



## **SIGNIFICANT CHANGES AND AMENDMENTS TO THE 51ST EDITION (2010)**

The 51<sup>st</sup> 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 2009-2010 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.

### **2 – Limitations**

**2.3 – Dangerous Goods Carried by Passengers or Crew.** The provisions for carbon dioxide, solid have been clarified to identify that marking and the design of packages to permit the release of carbon dioxide gas applies to both checked and carry-on baggage. “Blue flame”; or “cigar” lighters are added to the list of forbidden items as a point of clarification.

**2.9.2 – State Variations.** Belgium, Denmark and Russia have advised of amendments to their State variations.

**2.9.4 – Operator Variations.** There are a significant number of additions, deletions and modifications to the operator variations.

### **3 – Classification**

**3.1.2 –** The classification criteria for certain explosives in Division 1.4S has been modified to include an additional Test Series 6(d) as set out in Part I of the UN Manual of Tests and Criteria.

### **4 – Identification**

**4.1.3.1 –** Classification and assignment of a proper shipping name for mixtures and solutions has been amended to indicate that a mixture or solution of a predominant substance may contain trace amounts of other dangerous goods and still be classified and assigned to the UN number and proper shipping name of the predominant substance.

## 4.2 – List of Dangerous Goods

The format of Table 4.2 has been revised to remove the dashes from columns G and H when dangerous goods are not permitted in Limited Quantities and instead insert the word “Forbidden” across G/H as is done for columns I/J and K/L when substances or articles are forbidden on passenger aircraft and Cargo Aircraft Only.

Amendments to the List of Dangerous Goods include:

- addition of special provision A165 assigned to
  - UN 0323 ;
  - UN 0366 ;
  - UN 0441 ;
  - UN 0445 ;
  - UN 0455 ;
  - UN 0456 ;
  - UN 0460 ; and
  - UN 0500
- excepted quantity code E0 has been removed from all radioactive material in excepted package entries to avoid confusion. These entries are still not permitted as dangerous goods in excepted quantities, however the provisions for radioactive material, excepted package as set out in 10.3.11 do apply.

## 4.4 – Special Provisions

**A130** – for radioactive material, excepted package that also meets the definitions and criteria of other classes or divisions as defined in Section 3, the substance must be classified in accordance with the requirements applicable to the other risk. An example for how this should be described on the Shipper’s Declaration is shown in the special provision.

**A165** – against eight 1.4S explosives entries requires that for these items the new Test Series 6(d) as set out in Part I of the UN Manual of Tests and Criteria must be completed for transport aboard a passenger aircraft. This special provision becomes mandatory from 1 January 2010.

## 5 – Packing

**5.0.1.4** – has a note added that identifies that before a packaging is re-used that the closure instructions from the manufacturer as required by 6.0.1.4 must be met.

## **Packing Instructions:**

**650** – The wording for the information to be included on the Air Waybill have been revised to include the number of packages. This standardises the information to be shown on the Air Waybill with that for dangerous goods in excepted quantities, dry ice, etc. that don't require a Shipper's Declaration.

**965 – 970** – Based on the numerous questions on the transport of lithium batteries and lithium battery-powered equipment, the lithium battery packing instructions have been reformatted to more clearly set out the applicable requirements. The packing instructions are now set out into 3 main sections:

1. General requirements applicable to all batteries to which the packing instruction applies;
2. Section I fully regulated, Class 9, battery provisions; and
3. Section II excepted, small, battery provisions that once met, no other provisions of the Regulations apply.

## **6 – Packaging Specifications and Performance Tests**

**6.0.4.1** – The note requiring the UN specification mark to be embossed or printed directly on a package has been amended to allow other forms of marking. A recommended practice to include contact information when the marks are not printed or embossed has also been added. Handwritten specification marks are still not permitted.

## **7 – Marking & Labelling**

**7.1.4.2** – Has been clarified to show exactly which markings need to be on the outside of an overpack.

**7.1.5.1(d)** – Has been modified to clarify what is meant by “identical dangerous goods contents.”

**7.1.5.1(j)** – Has been added to include the environmentally hazardous substance mark requirements.

**7.1.6.3** – Has been modified to clarify when the marking requirements for packages containing environmentally hazardous substances, liquid or solid (UN 3077 or UN 3082) is not applicable. A note has been added to indicate that other regulations, e.g. International Maritime Dangerous Goods Code, may require the mark on packages containing substances other than UN 3077 and UN 3082.

## **8 – Documentation**

**8.1** – A new example Figure 8.1.O has been added, to show the appropriate method for describing a quantity of material that is a radioactive excepted package, that also meets the classification criteria of another class or division, as set out in Special Provision A130.

## **10 – Radioactive Material**

**10.7.1.4** – Has been clarified to show exactly which markings need to be on the outside of an overpack containing radioactive material.

**10.8.3.9.3** – Has been modified to show the required sequence for package dimensions (L)ength  $\times$ ; (W)idth  $\times$ ; (H)eight for packages categorised as II-Yellow or III-Yellow and the desired method has been added to example 10.8.E.

**Appendix D** – Contact details for competent authorities have been updated.

**Appendix E** – Changes to E.1 and E.2.

**Appendix F** – The list of Sales Agents and IATA Accredited Training Schools have been revised.

**Appendix H** – Appendix H in this edition includes all of the reformatted packing instructions that will come into effect 1 January 2011 for Classes 3, 4, 5, Division 6.1, Classes 8 and 9 as well as an indication of the other regulatory changes that will come into effect from 1 January 2011. The regulatory changes indicated are based on the changes that have been agreed by the United Nations Subcommittee of Experts and that have been adopted into the 16<sup>th</sup> revised edition of the *Recommendations on the transport of dangerous goods (Model Regulations)* as well as those that have been agreed for adoption by the ICAO Dangerous Goods Panel into the 2011-2012 edition of the *Technical Instructions*.