



## IATA Dangerous Goods Regulations

43<sup>rd</sup> Edition (English)  
Effective 1 January 2002

### ADDENDUM

Posted February 6, 2002

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 43<sup>rd</sup> Edition, effective from 1 January, 2002. This list includes the latest corrections and additions to the 2001 – 2002 ICAO Technical Instructions issued January 15<sup>th</sup> 2002.

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)**

##### **DKG-01 (Denmark)**

Amend: First bullet of (b) should read: in a Type B(U) package containing more than 3 000 A<sub>1</sub> or 3 000 A<sub>2</sub> or 1 000 TBq; **whichever is the lower, or**

##### **(New) EGG(Arab Republic of Egypt )**

**EGG-01:**The Transport of Dangerous Goods to, from, or through the ARE must comply with the following:

A – The transport must be in accordance with these regulations.

B – Prior approval is required for the transport of munitions of war, all explosives and radioactive materials except that intended for medical purposes to the Arab Republic of Egypt.

C – Prior approval is required for the transport of dangerous articles.

D – Substances that are not identified or specified in these regulations to any destination into the Arab Republic of Egypt.

**EGG-02:** The importation of radioactive materials to the Arab Republic of Egypt is subject to prior permission from:

The Executive Office of Radiation Protection,

22 Al Ekhshid Str.,

Manial El Roda,

Cairo, Egypt

Tel: 0020 2 3640 113/ 3544 186

Egyptian Atomic Energy Authority,

Nasr City

Tel: 0020 2 2740 237/2740 236

Fax: 0020 2 2740 238

##### **JPG-08 (Japan)**

Amend: All Type B(U) and Type B(M) packages, **and packages containing 0.1 kg or more of uranium hexafluoride** require both package design approvals and shipment approvals of the appropriate authorities of Japan.

##### **JPG-10**

Amend: Excepted radioactive material' must not be carried **in the cabin or cockpit of an aircraft**

**JPG-25**

New: Radioactive material means any material with a specific radioactivity greater than 74 Bq/g.

**JPG-26**

New: Neither packages containing fissile material nor packages having greater radioactivity than the following values shall be transported by air within the territorial airspace of Japan:

- 1) for special form radioactive material - 3000 A<sub>1</sub> or 100 000A<sub>2</sub>, whichever is the lower; or
- 2) for all other radioactive material - 3000 A<sub>2</sub>

**NLG-05 (Netherlands)**

Amend the third and fifth paragraph: As a minimum, **during the initial response phase after the accident or incident**, the following information on dangerous goods as cargo needs to be provided:

A copy or the information contained in it (hard copy or electronic copy) must be retained on the ground at a readily accessible location at **the aerodrome of scheduled** departure and arrival in the Netherlands until after the flight to which the written information refers.

**NLG-06**

New: National legislation in the Netherlands specifies that an operator shall not carry dangerous goods without the prior permission of the Civil Aviation Authority in the Netherlands (CAA-NL) and that when such goods are carried, it must be in compliance with the Technical Instructions. This applies to operators carrying dangerous goods to and from the Netherlands (excluding overflight). Permission is provided by the issuance of a dangerous goods license to the operator and it will only be provided if the operator is in the possession of staff, which received training in accordance with the provisions in the Technical Instructions. Application for a dangerous goods license shall be made at least six weeks before the date of the first flight on which dangerous goods are to be carried. An application form is available form:

Civil Aviation Authority Netherlands  
Division Flight Operations  
P.O. Box 575  
2130 AN Hoofddorp  
The Netherlands  
Telephone: +31 23 5663192  
Facsimile: +31 23 5663014

**USG-10 (United States)**

Amend: (h) Except for low specific activity material and surface contaminated objects, activity limits for Type A and Type B packages shall be limited in accordance with 49 CFR 173.431, 49 CFR 173.341 and the table of A<sub>1</sub> and A<sub>2</sub> values it references, 49 CFR 173.435, are available via the internet at <http://hazmat.dot.gov/radionuclide.pdf>. (see also Appendix A to these regulations).

**USG-14** Delete in it's entirety.

**ZAG -01 (South Africa)**

Amend: Air carriers must obtain standing or ad-hoc authority from the following authorities for the transport of the following classes of dangerous goods by air to, from or through South Africa:

**For A1, A2 and A109 approval:**

The Commissioner for Civil Aviation  
South Africa Civil Aviation Authority  
Private Bag X08  
Waterkloof 0145  
South Africa

Individual shippers must obtain a permit for the carriage of the following commodities in respect of each consignment before it is tendered for carriage to/from or through the airspace:

Explosives:

Chief Inspector of Explosives  
Private bag X624  
Pretoria 0001  
South Africa

Armaments and ammunition from:

A) The Commissioner  
South African Police Services  
Private Bag X94  
Pretoria 0001  
South Africa  
(See Note 1)

Or for military armaments and munitions of war:

B) The Director  
Directorate for Conventional Arms Control  
Private Bag X910  
Pretoria 0001  
South Africa

(See Note 2)

Note 1:

Where armaments and/or ammunition are to be used for non-military purposes only, e.g. sporting/hunting rifles and their ammunition, a permit has to be obtained from the Commissioner of the South African Police Services only.

Note 2:

Where armaments and/or ammunition are regarded as munitions of war or if they are to be used for military purposes, a permit has to be obtained from the Directorate for Conventional Arms Control only.

### **ZAG-02**

New: Transport of dangerous goods by air must be in accordance with these Regulations ICAO *Technical Instructions for the Safe Transport of Dangerous Goods by Air, 2001-2002 Edition* (Doc 9284). Failure to comply with the Technical Instructions and all relevant South African variation is a violation of the South African Civil Aviation Regulations, 1997.

Editorial note: The IATA dangerous Goods Regulations are fully in compliance with ICAO Annex 18 and its associated Technical Instructions (Doc 9284).

### **ZAG-03**

New: Oxygen generator, chemical, transported under UN3356, are forbidden on board passenger aircraft and require approval for transport by cargo

### **ZAG-04**

New: On shipments to, from or transiting through the republic of South Africa, the shippers declaration must include a 24 hour emergency response telephone number (including applicable area and international codes) for use in the event of an incident involving the dangerous goods.

The number must be monitored at all times by a person who:

1) is knowledgeable of the hazards and characteristics of the dangerous goods being transported; or

2) has immediate access to a person who possesses such knowledge and information.

**ZAG-05**

New: Radioactive material and infectious substances (including diagnostic specimens and biological products), are not permitted in mail either to, from or through the Republic of South Africa.

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

**AS-04 (Alaska Airlines)**

Amend: Class 7, radioactive material - for cargo aircraft only, class 7 radioactive materials for all-cargo aircraft will only be accepted in passenger aircraft quantities (total of 50 TI per aircraft and a maximum of 3 TI per package or overpack).

**(New) BD (British Midland)**

**BD-01** UN1845 Carbon Dioxide, Solid (Dry Ice) is restricted to 200kg per aircraft hold.

**(New) BW (West Indies Airlines)**

**BW-01**

BWIA shall not accept for carriage on its aircraft, substances with a primary or subsidiary risk of 6.1 in any form.

**CS (Continental Micronesia)**

**CS-01**

Amend: Class 1, Explosives will not be accepted for carriage.

(Exception: COMAT parts and supplies) (**See 3.1 and Packing Instructions 101-143**)

**CS-02**

Amend: Class-2 Division 2.1 Flammable Gases will not be accepted for carriage. (Exception: COMAT parts and supplies) (**See 3.2 and Packing Instructions 200-214**)

**CS-03**

Amend: Class-2 Division 2.3 Toxic Gases will not be accepted for carriage as a primary or subsidiary risk.

**CS-04**

Amend: Class-3 **NOT USED**

**CS-05**

Amend: Class-4, Flammable Solids; Substances Liable to Spontaneous Combustion; Substances Which in Contact with Water, Emit Flammable Gasses, will not be acceptable for carriage as a primary or subsidiary risk. (Exception: COMAT parts and supplies.

(See 3.4 and Packing Instructions 400-Y434)

**CS-06**

Amend: Class 5, Oxidizers and Organic Peroxides, will not be accepted for carriage as a primary or subsidiary risk. (Exception: Oxygen, Compressed, UN 1072, with a 5.1 subsidiary hazard) (See 3.5 and packing instructions 500-523)

**CS-07**

Amend: Class 6, Division 6.1, Toxic Substances, will not be accepted for carriage as a primary or subsidiary risk.

(See 3.6 and all 600 series Packing Instructions except 602, 622 and 650).

**CS-08**

New: Division 6.2 Infectious Substances will not be accepted for carriage as a primary or subsidiary risk. Infected animals, dead or alive, medical and clinical waste is strictly prohibited for carriage.

(Exception: Only Diagnostic Specimens will be accepted under advance arrangement and the following requirements must be met:

**(a)** Diagnostic Specimens are defined as any human or animal material, including, but not limited to excreta, secreta, blood and its components, tissue and tissue fluid collected for the purpose of diagnostics.

**(b)** All Diagnostic Specimens (known or reasonably expected to contain pathogens, or where a relatively low probability exist to contain pathogens) will only be transported for diagnostic or confirmatory purposes provided IATA Packing Instruction 602 is adhered to.

**(c)** Urine Diagnostic Specimens being transported for the purpose of illegal drug analysis may be shipped without restriction.

**KL (KLM)**

**KL-04** – Delete variation in it's entirety.

**KL-05** – Delete variation in it's entirety.

**(New) MH Malaysia Airlines**

**MH – 01** Advance arrangements must be made for all shipments of dangerous goods as defined in the Regulations. Dangerous goods without bookings will be rejected.

**MH – 02** Dangerous goods including infections substances, diagnostic specimen, biological products and radioactive materials are not accepted for carriage in mail.

**MH – 03** Salvage packaging shall not be accepted.

**MH – 04** Emergency response information, telephone or facsimile number of the consignee and shipper must be shown on the air waybill and on the outside of dangerous goods packages.

**MH – 05** Dangerous goods in consolidations will not be accepted for carriage except for the following shipments :

- consolidated shipments/consolidations containing carbon dioxide, solid (dry ice) when used as a refrigerant;
- one master air waybill with one house air waybill; or
- one master air waybill with more than one house air waybill from the same shipper and different consignees.

**MH – 06** Dangerous Goods in excepted quantities will not be accepted for carriage.

**MH – 07** All dangerous goods must be secured to prevent movement and damage.

**MH – 08** UN2803 Gallium, will not be carried under any circumstances.

**MH – 09** UN2211 polymeric beads, expandable will not be accepted for carriage.

**MH – 10** Class 8, Corrosive materials (Packing Group I & II) are not accepted for carriage.

**MH – 11** Class 1 - All kinds of explosives shall not be accepted for carriage, except substances and articles of Division 1.4S.

**MH – 12** UN3166 Vehicle (flammable liquid powered), motorcycles meant for carriage in the bulk hold of the aircraft must be drained off all fluids and the battery removed.

**MH – 13** Material Safety Data Sheet (MSDS) must be provided for Dangerous Goods in:

Class 3 - Flammable Liquids,  
Class 4 - Flammable Solids,  
Class 5 - Oxidizing Substances and Organic Peroxide and  
Division 6.1 - Toxic Substances

Material Safety Data Sheet must include the UN number, proper shipping name and other relevant transport information.

**NW-01 (Northwest Airlines)**

Replace existing variation with: All commercially offered Dangerous Goods shipments may be accepted by Northwest Airlines Cargo except as noted in NW-02 and NW-03. Shipments will only be accepted on passenger flights from those shippers that have made application, been approved by NWA Cargo and are assigned an Authorization Number. The Authorization Number must be included on all documentation and packages. For each shipper, only those classes and divisions of dangerous goods approved by NWA Cargo will be allowed on NWA passenger flights. All dangerous goods shipments are subject to advance arrangements. Approval must be obtained from the Manager of Dangerous Goods, Cargo Operations at Headquarters [1 (612) 727-7024] or his designate.

**NW-02**

Replace existing variation with: Shipments bearing a toxic gas label (Division 2.3) will not be accepted for carriage under any circumstances

**NW-03**

Replace existing variation with: Except for company material COMAT, shipments comprised solely of Lithium Batteries (UN 3090 and (UN 3091) offered as non-dangerous under Special Provision A45 will not be accepted. Lithium or Lithium Ion Batteries not regulated under Special Provision A45 and installed in or packaged with electronic devices such as laptop computers, cameras, cell phones, pagers, etc. are not subject to this variation and are acceptable for carriage as not regulated.

**(New) UX Air Europa**

The following items will be prohibited on Air Europa Flights from 01/01/2002:

**UX-01** Dangerous Goods in excepted quantities.

**UX-02** Dangerous Goods in limited quantities.

**UX-03** Dangerous Goods in consolidated package.

**UX-04** Dangerous Goods in which the primary or secondary hazard belongs to 6.1 division.

**UX-05** Dangerous Goods of which the primary hazard is 4 (4.1, 4.2, 4.3)

**UX-06** Dangerous Goods of which the primary hazard belongs to division 5.2.

**UX-07** UN1787 Hydriodic acid; UN1798 Nitrohydrochloric acid; UN2803 Gallium; UN3090 and UN 3091 Lithium batteries contained in equipment.

**UX-08** Hazardous waste in any form, as defined ny any regulation will not be accepted for carriage.

**UX-09** Salvage packagings.

**UX-10** Radioactive material type B (U), BAE, C and OCS.

**UX-11** Fissile radioactive material.

## **Section 2**

Pg. 15 - 2.3.5.1 **Medicinal or Toilet Articles**: Amend first paragraph to read:  
Non-Radioactive medicinal or toilet articles (including aerosols). **Also** aerosols in Division 2.2, with no subsidiary risk, for sporting or home use, in checked baggage only.

Pg. 17 – Table 2.3.A 2<sup>nd</sup> paragraph on main text area of table – Amend first paragraph to read:  
**Non-Radioactive medicinal or toilet articles** (including aerosols). **Also** aerosols in Division 2.2, with no subsidiary risk, for sporting or home use, in checked baggage only.

## **Section 3**

Pg. 78 – 3.4.1.3.2 Sentence after (c) First UN number should be **2956** and not **2596**.

## **Section 4**

Pg. 108 - 4.1.3.1 Delete the word “**containing**” in the last sentence.

Pg. 109 – 4.1.3.2 First paragraph and last sentence. Change the word “**must**” to “should”.

Pg. 144 – 4.2 Amend: Chlorodinitrobenzol to add, see **Chlorodinitrobenzenes, liquid/solid** (UN1577)

Pg. 154 – 4.2 Add: 2-Diazo-1-naphtol-4-sulphochloride and 2-Diazo-1-naphtol-5-sulphochloride. Both are Forbidden on Passenger and Cargo Aircraft and Cargo Aircraft Only.

Pg. 160 – 4.2 Add: Dimethylhexane dihydroperoxide, more than 82% with water. Both are Forbidden on Passenger and Cargo Aircraft and Cargo Aircraft Only.

Pg. 208 – 4.2 Amend: Orthophosphoric acid to add, see **Phosphoric acid, liquid/solid** (UN1805)

Pg. 234 – 4.2 Amend: Sulphuric anhydride to add, see **Sulphur trioxide, stabilized** (UN1829)

## **Section 5**

Pg. 359 & 360 – Packing Instruction 427, 428, 429 & 430 – Amend 4<sup>th</sup> paragraph to read: Self-reactive substances of Division 4.1 must be protected from direct sunlight or stowed away from all sources of heat in a well ventilated area ~~and not over-stowed with other cargo~~. The mandatory additional handling information required by 8.1.6.11.1 must appear on the Shipper's Declaration.

Pg. 398 – Packing Instruction 605 – Add UN1694 as per tables below:

<b>INNER PACKAGING</b>						
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Glass ampoule	PPR (see below)
UN1694	F	F	0.5	F	0.5	6,8

<b>SINGLE PACKAGINGS</b>								
Desc.	Drums			Jerricans		Composites	Cylinders	PPR (see below)
	Steel	Aluminium	Plastic	Steel	Plastic	Plastic		
UN1694	F	F	F	F	F	F	F	

Pg. 440 – Packing Instruction 809 – Add UN2308 as per table below:

<b>INNER PACKAGINGS</b>						
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Glass ampoule	PPR (see below)
UN2308	1.0	1.0	1.0	F	0.5	2,5,13

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Pg. 443 – Packing Instruction Y809 – Add UN2308 as per table below:

<b>INNER PACKAGINGS</b>						
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Glass ampoule	PPR (see below)
UN2308	0.1	0.1	0.1	F	0.1	2,5,13

Pg. 448 – Packing Instruction 813 – Add UN2308 as per table below:

<b>INNER PACKAGINGS</b>						
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Glass ampoule	PPR (see below)
UN2308	2.5	2.5	2.5	F	0.5	2,5,13

Pg. 450 – Packing Instruction 813 – Add UN2308 as per table below:

<b>SINGLE PACKAGINGS</b>								
Desc.	Drums			Jerricans		Composites	Cylinders	PPR (see below)
	Steel	Aluminium	Plastic	Steel	Plastic	Plastic		
UN2308	✓	F	✓	✓	✓	✓	✓	5

Pg. 461 – Packing Instruction 819 – Add UN1805 as per table below:

<b>INNER PACKAGING</b>					
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Glass ampoule	PPR (see below)
UN1805	2.5	2.5	2.5	0.5	5

Pg. 462 – Packing Instruction Y819 – Add UN1805 as per table below:

<b>INNER PACKAGING</b>					
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Glass ampoule	PPR (see below)
UN1805	0.5	0.5	0.5	0.5	5,13

Pg. 465/6 – Packing Instruction 821 – Add UN1805 as per tables below:

<b>INNER PACKAGING</b>					
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Glass ampoule	PPR (see below)
UN1805	5.0	5.0	5.0	0.5	5

<b>SINGLE PACKAGINGS</b>							
Desc.	Drums		Jerricans		Composites	Cylinders	PPR (see below)
	Steel	Plastic	Steel	Plastic	Plastic		
UN1805	✓	✓	✓	✓	✓	✓	5

Pg. 492 – Packing Instruction 916 – Delete entire paragraph “~~The machinery or apparatus or the packaging in which it is contained must be labelled according to each hazard contained therein. This includes the primary hazard label and any subsidiary risk applicable. If a subsidiary risk has already been indicated by the primary class or division label or a subsidiary risk label for another substance in the machinery or apparatus, such subsidiary risk label is not required.~~”

Amend sentence: Package orientation (“This Way Up”) labels ~~(see 7.3.22 and 7.3.23)~~ (see 7.4.4 and 7.4.5).

## **Section 8**

Pg. 538 – 8.1.3.3 Amend first sentence – Delete word “containing” and Amend last sentence – Change “must” to “should”.

Pg. 540 – 8.1.6.9.1 Step 2 – Delete entire 2<sup>nd</sup> paragraph “~~For “Dangerous Goods in machinery or apparatus”, the class or division of each of the dangerous goods contained therein.~~”



## **Section 10**

Pg. 584 – Table 10.4.A – 5<sup>th</sup> Column title should read: Activity concentration for exempt material **Bq/g**.

Pg. 625 – Figure 10.8.D Shipper's Declaration Completion – Example 2: Amend x 925 GBq to **x1925 GBq**.

### **Related Services**

Update to schools list

Pg. 734 – CANADA – Air Ocean Logistiks,  
555 Marshall Ave,  
Dorval, Quebec, Canada. H9P 1E1  
E-mail: [smdg@qc.aira.com](mailto:smdg@qc.aira.com)  
(Contact numbers remain the same)

Pg 734 – AUSTRALIA  
Name change:  
From: Mayne Nickless Limited  
To: Mayne Group Limited.

Pg 735 FINLAND  
Delete in it's entirety:  
AEL Logistics and Transport

Pg. 736 INDIA  
GP's Institute for Dangerous Goods - Contact numbers change:  
Tel +91 (11) 275 - 4244  
+91 (11) 279 – 4182  
Fax: +91 (11) 279 4244

Pg 738 USA  
Delete in it's entirety:  
Danzas AEI Intercontinental

Pg 738 USA  
Becky Kummer School – Contact address and numbers change:  
101 Lakeshore Drive,  
Foristell, Missouri. 63348  
USA  
Tel: +1 (636) 673-2013  
Fax: +1 (636) 673-1114

Pg 739 USA  
Delete in it's entirety:  
McLaren Hart Inc.

Pg. 740 UNITED STATES –  
Delete in it's entirety:  
Rice Services Institute Inc.

Pg. 761 DG Checklist for a Radioactive Shipment: Add a box in the “No” column of # 8.

**Dangerous Goods Hazard and Handling Labels Poster:** (2<sup>nd</sup> to last page of the DGR manual)

The incorrect poster was included in the 43<sup>rd</sup> edition.

- Class 7 should show a “Criticality Safety Index” Fissile label
- The Secondary Hazard Labels are identical to the Primary Hazard Labels and should display the appropriate Class and or Division number.