |
| 3457 | Chloronitrotoluenes, solid | 6.1 | III | |
| 3458 | Nitroanisoles, solid | 6.1 | III | |
| 3459 | Nitrobromobenzenes, solid | 6.1 | III | |
| 3460 | N-Ethylbenzyltoluidines, solid | 6.1 | III | |
| 3462 | Toxins, extracted from living sources, solid, n.o.s. | 6.1 | III | |

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|------|---|-----|-----|--|
| 3464 | Organophosphorus compound, toxic, solid, n.o.s. | 6.1 | III | |
| 3465 | Organoarsenic compound, solid, n.o.s. | 6.1 | III | |
| 3466 | Metal carbonyls, solid, n.o.s. | 6.1 | III | |
| 3467 | Organometallic compound, toxic, solid, n.o.s. | 6.1 | III | |

It is proposed that Code VW9/VV9 is deleted from Column (17) against these entries in Table A in Chapter 3.2 and bulk container codes BK1 and BK2 are added to Column (10). Through UN, consider amending 7.3.2.8 to read “These goods shall be carried in bulk containers which are leakproof or rendered leakproof, for example by means of a suitable and sufficiently stout inner lining.

14. Codes VW10 and VV10

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 3243 | Solid containing toxic liquid, n.o.s. | 6.1 | II | BK1, BK2 |
| 3244 | Solid containing corrosive liquid, n.o.s. | 8 | II | BK1, BK2 |

It is proposed that Code VW10/VV10 is deleted from Column (17) against these entries in Table A in Chapter 3.2.

15. Codes VW11 and VV11

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 3291 | Clinical waste, unspecified n.o.s. or (bio)medical waste, n.o.s. or regulated medical waste, n.o.s. | 6.2 | II | BK2 |

It is proposed that Code VW11/VV11 is deleted from Column (17) against this entry in Table A in Chapter 3.2.

16. Codes VW12 and VV12

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|-------------------------------------|-------|-----|--------------|
| 3257 | Elevated temperature liquid, n.o.s. | 9 | III | |

Codes VW13 and VV13

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|------------------------------------|-------|-----|--------------|
| 3258 | Elevated temperature solid, n.o.s. | 9 | III | |

Codes VW14 and VV14

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|--|-------|----|--------------|
| 2794 | Batteries, wet, filled with acid | 8 | | |
| 2795 | Batteries, wet, filled with alkali | 8 | | |
| 2800 | Batteries, wet, non-spillable | 8 | | |
| 3028 | Batteries, dry, containing potassium hydroxide solid | 8 | | |

Codes VW15 and VV15

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 2315 | Polychlorinated biphenyls, liquid | 9 | II | |
| 3151 | Polyhalogenated bi- or terphenyls, liquid | 9 | II | |
| 3152 | Polyhalogenated bi- or terphenyls, solid | 9 | II | |
| 3432 | Polychlorinated biphenyls, solid | 9 | II | |

It is proposed that Codes VW12/VV12 to VW15/VV15 inclusive are retained.

17. Codes VW16 and VV16

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 2912 | Radioactive material, low specific activity (LSA-I) | 7 | | |

Codes VW17 and VV17

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|--|-------|----|--------------|
| 2913 | Radioactive material, surface contaminated objects (SCO-I or SCO-II) | 7 | | |

As the two systems are the same and refer off to 4.1.9.2.3, it is proposed that Codes VW16/VV16 and VW17/VV17 are deleted from Column (17) and “see 4.1.9.2.3” is added to Column (10) against these entries in Table A in Chapter 3.2.

18. The following substances are listed in RID/ADR with UN Bulk Codes in Column (10) but not with RID/ADR Bulk Codes in Column (17).

| UN No. | Substance name | Class | PG | UN Bulk Code |
|--------|---|-------|----|--------------|
| 2814 | Infectious substance, affecting humans (animal material only) | 6.2 | | BK1, BK2 |
| 2900 | Infectious substance, affecting animals only (animal material only) | 6.2 | | BK1, BK2 |
| 3373 | Biological substance, Category B, (animal material only) | 6.2 | | BK1, BK2 |

19. It is proposed to delete the text of the following special provisions/VW/VV codes in 7.3.3 and replace with “(reserved)”:-

VW1/VV1 to VW11/VV11 inclusive, VW16/VV16 and VW17/VV17.