



Hazmat Helps

February 2009

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Changes to the 50th IATA DGR

1.5 – Training Requirements

1.5.5.3. A minimum period of 36 months following the last training date has now been specified for retention of dangerous goods training records.

2.7 – Dangerous Goods in Excepted Quantities. The requirements for excepted quantities have been revised to align with the provisions in the UN Model Regulations. This includes the assignment of an “EQ” code from E0 to E5 to identify if a substance is permitted in excepted quantities, in what quantity per inner packaging and per package. The current IATA Dangerous Goods in Excepted Quantities label has been replaced by a new excepted quantity marking.

2.9.2 and 2.9.4 – State and Carrier Variations. There are a number of additions, deletions and modifications to the variations.

3 – Classification

3.2.2.4. The exemption value for Division 2.2 gases has been revised to become 200 kPa (gauge) from the current value of 280 kPa (absolute).

3.9.2.4. The criteria for classification of environmentally hazardous substances has been aligned with the provisions of 2.9.3 of UN Model Regulations.

4 – Identification

4.1.3.2. Text detailing the classification and assignment of the proper shipping name for mixtures and solutions containing two or more dangerous goods have been revised to identify options where a mixture or solution may contain only very small quantities of one or more dangerous goods in an otherwise pure substance.

4.2 – List of Dangerous Goods.

The format of Table 4.2 has been revised to accommodate a new column for the “EQ” codes to identify maximum quantity per inner and outer packaging for dangerous goods in excepted quantities in accordance with Subsection 2.7. To accommodate the additional column, the columns for Class or Division (Column C) and subsidiary risk (Column D) have been combined into a single Column C. Any assigned subsidiary risk is shown in parentheses following the primary risk

Amendments to the List of Dangerous Goods include:

- the proper shipping name for UN 3090 – Lithium batteries, and UN 3091 – Lithium batteries contained in equipment and Lithium batteries packed with equipment have been revised to become **Lithium metal batteries, Lithium metal batteries contained in equipment and Lithium metal batteries packed with equipment.** New entries have been added for lithium ion batteries, which become UN 3480 – **Lithium ion batteries** and UN 3481 – **Lithium ion batteries contained in equipment and Lithium ion batteries packed with equipment.**
- Addition proper shipping names have been added.

4.4 – Special Provisions

Where the wording of a special provision is equivalent to that in the UN Model Regulations, the UN special provision number is shown in parentheses following the special provision number.

- The following special provisions have been added or changed: A45, A70, A112, A146, A161 - A164, and A224.



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Changes to the 50th IATA DGR (continued)

5 — Packing

5.0.2.11 – Revisions have been made to the provisions applicable to dangerous goods packed in the same outer packaging to address the situation where one or more of the dangerous goods are restricted by a gross weight rather than the net quantity.

Packing Instructions

Changes have been made to the following packing instructions: 200, 202, 203/Y203, 602

The following packing instructions have been added: 215/216/217, 495/496/497, 699, 873/874/875

Packing instruction 313, 903, 912, and 918 has been deleted.

Packaging instruction 435 has been replaced with 499.

7 — Marking & Labelling

7.1.4.2 – Has been clarified that the UN specification markings on packagings inside an overpack must not be reproduced on the outside of the overpack.

7.1.6.3 – Has been added to identify the marking requirements for packages containing environmentally hazardous substances, liquid or solid (UN 3077 or UN 3082). Included with this is a new Environmentally hazardous substances mark, Figure 7.1.B.

7.2.4.2 – Identifies that a redesigned Cargo Aircraft Only label has been introduced (Figure 7.4.C). The existing design label may continue to be used until December 31, 2012 to provide shippers, freight forwarders and operators with sufficient time to exhaust stock of the current label.

7.4.8 – The existing dangerous goods in excepted quantities label has been deleted. A new provision 7.4.8 has been added to reflect the handling label required for packages containing lithium metal or lithium ion batteries.

8 – Documentation

The provisions of Section 8 have been revised to allow the shipper to use electronic data transmission of the information required on the Shipper's Declaration in lieu of a paper document provided that the shipper has the agreement of the operator to accept electronic data transmission.

8.1.6.9.2(c) – The paragraph has been revised to identify that for dangerous goods where Table 4.2 shows "no limit" or has a packing instruction reference, the quantity shown on the Shipper's Declaration for substances must be the net quantity (weight or volume). For articles it must be the gross weight.

Appendix H – A new Appendix H has been added for this edition. This appendix contains the reformatted packing instructions that will come into effect January 1, 2011 for Classes 3, 4, 5, Division 6.1, Classes 8 and 9.

Appendix I – Is a listing by UN number and packing group that shows the existing packing instruction number and the new packing instruction number for limited quantity, passenger aircraft and Cargo Aircraft Only.

If you have additional questions, please contact Safety Specialists at 704-573-0955.