



IATA Dangerous Goods Regulations

48th Edition (English)
Effective 1 January 2007

ADDENDUM
Posted 2 August 2007

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 48th Edition, effective from 1 January 2007.

Where appropriate, changes 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 CHG (Switzerland)

CHG-03 According to the “Radiological protection ordinance” all transport of radioactive materials, except radioactive material in excepted packages from, to or in transit through Switzerland, is subject to a general authorization issued to the operator by the Federal Office of Public Health, Division of Radioprotection, 3003 Berne, Switzerland, Fax: +41 (31) 322 83 83. Further information may be obtained from SUVA, **B.J. Mueller**, 6002 Lucerne, Switzerland, Telephone: +41 (41) **419 54 07 419 61 33**, Fax: +41 (41) 419 62 13 (2.6, 10.8.3.9.4, 10.10.3).

Amend FRG (France)

FRG-01 **Not used.**

Amend ING (India)

ING-01 **Dangerous goods may be carried to/from/within/over India provided that the operator is certified by the State of the operator to carry such goods and also that all the requirements specified in the ICAO Technical Instructions are complied with.**

New

ING-02 For transportation of radioactive materials to/from/within India (not over India), the operator must ensure that the consignor/consignee is in possession of authorization issued by the Government of India in pursuance of Section 16 of the Atomic Energy Act, 1962. Application for permission for carriage of radioactive material may be made at the following address:

Atomic Energy Regulatory Board
Radiological Safety Division
Niyamak Bhavan,
Anushakti Nagar,
Mumbai — 400 094
INDIA

ING-03 For carriage of arms, ammunition and munitions of war etc., to, from or over India, written permission under rule 8 of the Aircraft Rules, 1937, shall be required. Application for such permission may be addressed to:

Director General of Civil Aviation
Opp. Safdarjung Airport
New Delhi — 110 003
INDIA

New **MOG (Macao)**

MOG-01 Operators wishing to carry dangerous goods in aircraft to, from or over Macao, China must obtain prior written permission from the Civil Aviation Authority — Macao, China.

Further information may be obtained from:

Flight Standards
Alameda Dr. Carlos D'Assumpção, 336-342
Centro Comercial Cheng Feng, 18^o andar
Macao, China

Tel: +853 2833 8089
Fax: +853 2851 1213

Amend **MYG (Malaysia)**

MYG-01 Operators wishing to carry all classes of dangerous goods from, over or to the territory of Malaysia must obtain prior written permission from the Director General, Department of Civil Aviation, Malaysia (see Subsection 2.6, 8.1.6.9.4 and 8.3). Requests for approval should be addressed to:

The Director General
Department of Civil Aviation, Malaysia
Level B1, 1, 2 & 3, Block D5, Parcel D 1-4, Block Podium
Lot 4G4, Precinct 4
Federal Government Administrative Centre
62502 62570 Putrajaya
MALAYSIA
Tel: +60 3 8886 6000
Fax: +60 3 8889 1541
AFTN: WMKKYAYT WMKKYAYX

MYG-02 The transport of radioactive material by air to or from Malaysia will be considered for approval by the Director General, Department of Civil Aviation, Malaysia, provided prior permit or approval from the Atomic Energy Licensing Board of Malaysia has been obtained (see 2.6, 10.8.3.9.4, 10.10.3). Application for a permit or approval from the Atomic Energy Licensing Board of Malaysia can be made at the following address:

Prime Minister's Department
The Atomic Energy Licensing Board of Malaysia
Ministry of Science, Technology and Innovation
12th and 13th Floors-Batu 24, Jalan Dengkil
Plaza Pekeliling, No. 2
Jalan Tun Razak
50400 Kuala Lumpur 43800 Dengkil, Selangor
MALAYSIA
Tel: +60 3 8928 4100
+60 3 8926 7699
Fax: +60 3 8922 3685

Amend **NZG (New Zealand)**

NZG-01 Not used.

NZG-02 Not used

New **PLG (Poland)**

PLG-01 Transport of spent nuclear fuel or radioactive waste to, from, through or over the territory of Poland will not be accepted without permission by the President of the Civil Aviation Office after consultation with the President of the National Atomic Energy Agency. The applications should be sent to:

Civil Aviation Office
ul. Żelazna 59
00-848 Warszawa
POLAND

Amend **USG (United States)**

USG-15 Amend paragraph 2, subparagraph (d), as follows:

- (d) Each cylinder must conform to the requirements identified in US variation USG-06 and when loaded into a passenger-carrying aircraft or in an inaccessible cargo location of a cargo-only aircraft must be placed in an **outer packaging or an overpack conforming that conforms** to the performance criteria of Air Transport Association (ATA) Specification 300 for Category I shipping containers.

Amend paragraph 3, subparagraph (c), as follows:

- (c) Each cylinder must conform to the requirements identified in US variation USG-06 and must be **overpacked. The overpack must conform placed in an outer packaging or an overpack that conforms** to the performance criteria of Air Transport Association (ATA) Specification 300 for Category I;

New or Amended Operator Variations (Section 2.9.4)

Amend **CI (China Airlines)**

CI-03 Dangerous goods in consolidations will not be accepted for carriage, except for:

1. consolidations having one master air waybill with one house air waybill; or
2. consolidations having **one master air waybill with more than one house air waybill which have the same shipper and different consignees** containing only dangerous goods; or
3. consolidations having **multiple house air waybills with different shippers/consignees containing ID 8000 – Consumer commodity and/or UN 1266 – Perfumery products;** or
4. consolidations having multiple house air waybills with **different shippers/consignees** containing ID 8000 and/or UN 1266 mixed with general cargo.

(see 1.3.3, 8.1.2.4, 9.1.6 and 10.8.1.5)

Amend **CO (Continental Airlines)**

CO-10 In addition to the forbidden items in Section 2.9 State Variations and 4.2 List of Dangerous Goods, the following substances are forbidden for transport on Continental **Micronesia Airlines**:

- UN 3090 — Lithium batteries, non-rechargeable (primary) and rechargeable lithium batteries. This also applies to the primary batteries exempted by Special Provision A45.

Amend **CX (Cathay Pacific)**

CX-04 The shipper must provide a 24-hour emergency telephone number of a person who is knowledgeable of the hazard, characteristics and actions to be taken in case of an accident or incident. The telephone number must include the country and area code.

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

Note:

Contact for additional information or operator approval is:

Cargo Services Manager
Quality, Safety and Security
Cargo Department
9/F South Tower, Cathay Pacific City
Hong Kong International Airport
Hong Kong
Tel: +852-2747 7164
Fax: +852-2141 7164
Teletype: HDQDGCX
E-mail: cgo#dgr@cathaypacific.com

New **CZ (China Southern)**

CZ-01 Dangerous goods in excepted quantities will not be accepted.

CZ-02 Dangerous goods in consolidations will not be accepted, except for:

- Consolidations containing UN1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;
- Consolidations with only one house air waybill.

CZ-03 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.

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

CZ-04 Cold storage for dangerous goods is not available, except for Carbon dioxide, solid (Dry ice) when used as a refrigerant.

CZ-05 CSN will not consign sales agents to accept or handle dangerous goods in China.

CZ-06 Division 2.3, Toxic gases, will not be accepted.

CZ-07 Only radioactive material Category I-White and Category II-Yellow will be accepted.

CZ-08 UN3090 Lithium batteries. Primary (non-rechargeable) lithium batteries will not be accepted for carriage on a passenger aircraft as cargo. This prohibition also applies to primary lithium batteries excepted from the Regulations by Special Provision A45.

Amend **FX (Federal Express)**

FX-01 Class 1 articles and substances will not be accepted for carriage outside the USA without pre-approval (see **Packing Instructions 101–143**). FedEx Express will not accept for carriage any explosives assigned to Division 1.3.

Amend **JL (Japan Air Lines)**

JL-06 Magnetized materials will not be carried aboard an aircraft if the net weight of the magnet itself exceeds:

- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment — (B-747F or B-747 aircraft);
- ~~1,200 kg or 2,440 lb in one Unit Load Device (ULD) — (DC-10 or MD-11 aircraft);~~
- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment — (B-767F or B-767 aircraft);
- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment — (B-777 aircraft);
- 600 kg or 1,320 lb in one aircraft — (B-737 aircraft).

(see Packing Instruction 902.)

JL-09 Dangerous Goods in single packagings of UN specification "1A1 steel drums" and "3A1 steel jerricans", will not be accepted unless overpacked with, for example, suitably sized wooden pallets to protect at least the top and bottom of the packaging.

Amend **KA (Hong Kong Dragon Airlines (Dragonair))** (All KA variations have been aligned with CX variations)

KA-02 All combination packagings containing liquid dangerous goods in Packing Groups I, II or III must contain sufficient adsorbent material to absorb the entire contents of all the inner packagings (see 5.0.2.12.2.)

KA-03 Dangerous goods packed in metal drums (1A1, 1A2, 1B1, 1B2, 1N1 & 1N2) and the following composite packagings (6HA1 & 6HB1) are not acceptable for carriage unless a strong overpack is used (see 5.0.1.5).

KA-04 The shipper must provide a 24-hour emergency telephone number of a person who is knowledgeable of the hazard, characteristics and actions to be taken in case of an accident or incident. The telephone number must include the country and area code.

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

Note:

Contact for additional information or operator approval is:

Cargo Services Manager
Quality, Safety and Security
Cargo Department
9/F South Tower, Cathay Pacific City
Hong Kong International Airport
Hong Kong
Tel: 852-2747 7164
Fax: 852-2141 7164
Teletype: HDQDGCX
E-mail: cgo#dgr@cathaypacific.com

KA-05 Not used.

KA-06 Not used.

KA-07 Not used.

New **KQ (Kenya Airways)**

KQ-01 Dangerous goods in consolidations will not be accepted for carriage except for:

- i. ID 8000 Consumer Commodity;
- ii. UN 1845 Carbon dioxide, solid or dry ice when used as a refrigerant for non-dangerous goods consignments.

KQ-02 Dangerous goods in excepted quantities will not be accepted for transport.

KQ-03 Dangerous goods in airmail will not be accepted for transport.

KQ-04 Dangerous goods shipments bearing Toxic gas labels (Div 2.3) will not be accepted for carriage.

KQ-05 The shipper must provide a 24-hour emergency telephone number of a person that has knowledge of the hazards, characteristics and action to be taken in the event of an accident or incident concerning all dangerous goods being transported by air. The telephone number, which must include the country and area code, should be shown in the additional handling information box of the shipper's declaration for dangerous goods and on the package.

KQ-06 Salvage packages will not be accepted for carriage.

KQ-07 Interline transfer of dangerous goods will not be accepted unless a copy of the acceptance checklist accompanies the consignment together with the shipper's declaration for dangerous goods and the air waybill.

Amend **LG (Luxair)**

LG-02 Radioactive material is accepted for carriage on passenger aircraft with a maximum transport index (T.I.) of 2 per aircraft (see 9.3.10.3 and 10.5.17)

Radioactive material is forbidden on Embraer and DHC8-400 aircraft, with the exception of UN 2908, UN 2910 and UN 2911 (Radioactive material, excepted packages).

Amend **MP (Martinair)**

MP-03 When a Shipper's Declaration is required, three (3) copies must be provided with each shipment. If a shipment is transferred to MP by another operator, then two (2) originals must accompany the Air Waybill.

New **MU (China Eastern Airlines)**

MU-01 Fissile Material will not be accepted.

MU-02 Dangerous goods in consolidations will not be accepted, except for:

- Consolidations containing UN1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;
- Consolidations with only one house air waybill.

MU-03 Dangerous goods in airmail originating from China will not be accepted for carriage.

MU-04 Fireworks originating from China will not be accepted for carriage.

MU-05 Small gaseous oxygen or air cylinders required for medical use are not permitted in passenger checked or carry-on baggage. Should a passenger require supplementary oxygen, a prior request must be made to China Eastern Airlines.

New NW (Northwest Airlines)

NW-06 Lithium batteries, the following provisions apply to primary (non-rechargeable) lithium metal batteries and secondary (rechargeable) lithium ion batteries:

- (a) Primary lithium (metal) batteries, including those primary lithium batteries meeting the provisions of Special Provision A45, must be shipped as UN 3090 - Lithium batteries and will only be accepted when tendered as Cargo Aircraft Only (CAO) consignments. The only exception for primary lithium batteries is where the batteries are contained in equipment, which may be shipped in accordance with Special Provision A45(e);
- (b) Secondary (rechargeable) Lithium Batteries (UN 3090) and rechargeable lithium batteries transported under Special Provision A45 are acceptable on both passenger and cargo aircraft, under the provisions listed in NW-01. The Additional Handling Information box on the Shipper's Declaration, or Air Waybill as applicable, must clearly indicate that the lithium batteries are secondary (rechargeable)

New OO (SkyWest Airlines)

OO-01 Commercial shipments of dangerous goods are limited only to UN 3373 Category B infectious substances. UN 3373 will be accepted subject to the following criteria:

- Appropriate dry ice packaging requirements are followed
- Each package must be labelled that DRY ICE is present.
- Maximum quantity per package must not exceed 4 kg for solids and 4L for liquids.

New OU (Croatia Airlines)

OU-01 Advance arrangements must be made for all shipments of dangerous goods as defined in these Regulations (see 1.3.2 and 9.1.1).

OU-02 Small gaseous oxygen or air cylinders required for medical use will only be accepted empty as checked baggage. Should a passenger require supplementary oxygen, this will be provided by the operator at a cost with prior arrangements (see 2.3.4.1).

OU-03 Wheelchairs or other battery-powered mobility devices with spillable batteries will not be accepted for carriage (see 2.3.2.4 and 9.3.15).

OU-04 Dangerous goods in "Limited Quantities" ("Y" Packing Instructions) will not be accepted for carriage (see 2.8. and all Y Packing Instructions).

OU-05 Dangerous goods in excepted quantities will not be accepted for carriage (see 2.7).

OU-06 Biological Substances Category B (UN3373) will not be accepted in airmail.

OU-07 Oxygen generators will not be accepted.

OU-08 Salvage packagings will not be accepted.

OU-09 Class 7, fissile radioactive materials will not be accepted.

OU-10 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 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 in Additional Handling Information box of DGD (see 8.1.6.11 or 10.8.3.11).

OU-11 Explosives will not be accepted for carriage, except substances and articles of Division 1.4S (see 5.1).

OU-12 Infected animals, dead or alive, will not be accepted for carriage.

OU-13 Dangerous Goods are not accepted on ATR-42 type of the aircraft, except Dry Ice in limited quantities as a refrigerant for perishable goods.

OU-14 Dangerous goods in consolidations will not be accepted for carriage, except for UN1845, Carbon dioxide, solid (dry ice) when used as a refrigerant (see 8.1.2.4).

OU-15 Self-inflating rafts, aircraft survival kits, or evacuation slides, are limited to not more than one per aircraft, packed in accordance with Packing Instructions 905.

OU-16 Biological Substances Category B UN 3373 (human or animal) will only be accepted if assigned to UN2814 or UN2900 as appropriate.

Note: Biological Substances Category B (UN3373) are not permitted for transport in checked or carry – on baggage and must not be carried on a person.

The only exceptions to this variation are:

- Any tissues or organs intended for use in human or animal transplantation;
- Pathogen-free blood or blood components collected for transfusion or for the preparation of blood to be used for human or animal transfusion or transplantation.

In these cases, the air waybill must bear a detailed description to enable identification as non-regulated material (see Packing Instruction 602 and 8.2)

New OZ (Asiana Airlines)

OZ-01 Advance arrangements must be made for all shipments of dangerous goods as defined in the Regulations. Dangerous goods without booking will be rejected.

OZ-02 Dangerous goods in consolidations will not be accepted for carriage, except for:

1. consolidations having one master air waybill with one house air waybill; or
2. consolidations containing UN1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant for non-dangerous goods.

OZ-03 Class1, Explosives are acceptable for carriage provided that prior approval has been received from Asiana Airlines. This does not apply to COMAT part and supplies and small quantities of ammunition in passenger baggage permitted by 2.3.2.2.

Contact for additional information or operator approval is:

Asiana Airlines, Cargo Service Team
P.O. Box 400-340
2165-160 Woonseo-Dong Joong-Gu,
Incheon, Korea
Fax: +82-32-744-2779
E-mail: aacy@flyasiana.com

OZ-04 Class 3, Flammable liquids in Packing Group I will not be accepted for carriage.

OZ-05 Oxygen generator, chemical - UN3356 will not be accepted for carriage.

OZ-06 Class 7, Radioactive Material: Type B(M), Fissile Material and Type C packages will not be accepted for carriage.

OZ-07 Class 7, Radioactive Material: Type B(U) packages will only be accepted for carriage on cargo aircraft.

Add new PG (Bangkok Airways)

PG-01 Dangerous goods, as defined by these Regulations, will not be accepted for carriage, with the exception of those articles and substances permitted for passengers and crew (**see 2.3 and Table 2.3.A**).

PG-02 Commercial shipments of dangerous goods will not be accepted. Properly prepared company material (COMAT), aircraft spares shipments will be accepted (**see 2.5.2**).

Note: Contact for additional information, evaluation or operator approval is:

Jirapon Hirunrat (Mr.)
Senior Flight Operations Control Manager
BANGKOK AIRWAYS CO., LTD.
2FL, Bangkok Air Operations Complex
999 Mu. 4 Bangna- Tart Road, Bangchalong
Bangplee, Samutprakarn
10540 THAILAND

Tel: +662 328 3309, +662 328 3306

Fax: +662 325 0647

E-mail: jirapon@bangkokair.com

E-mail: bkkoccc@bangkokair.com

AFTN: VTBSBKPX

SITA: BKKOCPG

Amend **QK (Air Canada Jazz)**

QK-01 Not used.

Amend **SQ (Singapore Airlines / Singapore Airlines Cargo)**

SQ-01 Only explosives of Division 1.4S packed for "Passenger and Cargo Aircraft" or "Cargo Aircraft Only" may be accepted. (For main deck loading refer to carrier).

SQ-02 Items with a primary or subsidiary risk of Division 2.1 and Class 4, when packed for "Passenger and Cargo Aircraft" must be loaded in the lower deck.

SQ-05 Only Division 6.2, Class 7 and Class 9 will be uplifted ~~into/from/over~~ the United States. (Division 6.2 will only be carried on freighter aircraft.)

SQ-07 Items with a primary or subsidiary risk of Class 3 or 5, packed for "Passenger and Cargo Aircraft" or "Cargo Aircraft Only" may be accepted. (For main deck loading refer to carrier).

SQ-09 Dangerous goods shipments from other carriers will not be accepted ~~except for those from AF, JL, LH and SK~~ unless prior arrangements have been made with SQ. (For carrier details please refer to SIA Cargo office)

New **TY (Iberworld Airlines)**

TY-01 Dangerous Goods in excepted quantities will not be accepted.

TY-02 Dangerous Goods in consolidations will not be accepted.

TY-03 Infected animals, whether dead or alive, will not be accepted.

TY-04 Class 7 radioactive materials will not be accepted.

TY-05 Wheelchairs with spillable batteries, will not be accepted.

TY-06 Dry ice will not be accepted as cargo.

New **UA (United Airlines)**

UA-14 Select agents or toxins regulated by the Centers for Disease Control (CDC) under 42 CFR Part 73 and the Department of Agriculture under 9 CFR Part 121.3 (risk classification 6.2) will not be accepted for transport.

Amend **US (US Airways)**

US-01 Shipments which contain articles and substances listed in these Regulations and/or DOT Hazardous Materials Regulations and revisions thereto, except those listed as not restricted, in said regulations will not be accepted for carriage.

US-02, US-03 and US-07: Not used.

Section 2

Pg. 9 – Amend 2.1.1 as shown:

2.1.1 Dangerous Goods Forbidden in Aircraft Under Any Circumstances

Any article or substance which, as presented for transport, is liable to explode, dangerously react, produce a flame or dangerous evolution of heat or dangerous emission of toxic, corrosive or flammable gases or vapours under conditions normally encountered in transport must not be carried on aircraft under any circumstance.

Notes:

1. *Certain dangerous goods known to meet the description above have been included in light type and without a UN number in the List of Dangerous Goods Subsection 4.2) with the word "Forbidden" shown in Columns I, J and K, L. It must be noted that it is impossible to list all dangerous goods which are forbidden in aircraft under any circumstances. It is therefore essential that appropriate care be exercised to ensure that no such goods are offered for transport.*
2. *2.1.1 is intended to include articles being returned to the manufacturer for safety reasons, e.g. defective lithium batteries, see Special Provision A154.*

Pg 13 – Add new paragraph 2.3.4.5 as follows:

2.3.4.5 Chemical Agent Monitoring Equipment

Instruments containing radioactive material not exceeding the activity limits specified in Table 10.5.A, i.e. chemical agent monitor (CAM) and/or rapid alarm and identification device monitor (RAID-M), securely packed and without lithium batteries, when carried by staff members of the Organization for the Prohibition of Chemical Weapons (OPCW) on official travel.

Section 3

Pg. 100 – Table 3.6.A. Amend as shown:

Packing Group	Oral Toxicity LD ₅₀ (mg/kg)	Dermal Toxicity LD ₅₀ (mg/kg)	Inhalation Toxicity by Dusts and Mists LC ₅₀ (mg/L)
I	≤ 5.0	≤ 50	≤ 0.2
II	> 5.0 but ≤ 50	> 50 but ≤ 200	> 0.2 but ≤ 2.0
III ^a	> 50 but ≤ 300	>200 but ≤ 1,000	> 2.0 but ≤ 40 4.0

Section 4

Pg. 211 – 4.2: Add SP A154 against UN 3090 and UN 3091:

UN/ ID no. A	Proper Shipping Name/Description B	Class or Div. C	Sub Risk D	Hazard Label(s) E	PG F	Passenger and Cargo Aircraft				Cargo Aircraft Only		S.P. see 4.4 M	ERG Code N
						Total Qty		Pkg Inst I	Max Net Qty/Pkg J	Pkg Inst K	Max Net Qty/Pkg L		
						Pkg Inst G	Max Net Qty/Pkg H						
3090	Lithium batteries †	9		Miscellaneous	II	—	—	903	5 kg G	903	30 kg G	A45 A88 A99 A154	9W
3091	Lithium batteries contained in equipment †	9		Miscellaneous	II	—	—	See 912		See 912		A45 A48 A154	9W
3091	Lithium batteries packed with equipment †	9		Miscellaneous	II	—	—	See 918		See 918		A45 A154	9W

Pg. 255 – 4.2: Add “hydrated” to PSN in column B for UN 2949, entry will read:

2949	Sodium hydrosulphide hydrated with 25% or more water of crystallisation	8		Corrosive	II	Y815	5 kg	815	15 kg	817	50 kg		8L
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Pg. 259 – 4.2: Add “Toxic” in column E against UN 1693

1693	Tear gas substance, liquid, n.o.s. ★	6.1		Toxic	I II	— —	— —	Forbidden Forbidden		Forbidden 611	5 L	A2 A36	6i 6i
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Pg. 318 – 4.4: Add new Special Provision A154 as follows:

A154 Lithium batteries identified by the manufacturer as being defective for safety reasons, or that have been damaged, that have the potential of producing a dangerous evolution of heat, fire or short circuit are forbidden for transport (e.g. those being returned to the manufacturer for safety reasons).

Section 5 (PI = Packing Instruction)

Pg. 330 – Table 5.0.C: Insert row for plastic receptacles (aerosols) IP7C and amend references for remaining inner packagings as follows:

metal receptacles (aerosols) non-refillable	IP7B	6.1.8
plastic receptacles (aerosols) non-refillable	IP7C	6.1.9
glass ampoules (glass tubes)	IP8	6.1.9 6.1.10
metal or plastic flexible tubes	IP9	6.1.10 6.1.11
bags, paper with plastic/aluminium	IP10	6.1.11 6.1.12

Pg. 465 – PI 650: Revise third last paragraph to read:

If an Air waybill is used, the “Nature and Quantity of Goods” box ~~should~~ **must** show “UN 3373” and the text “BIOLOGICAL SUBSTANCE, CATEGORY B”, **preferably with the UN number first.**

Section 6

Pg. 522 – 6.0.3.6.2: Delete last sentence as shown:

6.0.3.6.2 The letter “W” may follow the packaging code, this signifies that the packaging, although of the same type indicated by the code, is manufactured to a specification different from that in Subsection 6.2 and is considered equivalent under the requirements of 6.0.1.3. ~~The transport of such packagings by air is subject to the written approval of the State of origin.~~

Section 7

Pg. 556 – 7.2.2.3.2: Amend 7.2.2.3.2(a) & (b) as shown:

7.2.2.3.2 Hazard labels must conform to the following specifications:

- (a) they must be in the form of a square with minimum dimensions of 100 × 100 mm (4 × 4 in), except as provided in 7.2.2.3.1, set at an angle of 45° (diamond shaped). The labels have a line ~~of the same colour as the symbol~~, 5 mm inside the edge and running parallel to it. ~~In the upper half of the label the line must be the same colour as the symbol and in the lower half it must be the same colour as the figure in the bottom corner.~~ Labels are divided into halves. With the exception of Division 1.4, 1.5 and 1.6, the upper half of the label is reserved for the pictorial symbol and the lower half for texts, the class or division number and the compatibility group letter as appropriate;
- (b) the symbols, text and numbers must be shown in black on all labels except:
 - 1. the Class 8 label, where the text (if any) and class number must appear in white;
 - 2. labels with entirely green, red or blue backgrounds where they may be shown in white;
 - 3. ~~the Division 5.2 label, where the symbol may be shown in white.~~

Pg. 566 – Figure 7.3.M

Replace Figure 7.3.M, with that shown below. Line in the top half of the diamond must be white to correspond with the colour of the flame (white).



Section 8

Pg. 581 – 8.1.6.9.2(c): Amend as shown:

- (c) where the maximum quantity **per package** is shown as “No limit” or has a packing instruction reference in Columns H, J or L of the List of Dangerous Goods, the net quantity of the hazard contained in each package must be shown; except for UN 2794, UN 2795, UN 2800, UN 2807, UN 2857, UN 2990, UN 3072, UN 3164, UN 3166, UN 3171 and UN3292, where the quantity shown must be the gross weight ~~of the article~~;

Pg. 595 – 8.2.3: Amend as shown:

If a Shipper's Declaration is not required for dangerous goods, the “Nature and Quantity of Goods” box of the Air Waybill ~~should~~ **must show the following information. The sequence of the information is optional**, but that shown below is preferred:

- UN or ID number;
- Proper shipping name;
- Class or division number;
- Subsidiary risk, if any;
- Packing group;
- Number of packages;
- Net quantity per package; and
- Packing instruction number.

Appendix C.2

Pg. 712 – Table C.2: Amend last entry in table to be:

3,6,9-**Triethyl**-3,6,9-trimethyl-1,4,7-triperoxonane (UN3105)

Appendix E.1

Pg. 732 – Revise entry as follows:

UNITED STATES (USA)

Regulatory branch:

US Department of Transportation
Associate Administrator for Hazardous Materials Safety
Pipeline and Hazardous Materials Safety Administration
1200 New Jersey Ave., SE
East Building, Second Floor
Washington, DC 20590
USA

Tel: +1 (202) 366 4488
Fax: +1 (202) 366 3753
E-mail: infoctr@dot.gov