



## IATA Dangerous Goods Regulations

44<sup>th</sup> Edition  
Effective 1 January 2003

**ADDENDUM II**  
Posted October 2003

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 44<sup>th</sup> Edition, effective from 1 January 2003. This list includes the latest corrections and additions to the 2003 – 2004 ICAO Technical Instructions.

Wherever possible, change or amendments to existing text have been highlighted (in yellow - PDF or grey - hardcopy) to help identify the change or amendment.

### **New or Amended State Variations (Section 2.9.2)**

#### **Amend BEG (Belgium)**

**BEG-03** Amend list of UN numbers and Proper Shipping Names as follows:

Add

UN 3268 – **Air bag inflators** [917]

UN 3268 – **Air bag modules** [917]

UN 2059 – **Nitrocellulose solution, flammable** with 12.6% or less nitrogen, by dry weight, and 55% or less nitrocellulose [302, 303, 305, Y305, 307, 309, Y309, 310]

UN 3357 – **Nitroglycerin mixture, desensitized, liquid, n.o.s.★** with not more than 30% nitroglycerin, by weight [-]

UN 3343 – **Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s.★** with not more than 30% nitroglycerin, by weight [-]

UN 3319 – **Nitroglycerin mixture, desensitized, solid n.o.s.★** with more than 2% but not more than 10% nitroglycerin by weight [435]

UN 1204 – **Nitroglycerin solution in alcohol**

UN 3344 – **Penaerythrite tetranitrate mixture, desensitized, solid, n.o.s.★** with more than 10% but not more than 20% PETN, by weight [-]

UN 3268 – **Seat belt pretensioners** [917]

Delete:

UN 2956 – **5-tert-Butyl-2,4,6-trinitro-m-xylene** [-]

UN 2956 – **Musk xylene** [-]

**BEG-05** Add a new second paragraph:

This variation does not apply to the transport of carbon dioxide, solid (dry ice), UN 1845, when used for cooling purposes in combination with goods not subject to the Regulations. All other requirements of these Regulations concerning the transport of carbon dioxide, solid, remain applicable.

#### **Amend CAG (Canada)**

*Amend* fax number for the Canadian Nuclear Safety Commission shown prior to CAG-01 as follows:

Facsimile: +1 (613) 947-2054

**CAG-10** Amend address as follows:

Biohazard Containment, Safety and Facilities Management Division

Laboratories Directorate

Canadian Food Inspection Agency/CFIA

159 Cleopatra

Ottawa, Ontario CANADA K1A 0Y9

Telephone: +1 (613) 221-7021  
Facsimile: +1 (613) 228-6129  
<http://www.inspection.gc.ca/english/lab/bioc.html>

#### New **DQG (Fiji)**

- DQG-01** Radioactive material in any quantity may not be transported by aircraft to, from, within or over Fiji without prior permission of the Civil Aviation Authority of the Fiji Islands (CAAFI).
- DQG-02** A person must not handle or offer for transport explosives classified as Class 1 in the ICAO Technical Instructions to, from, within or over Fiji without prior permission of CAAFI. This includes ammunition for sporting weapons, Division 1.4S.
- DQG-03** Infectious substances, including diagnostic specimens or biological products are not permitted in national or international mail to, from, within or over Fiji.
- DQG-04** The English language shall be used for marking and labelling any form of dangerous goods documentation transported by air.

All questions and requests for permission or approval shall be lodged with CAAFI ten days prior to the proposed flight. The correspondence should be addressed to:

The Civil Aviation Authority of the Fiji Islands (CAAFI)  
Private Mail Bag  
NAP 0354  
Nadi Airport  
Fiji Islands  
Telephone: (679) 672-1555  
Facsimile: (679) 672-1500/(679) 672-5125

#### Amend **USG (United States)**

**USG-01** Amend the first paragraph as follows:

Transport of dangerous goods by air must be in accordance with United States' Regulations (49 CFR 171-180) or the ICAO *Technical Instructions* as limited by 49 CFR 171.11. The requirements of 49 CFR 175 apply to all shipments offered for air transport to, from, or within the United States, including when the shipment is prepared in accordance with these Regulations.

Add a new last paragraph:

A copy of the transport document or an electronic image thereof, must be retained by the shipper for not less than 375 days after the dangerous goods are accepted by the initial operator. Each shipping paper copy must include the date of acceptance by the initial operator, except that the date on the air waybill or bill of lading may be used in place of the date of acceptance by the initial carrier. For a hazardous waste, the transport document must be retained for three years after the waste material is accepted by the initial operator.

**USG-02** Amend the last sentence as follows:

A list of materials forbidden from transport in 49 CFR 172.101 (e.g. spent oxygen generators) is available via the internet at <http://hazmat.dot.gov/icaovar.htm>.

**USG-03** Add a second paragraph as follows:

Oxygen generators, chemical, transported under UN 3356 also require approval for transport by cargo aircraft. Prototype lithium batteries and cells transported in accordance with Special Provision A88, and organic peroxides and self-reactive substances that are not identified by a technical name in 49 CFR 173.225(b) must also be approved prior to transport.

**USG-06** Amend the last sentence of the first paragraph to read:

Portable tanks other than UN portable tanks manufactured outside the United States that meet the applicable requirements of the UN Model Regulations must be designed and approved in accordance with the requirements of 49 CFR 178.270 through 178.277.

Replace USG-07 with the following:

**USG-07** Lighters (cigarettes) or other similar devices containing flammable gas (e.g. lighters for fireplaces and torches) may not be transported to, from, or within the United States, unless the design of the device and its inner packaging have been examined by an approved testing agency and approved by the appropriate authority of the United States (See USG-01.)

An approval which was previously issued by the Bureau of Explosives (B of E) remains valid to the same extent as if it had been issued by the appropriate authority. Approval numbers issued by the B of E or the appropriate authority of the United States must be marked on each package and noted on each transport document.

**USG-13** Replace paragraph b) as follows:

- b) A copy of the transport document, or an electronic image thereof, must be retained by the initial operator for not less than 375 days after the dangerous goods are accepted by the initial operator. Each shipping paper copy must include the date of acceptance by the initial operator. The date on the shipping paper may be the date a shipper notifies the air carrier that a shipment is ready for transportation, as indicated on the airway bill or bill of lading, as an alternative to the date the shipment is picked up or accepted by the carrier. For a hazardous waste, the transport document copy must be retained for three years after the waste material is accepted by the initial operator.

Add New

**USG-16** Air bag inflators, air bag modules and seat-belt pretensioners may not be transported to, from, or within the United States, without prior approval by the appropriate authority of the United States (see US 1), Attention: Office of Hazardous Materials Exemptions and Approvals (DHM-30). Such approval remains valid for subsequent transport provided there is no change in its composition, design or packaging. Air bag inflators, modules and pretensioners that meet the criteria for a Division 1.4G explosive must be transported using the description, **Articles, pyrotechnic for technical purposes**, UN 0431. The dangerous goods transport document (Shipper's Declaration) must contain the EX number or product code for each approved inflator, module or pretensioner in association with the basic description required in 8.1.6.9.1. If product codes are used, they must be traceable to the specific EX number assigned to the inflator, module or pretensioner, as applicable, by the appropriate authority of the United States. The EX number or product code is not required to be marked on the outer package.

#### **New or Amended Operator Variations (Section 2.9.4)**

Amend **AF (AIR FRANCE)**

**AF-04** All blood products and biological specimens, human or animal origin, must be carried as Cargo. They are not permitted as baggage. They must be classified as UN 2814, Infectious substance affecting humans, (liquid or solid) or UN 2900, Infectious substances affecting animals (liquid or solid) both in Division 6.2 and packed according to Packing Instruction 602.

The only exception to this rule is human or animal blood and plasma free from any pathogen and destined for human or veterinary treatment.

In these cases the shipment must be classified as non-dangerous pharmaceuticals, life-saving drugs. The air waybill (AWB) must bear a detailed commodity description to enable identification.

**Amend DL (Delta Airlines)**

**DL-02** Show as "Not used."

**DL-03** Show as "Not used."

**DL-04** Show as "Not used."

**Amend LH (Deutsche Lufthansa/Lufthansa Cargo AG)**

**LH-02** (Same as WOW partner SK-07) Dangerous goods in consolidations will not be accepted for carriage, except for the following shipments:

- consolidations containing UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant
- consolidations with only one house air waybill
- consolidation with more than one house air waybill, in case of identical shipper.

**LH-04** Not used.

**LH-05** (Same as WOW partner(s) SK-03 & JL-10) UN specification packaging will not be accepted with handwritten UN specification markings on the package or on a sheet of paper affixed to the package. UN specification marking printed or stamped on the packaging or on a label affixed to the package are acceptable (see 6.0.4 Note 4)

**Add new**

**LH-08** (Same as WOW partner(s) SK-06 & SQ-08) The shipper must provide a 24-hour emergency telephone number of a person/agency who is knowledgeable of the hazards, characteristics and actions to be taken in the case of an accident or incident concerning each of the dangerous goods being transported. This telephone number, including the country and area code, preceded by the words "Emergency Contact" or "24-hour number", must be inserted on the DGD, preferably in the "Handling Information" box, e.g. Emergency Contact +47 67 50 00 00.

A 24-hour emergency telephone number is not required for shipments that do not require a Shipper's Declaration for Dangerous Goods.

**LH-09** If an article meets the requirements of Special Provision A26, A45, A67, A70, A98, A103, A114 or A800, the statement "Not Restricted – provisions of Axx are fulfilled" must be inserted in the "Nature and Quantity of Goods" box of the air waybill to indicate that it has been checked.

**LH-10** (Same as WOW partner SQ-06) Oxygen generators will not be accepted on any aircraft.

**LH-11** (Same as WOW partner SK-04) Single packagings containing liquid are not acceptable for carriage unless overpacked with, for example, a suitably sized wooden pallet to protect the base of the packaging (see all Packing Instructions for single packagings of liquids).

**LH-12** Diagnostic specimens offered for transport as cargo under UN 3373 must not contain any pathogens of risk group 2, 3 or 4. Any substances containing pathogens in these risk groups must be classified as infectious substances, UN 2814 or UN 2900, as applicable.

**Section 3**

Pg. 74 – 3.1.1, Note 1. Amend last sentence to read: "It is intended that these entries be used only when no other method of operation is possible."

Pg. 111 – Table 3.10.A. Amend rows 3 I\*, 3 II\* and 3 III\*, under columns 4.3 I, 4.3 II and 4.3 III to read:

Class or division	Packing Group	4.2	4.2	4.3	4.3	4.3
		II	III	I	II	III
3 I*				4.3, I	4.3, I	4.3, I
3 II*				4.3, I	4.3, II	4.3, II
3 III*				4.3, I	4.3, II	4.3, III

**Section 4**

- Pg. 119 – Table 4.1.A: Move the entry for UN 3372 from “Generic entries” to “Hazard entries”.
- Pg. 123 – Table 4.1.A: Add “UN 3373 **Diagnostic specimens**” to “Division 6.2 – Hazard entries”.
- Pg. 133 – 4.2: **Alkylphenols, solid, n.o.s.**, UN 2430, PG II. Revise column H to read “**1 kg**”.
- Pg. 191 – 4.2: **Gas cartridges** (flammable), UN 2037. In column I, replace “200” with “**203**”.
- Pg. 191 – 4.2: **Gas cartridges** (non-flammable), UN 2037. In column I, replace “200” with “**203**”.
- Pg. 191 – 4.2: **Gas cartridges** (oxidising), UN 2037. In column I, replace “200” with “**203**”.
- Pg. 240 – 4.2: **Receptacles, small, containing gas** (flammable), UN 2037. Delete “**Y203 / 1 kg**” in columns G & H.
- Pg. 240 – 4.2: **Receptacles, small, containing gas** (non-flammable), UN 2037. Delete “**Y203 / 1 kg**” in columns G & H.
- Pg. 240 – 4.2: **Receptacles, small, containing gas** (oxidizing), UN 2037. Delete “**Y203 / 1 kg**” in columns G & H.
- Pg. 243 – 4.2: **Rubber scrap**, UN 1345. Delete entries in columns G to L for Packing Group III.
- Pg. 243 – 4.2: **Rubber shoddy**, UN 1345. Delete entries in columns G to L for Packing Group III.
- Pg. 251 – 4.2: **Sulphur**, UN 1350. Amend columns G to L to read:  
**Y419 / 10 kg / 419 / 20 kg / 420 / 100 kg**
- Pg. 252 – 4.2: **Sulphur trioxide, stabilized**, UN 1829. Add “**A2**” to column M.
- Pg. 254 – 4.2: **Thiophosgene**, UN 2474. Add “**A2**” to column M.
- Pg. 255 – 4.2: **Titanium tetrachloride**, UN 1838. Add “**A2**” to column M.
- Pg. 263 – 4.2: **Vinyltrichlorosilane, stabilized**, UN 1305. Delete “**stabilized**” from Proper Shipping Name in Column B.
- Pg. 301 – 4.4: Amend Special Provision A76 to read “**Not used.**”

**Section 5** (PI = Packing Instruction)

Pg. 367 – PI 416: In the Inner Packagings table, add the following new entries after UN 3317:

Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Plastic bag	Glass ampoule	PPR (see below)
Spec.	IP1	IP2	IP3	IP3A	IP5	IP8	
Unit	kg	kg	kg	kg	kg	kg	
3364	0.5	0.5	No	No	No	0.5	9
3365	0.5	0.5	No	No	No	0.5	9
3366	0.5	0.5	No	No	No	0.5	9
3367	0.5	0.5	No	No	No	0.5	9
3368	0.5	0.5	No	No	No	0.5	9
3369	0.5	0.5	No	No	No	0.5	9
3370	0.5	0.5	No	No	No	0.5	9

Pg. 391 – PI Y501: In the Inner Packagings table, add the following new entry after UN 3099:

Desc.	Glass, Earthenware (IP1)	Plastic (IP2)	Metal (not aluminium) (IP3)	Aluminium (IP3A)	Glass ampoule (IP8)	PPR (see below)
Unit	L	L	L	L	L	
3139	0.1	0.1	0.1	No	0.1	2, 13

Pg. 501 – PI 905: Amend paragraph (a) to read:

“Division 2.2 gases, in cylinders that conform to the requirements of Packing Instruction 200; these may be connected to the life-saving appliance. These cylinders may include installed actuating cartridges (cartridges, power device of Division 1.4C and 1.4S) provided the aggregate quantity of deflagrating (propellant) explosives does not exceed 3.2 grams per unit. When the cylinders are shipped separately, they shall be classified as appropriate for the Division 2.2 gas contained and need not be marked, labelled or described as explosive articles;”

### **Section 7**

Pg. 564 – 7.2.2.3.1, amend 5<sup>th</sup> sentence to read: “Hazard labels **must** have a line..”

### **Section 10**

Pg. 652 – 10.6.2.2.5, revise subparagraph (b)(ii) to read:

- (b) the tests specified in.. and the tests in either;
- (i) 10.6.3.6.1.3 Drop Test 3.. Special Form radioactive material; or
  - (ii) 10.6.3.6.1.1 Drop Test 1 for all other packages;

**it would meet the following requirements:**

- retain sufficient...

### **Appendix A**

Amend definition to read: LITHIUM BATTERY A battery is ~~two~~**one** or more cells which are electrically connected together by a permanent means. A cell is a single encased electromechanical unit, which exhibits a voltage differential across its two terminals.

### **Appendix C**

Pg. 707 – Appendix C.2: tert-Butyl peroxy-2-ethylhexanoate with 2,2-Di-(tert-butylperoxy) butane, Concentration (%)  $\leq 12 + \leq 14$ , amend % Diluent type A to read “ **$\geq 14$** ”.