



SIGNIFICANT CHANGES AND AMENDMENTS TO THE 45TH EDITION (2004)

The 45th edition of the IATA *Dangerous Goods Regulations* incorporates all amendments made by the Dangerous Goods Board and includes changes advised, at time of printing, by ICAO to the 2003-2004 Edition of the ICAO *Technical Instructions*. The following list is intended to assist the user with identifying the main changes introduced in this edition and must not be considered an exhaustive listing. The changes have been prefaced by the section or subsection in which the change occurs.

Table 1.5.A — “and cargo” has been added to Key 5 to identify that persons involved in security screening of cargo should also be provided with dangerous goods training.

Table 2.1.A — This table has been deleted. The list of items previously shown in Table 2.1.A are all included in 4.2 — List of Dangerous Goods.

2.9.2 — State variations. Belgium variation BEG-03 containing the list of substances defined as explosives for the purposes of BEG-02 has been amended to include air bag inflators, air bag modules and seat belt pretensioners classified in Class 9, UN 3268.

United States variations, USG-01 and USG-13 have been modified to require that the shipper, and the operator first accepting a dangerous goods consignment, must retain a copy of the Shipper's Declaration for a minimum of 375 days. The US has added a new variation, USG-16, requiring that transport approval be obtained before air bag inflators, air bag modules and seat belt pretensioners are transported to, from or through the US.

2.9.4 — Operator variations. There have been a significant number of additions, deletions and modifications to the operator variations.

Sections 3.3 to 3.5 — Much of the additional material extracted from the *UN Manual of Tests and Criteria* contained in these sections that related solely to testing has been removed as they were of little value in the current format. Sections 3.4 and 3.5 have been reformatted to more clearly identify the requirements applicable to classification and determination of packing groups.

3.6.2—Specific reference has been included in the definition of Diagnostic Specimens to identify that substances being shipped for diagnostic or investigational purposes may contain, or be suspected of containing pathogens.

This reflects the text produced by ICAO at the end of 2002 clarifying the intent and application of the definition of diagnostic specimens. The Note in 3.6.2 also references the indicative list of pathogens contained in Appendix I.

Table 3.10.A — Revisions have been made to the precedence of hazards table. These changes reflect recent amendments made by ICAO to align with the *UN Model Regulations*.

4.2 — List of Dangerous Goods. A number of amendments have been made to the entries in 4.2. These reflect recent amendments by ICAO to the Technical Instructions and corrections issued by the UN to the *Model Regulations*. Of note are: d UN 1278 — The proper shipping name has been changed from “Propyl chloride” to “1-Chloropropane” d UN 1305 — The proper shipping name is now “Vinyltrichlorosilane”. Stabilized has been deleted from the proper shipping name. d UN 1350 — Sulphur. The limit per package was previously “no limit”. Limits now apply for



packages prepared under the limited quantity, passenger aircraft and Cargo Aircraft Only packing instructions.

5 — Packing Instructions

416 — Entries for UN numbers, 3364, 3365, 3366, 3367, 3368, 3369 and 3370 have been added to the table. These substances were added to 4.2 in the 44th edition of the DGR, but no corresponding entries were added to PI 416.

Y501 — The limitations for inner packagings for UN 3139 - Oxidising liquid, n.o.s. have been added.

650 — The minimum size requirements for packages have been amended to allow packages smaller than 100 mm (4 in) in the smallest overall dimension. However, packages must still be of a size such that one side is no smaller than 100 x 100 mm (4 x 4 in). The package markings are now required to just be “DIAGNOSTIC SPECIMENS”. This aligns the requirement with the UN requirements and reflects that PI 650 is now a multimodal standard. Additional wording has been added to reinforce that where dry ice or liquid nitrogen is used as a refrigerant, that all of the provisions applicable to those substances in these Regulations apply.

905 — Paragraph (a) has been amended to include provision for items previously shipped under the proper shipping name “Gas generator assemblies”. The proper shipping name “Gas generator assemblies”, ID 8013, was deleted from the 2003-2004 edition of the ICAO Technical Instructions, and consequently the 44th edition of the DGR, on the basis that these articles were no longer in existence. However, it was subsequently realised that these articles are still in use. They may now be shipped as “Life-saving appliances, self-inflating”.

7.1.5.1 — The requirements for marking the net quantity on packages and overpacks has been clarified.

7.1.5.8 — The requirement for the air eligibility marking has been revised by ICAO. The marking now applies to the “package” rather than the “packaging”. The placement of the marking is now standard for all packages.

7.2.4.5 — A “Keep Away From Heat” label has been introduced (7.4.6 and Figure 7.4.F) for packages containing substances self-reactive substances of Division 4.1 and organic peroxides subject to Special Provision A20. Application of this handling label is recommended from 2004, but will become mandatory from 1 January 2005.

8.1.6.9 — Sequence of Information. The note regarding a single sequence, commencing with UN number, being applicable from 1 January 2005 has been amended. The note now states that the objective will be to only allow a single sequence from 1 January 2007. This matter is being addressed through the UN to ensure that multimodal harmonisation is not impeded.

Appendix A — The definition for ‘Lithium battery’ has been revised to reflect that a battery is “one or more cells”. This change reflects the current provision in the *UN Manual of Tests and Criteria*.

Appendix B — Reference has been included at B.1.4 to identify that the European number format for showing decimal points, i.e. the comma, is acceptable.



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Appendix E — Contact details for competent authorities have been updated.

Appendix F — Minor changes to F.1 and F.2.

Appendix H — The list of Sales Agents and IATA Endorsed Training Schools have been revised.

Appendix I — Infectious Substances. This appendix provides advance information of the new requirements that will be applicable to infectious substances and diagnostic specimens with effect 1 January 2005. The appendix reflects the likely DGR requirements using the DGR section numbers. As identified, some of the information in the appendix is still subject to discussion and ratification.