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2011-2012 Edition
ADDENDUM NO. 5
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INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT
OF DANGEROUS GOODS BY AIR**

2011-2012 EDITION

ADDENDUM NO. 5

The attached addendum should be incorporated into the 2011-2012 Edition of the Technical Instructions (Doc 9284).

(25 pages)

**TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT
OF DANGEROUS GOODS BY AIR**

In Part 3, Chapter 2, Table 3-1, page 3-2-54, **Chlorosilanes, corrosive, n.o.s.**, UN 2987, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-54, **Chlorosilanes, corrosive, flammable, n.o.s.**, UN 2986, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-71, **Dibenzoyldichlorosilane**, UN 2434, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-112, **Hydrazine aqueous solution, flammable**, with more than 37% hydrazine, by mass, UN 3484, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-115, **Hydrogen in a metal hydride storage system**, UN 3468, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-115, **Hydrogen in a metal hydride storage system contained in equipment**, UN 3468, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-115, **Hydrogen in a metal hydride storage system packed with equipment**, UN 3468, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-128, **Lithium ion batteries** (including lithium ion polymer batteries), UN 3480, *add* “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-128, **Lithium ion batteries contained in equipment** (including lithium ion polymer batteries), UN 3481, *add* “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-128, **Lithium ion batteries packed with equipment** (including lithium ion polymer batteries), UN 3481, *add* “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-143, **Methylphenyldichlorosilane**, UN 2437, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-146, **Motor fuel anti-knock mixture, flammable**, UN 3483, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Part 3, Chapter 2, Table 3-1, page 3-2-197, **Silicon tetrachloride**, UN 1818, *add* “AU 1”, “CA 7”, “GB 3”, “IR 3”, “NL 1” and “US 3” in column 6.

In Attachment 3, Chapter 1, page A3-1-1, paragraph 1.6, *add* “Brazil — BR” before “Brunei Darussalam — BN”.

In Attachment 3, Chapter 1, page A3-1-1, paragraph 1.6, *add* “Croatia — HR” before “Democratic People’s Republic of Korea — KP”.

In Attachment 3, Chapter 1, page A3-1-1, paragraph 1.6, *add* “Oman — OM” before “Pakistan — PK”.

In Attachment 3, Chapter 1, Table A-1 — State variations, the following amendments should be made:

Add the following new variations for Brazil:

+ BR — BRAZIL

BR 1 The Brazilian national authority for Annex 18 and competent authority for these Instructions is the:

Agência Nacional de Aviação Civil (ANAC)
Superintendência de Segurança Operacional — SSO
Gerência Técnica de Artigos Perigosos — GTAP
Av. Presidente Vargas 850 — 12º andar
Cep.: 20.071-001 Centro
Rio de Janeiro
Brazil
Email: artigo.perigoso@anac.gov.br
Telephone: +55 21 3501-5526

- BR 2 Transportation of dangerous goods to, from or within Brazil must be subject to compliance with the provisions of these Instructions and the Brazilian Civil Aviation Regulations. A copy of all national regulations can be obtained on the following website: www.anac.gov.br/cargaarea.
- BR 3 Air operators transporting dangerous goods must submit a monthly report of all dangerous goods transported from or within Brazil by the tenth working day of the following month. Further information and a report template are available on the website: www.anac.gov.br/cargaarea.
- BR 4 Dangerous goods requiring exemption or approval under the Technical Instructions may only be carried on a passenger or cargo aircraft to, from or within Brazil with the approval of the National Civil Aviation Agency (ANAC). The request must be submitted at least fifteen days before the proposed flight for approvals and sixty days for exemptions. Further information and a request form may be obtained on the website: www.anac.gov.br/cargaarea or by email: artigo.perigoso@anac.gov.br.
- BR 5 For the carriage of dangerous goods originating in Brazil, the template of the shipper's declaration for dangerous goods provided in Supplementary Instruction IS 175-001 must be used. An open form may be used instead of a column form, provided all the information is given on the shipper's declaration for dangerous goods. In addition, electronic data are allowed since it can be reproduced in a printed format if requested by the Brazilian authority.
- BR 6 For all domestic transport in Brazilian territory, the Portuguese language must be used for all dangerous goods markings and on all transport documents. For international transport originating in Brazilian territory, English must be used for dangerous goods markings and on transport documents in addition to the languages required by the States of transit and destination.
- BR 7 National legislation in Brazil specifies that training requirements are described in Supplementary Instruction IS 175-002. All employees working in Brazilian territory must be trained according to this instruction. A copy can be obtained on the following website: www.anac.gov.br/cargaarea.
- BR 8 Transportation of radioactive material from or within Brazil is subject to the approval of the National Commission for Nuclear Energy (CNEN):

CNEN — Transport Safety Service
Rua General Severiano, 90/401
Postal Code: 22.290-900
Telephone: +55-21-2173-2308
Email: nbruno@cnen.gov.br
Website: www.cnen.gov.br

Amend the variations for Canada as follows:

CA — CANADA

- ≠ CA 6 *Amend* the link to the Transportation of Dangerous Goods Regulations of Canada to read "<http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm>"
- ≠ CA 7 *Amend* the email address to read "services@tc.gc.ca".

Add the following new variations for Croatia:

+ HR — CROATIA

- HR 1 The competent national authority in the Republic of Croatia for Annex 18 and these Instructions is:

Croatian Civil Aviation Agency (CCAA)
Ulica grada Vukovara 284
10 000 Zagreb, Croatia
Telephone: +385 1 2369 300
Facsimile: +385 1 2369 310
Email: ccaa@ccaa.hr
Website: www.ccaa.hr

- HR 2 The following requirements apply to aircraft registered: 1;1.2
- in the Republic of Croatia no matter where they are operating;
 - in a State other than the Republic of Croatia which is not required to operate under and in accordance with Annex III to Regulation (EC) NO. 3922/1991 ("EU-OPS") when they are operating in the Republic of Croatia.
- Aircraft may only carry dangerous goods with prior approval of the Croatian Civil Aviation Agency (CCAA). Carriage of such goods must be in compliance with the latest effective edition of these Instructions and any addenda or corrigenda published.
- Operators (AOC holders) whose head office is located in the European Union and who are required to operate under and in accordance with Annex III to Regulation (EC) No. 3922/1991 ("EU-OPS") do not require the approval of the Croatian Civil Aviation Agency, provided an approval granted by such a State is held.
- HR 3 Dangerous goods requiring approval under Special Provisions A1 or A2 of these Instructions or other State exemptions or approvals may only be carried on a passenger or cargo aircraft in Croatian territory with the approval of the Croatian Civil Aviation Agency (CCAA). Applications for approval must be lodged with the CCAA at least ten days prior to the proposed flight. 1;1
Table 3-1
3;3
- HR 4 According to the Act on Radiological and Nuclear Safety (Official Gazette No. 28/10), for transportation of radioactive materials to and from the Republic of Croatia, the operator must ensure that the consignor/consignee is in possession of a prior approval. Application for prior approval may be addressed to: 1;1.2
5;1.2
7;1
- State Office for Radiological and Nuclear Safety (SORNS)
Frankopanska 11
10 000 Zagreb, Croatia
Telephone: +385 1 4881 770
Facsimile: +385 1 4881 780
Email: dzrns@dzrns.hr
Website: www.dzrns.hr
- HR 5 According to the Explosive Substances Act (Official Gazette No. 178/04, 109/07, 67/08 and 144/10), for transportation of explosives to and from the Republic of Croatia, the operator must ensure that the consignor/consignee is in possession of a prior approval. Application for prior approval may be addressed to: 1;1.2
2;1
4;3
7;1
- Ministry of Interior
Administrative and Inspection Authority
Ilica 335
10 000 ZAGREB, Croatia
Telephone: +385 1 3788 646
Facsimile: +385 1 3788 187
Email: pitanja@mup.hr
Website: www.mup.hr

Replace the variations for the Islamic Republic of Iran with the following:

IR — ISLAMIC REPUBLIC OF IRAN

- ≠ IR 1 The importation of radioactive material into the Islamic Republic of Iran is subject to prior permission from the Atomic Energy Organization of the Islamic Republic of Iran. Any request concerning the applicability of this variation must be addressed to: 1;1.1
5;1.2
7;1.1
- Atomic Energy Organization of the Islamic Republic of Iran
Nuclear Safety and Radiation Protection Management
P.O. Box 14155 — 4494
Tehran, Islamic Republic of Iran
Telephone: +98 21 88 22 11 24
+98 21 82 06 35 74
Facsimile: +98 21 88 22 11 25

≠	IR 2	In addition to the application of the regulations described in Table 7-1, packages containing Division 6.1 from Class 8 and Division 4.1 from Division 4.3 must be separated from each other.	7;1 7;2
≠	IR 3	Dangerous goods which are principally forbidden for air transport and are subjected to Special Provision A1 or A2 of the Technical Instructions may be imported into the Islamic Republic of Iran subject to prior permission from the Civil Aviation Organization of Iran. Application for permission must be made at least fifteen days prior to the proposed flight date and must be addressed to: Vice President C.A.O.I.R. of Iran Deputy of Flight Standard Civil Aviation Organization Mehrabad International Airport Tehran, Islamic Republic of Iran Facsimile: +98 21 66 03 65 52	Table 3-1 3;3
+	IR 4	Fissile material in quantities exceeding quantities for fissile excepted must not be transported by aircraft to, from, or through the Islamic Republic of Iran without prior permission from: Iranian Nuclear Regulatory Authority (INRA) End of North Kargar St. P.O.Box 14155-1339 Tehran, Islamic Republic of Iran Telephone: +98 21 88 22 10 73 Facsimile: +98 21 88 22 10 72 Email: INRA@aeoi.org.ir	2;7 4;9 5;1 5;2 6;7 7;1 7;2

Amend the following variations for the Netherlands:

NL — NETHERLANDS			
≠	NL 1	Amend the address to read: Human Environment and Transport Inspectorate (CAA — NL) Ministry of Infrastructure and the Environment Certification and Approvals Department Postbus 575 2130 AN Hoofddorp The Netherlands Telephone: +31 70 456 3003 +31 88 489 0000 (outside office hours) Facsimile: +31 70 456 3030 Email: dgmelding@ilent.nl	Table 3-1 3-3
≠	NL 2	Not used.	
≠	NL 6	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 licence to the operator and it will only be provided if the operator is in the possession of staff who received training in accordance with the provisions in the Technical Instructions. Operators registered in the Netherlands and in a State other than the Netherlands which are required to operate under and in accordance with EU-OPS do not require permission of the Civil Aviation Authority of the Netherlands providing the permission granted by such a State is held.	1;1.2

Application for a dangerous goods licence must 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 from:

Human Environment and Transport Inspectorate (CAA — NL)
Ministry of Infrastructure and the Environment
Certification and Approvals Department
Postbus 575
2130 AN Hoofddorp
The Netherlands
Telephone: +31 70 456 3003
 +31 88 489 0000 (outside office hours)
Facsimile: +31 70 456 3030
Email: dgmelding@ilent.nl

Add the following new variation for Oman:

+ **OM — OMAN**

OM 1 It is prohibited to transport dangerous goods to/from/over Oman except with the prior permission of the civil aviation authority after coordination with the competent authorities in accordance with the applicable rules and, in particular:

- a) explosives, weapons and war ammunition;
- b) nuclear goods, radioactive isotopes, poisonous gases and related objects;
- c) goods of dual use, like drugs;
- d) germs and dangerous goods; and
- e) any other goods requiring approval under Special Provision A1 or A2.

Application for approval must be made at least five days prior to the proposed flight date and must be submitted to:

Director Flight Safety
Directorate General of Safety and Aviation Services
P.O. Box 1 P.C. 111
Muscat International Airport
Sultanate of Oman

Add the following new variations for Romania:

RO — ROMANIA

≠ RO 1 In accordance with Romanian legislation, all flights within the Bucharest FIR of civil aircraft carrying cargo consisting of weapons, ammunition, explosives, radioactive materials and other materials classified and regulated as dangerous goods can be performed only after obtaining a permit from the Ministry of Transport and Infrastructure. 1;1.2
Part 2
5;1.2

The application for the above-mentioned permit has to be registered with the Romanian Civil Aeronautical Authority at the following address:

Romanian Civil Aeronautical Authority (RCAA)
Overflight Department
Sos. Bucuresti-Ploiesti, Nr. 38-40
Sector 1, Cod 013695
Bucuresti, Romania
Telephone: +40 21 208 15 00
Facsimile: +40 21 208 15 83
AFTN: LRBBYR
SITA: BUHTOYA
Email: overflight@caa.ro

Romanian AIP section GEN 1.2 contains all details regarding the application form and other required specific documents.

In case the consignment contains radioactive materials, the air operator must provide to the Romanian Civil Aeronautical Authority a copy of the authorization issued by the National Commission for the Control of Nuclear Activities (CNCAN).

The contact information of the National Commission for the Control of the Nuclear Activities is as follows:

National Commission for the Control of the Nuclear Activities
B-dul. Libertatii, Nr. 14, Sector 5
Bucuresti, Romania
Telephone: +40 21 316 05 72
Facsimile: +40 21 317 38 87

- ≠ RO 2 RO 1 does not apply in cases of air carriers performing medical emergency flights and in cases of flights by air carriers detaining an operator licence in accordance with EU Regulation No. 1008/2008 and which do not carry dangerous goods classified as:
- 1;1.2
Part 2
- Class 1 — all items;
 - Class 3 — only desensitized explosives UN 1204, UN 2059, UN 3064, UN 3343, UN 3357 and UN 3379;
 - Class 6 — only Division 6.2, Category A, UN 2814 and UN 2900
 - Class 7 — all items
- Such carriers must only notify the Romanian Civil Aeronautical Authority before starting the flight with the following information: proper shipping name, UN number, class or division, and quantity.
- ≠ RO 3 Civil aircraft involved in the carriage of dangerous goods that are forbidden for air transport under normal circumstances, in accordance with the ICAO documents, are not permitted to perform flights within the Bucharest FIR (OMTCT 2066/2006).
- 1;1.1.3
Table 3-1
- Waivers from the provisions may be granted by the Romanian Civil Aeronautical Authority only if the respective transport is justified by a major public interest. Such a waiver must be granted with the approval of the Ministry of Transport and Infrastructure.
- ≠ RO 4 Not used.

Amend the variations for Singapore as follows:

SG — SINGAPORE

- ≠ SG 1 In accordance with paragraph 50D of the Singapore Air Navigation Order, air operators wishing to carry dangerous goods into, transiting, or out of Singapore must obtain a dangerous goods permit from the Civil Aviation Authority of Singapore (CAAS). Information and application forms for dangerous goods permits may be obtained from the CAAS website (www.caas.gov.sg). All applications are to be made on prescribed forms and addressed to:
- 7;1

Dangerous Goods Unit
Airworthiness/Flight Operations Division
Civil Aviation Authority of Singapore
Singapore Changi Airport
P.O. Box 1
Singapore 918141
Telephone: +65 6541 3487
Facsimile: +65 6545 6519
Email: caas_dangerousgoods@caas.gov.sg

- + SG 2 Singapore Air Navigation Order (ANO) defines munitions of war (MOW) as “weapons and ammunition designed for use in warfare or against any person, including any part designed for such weapons and ammunition”. MOW includes weapons (for sporting and non-sporting purposes) such as rifles, pistols and guns, and weapon components and parts. MOWs may themselves contain or be loaded with explosives, cartridges, charges, primers and ammunitions which are classified as dangerous goods in accordance with these Instructions. 7;1

Operators wishing to carry munitions of war by air into, transiting, or out of Singapore must obtain an MOW permit and a dangerous goods permit in accordance with paragraphs 50C and 50D of the Air Navigation Order.

Information and application forms for MOW permits may be obtained from the CAAS website (www.caas.gov.sg). All applications are to be made on prescribed forms and addressed to:

Dangerous Goods Unit
Airworthiness/Flight Operations Division
Civil Aviation Authority of Singapore
Singapore Changi Airport
P.O. Box 1
Singapore 918141
Telephone: +65 6541 3487
Facsimile: +65 6545 6519
Email: caas_dangerousgoods@caas.gov.sg

Amend the following variations for Sri Lanka:

VC — SRI LANKA

- ≠ VC 3 Application for permission must be made to the: 1;1.2

Director General of Civil Aviation
Civil Aviation Authority of Sri Lanka
No. 4, Hunupitiya Road, Colombo 02
Sri Lanka
Facsimile: 94 11 2304644 or 94 11 2304649

at least ten days before the date of the first flight on which dangerous goods are to be carried.

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *add* “Air Caraibes — TX” and “Air Caraibes Atlantique — 8X” after “Air Canada — AC”.

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *add* “Air Tahiti — VT” after “Air Tahiti Nui — TN”.

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *delete* “Continental Airlines — CO”.

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *add* “Air India — AI” after “Air Hong Kong — LD”.

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *delete* “Indian Airlines — IC.”

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* “JSC Siberia Airlines — S7” after “Jett8 Airlines Cargo — JX”.

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* “Llc GloBus — GH” after “Lauda Air Luftfahrt AG — NG”.

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *delete* “Mexicana Airlines — MX” and “Mexicana Click — QA”.

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *delete* “Southern Air Transport — SJ.”

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* “SriLankan Airlines — UL” after “Spanair — JK”.

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *amend* “TAM Linhas Aereas — JJ” to read “TAM Airlines — JJ”.

In Attachment 3, Chapter 2, Table A-2 — Operator variations, the following amendments should be made:

Add the following new variations for Air India:

+	AI — AIR INDIA	
AI-01	Explosives must not be carried with the exception of items covered under UN 0012 and UN 0014, subject to approval from the Director General Civil Aviation.	2;1
AI-02	Class 3 — Flammable liquids in Packing Group I are not accepted for carriage.	2;3
AI-03	Division 4.3 — Substances which, in contact with water, emit flammable gases are not accepted for carriage.	2;4
AI-04	Dangerous goods must not be consolidated with non-dangerous goods.	5;1.1
AI-05	The carriage of UN 1845 — Carbon dioxide, solid (dry ice) will be limited to the following: — A319/A320/A321/B737: not more than 200 kg per aircraft is permitted. — A310/B747/B777: not more than 1 500 kg per aircraft is permitted.	Table 3-1 4;11
AI-06	A 24-hour emergency telephone number must be provided in the “Handling Information” box of the shipper’s declaration and air waybill.	5;4
AI-07	Fissile material will not be accepted for carriage.	2;7

Add the following variations for Aerolineas Argentinas:

	AR — AEROLINEAS ARGENTINAS	
+	AR-08 Interline transfer of dangerous goods will only be accepted if a copy of the acceptance checklist accompanies the consignment together with the dangerous goods declaration and the air waybill (see 9.1.1 of the IATA Dangerous Goods Regulations).	5;4 7;1
+	AR-09 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 shipper’s declaration for dangerous goods (DGD) in the “Additional handling information” box (see 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.)	5;4
+	AR-10 Material safety data sheets (MSDS) must be provided for all dangerous goods classes, except for carbon dioxide, solid (dry ice), vehicles and engines (UN 3166) and non-dangerous goods having a chemical base.	5;4

The MSDS may be written in Spanish or English. The MSDS must include the UN number, proper shipping name, packing group if necessary and all other relevant transport information.

Amend the following variation for Alaska Airlines:

AS — ALASKA AIRLINES

- ≠ AS-05 Alaska Airlines requires that any vehicle shipped in accordance with Packing Instruction 950 must have the fuel tank drained of fuel as far as practicable. It is not acceptable to apply the provision that fuel up to one quarter of the tank capacity may remain. 4;11

Add the following variations for Austral Lineas Aereas:

AU — AUSTRAL LINEAS AEREAS

- + AU-08 Interline transfer of dangerous goods will only be accepted if a copy of the acceptance checklist accompanies the consignment together with the dangerous goods declaration and the air waybill (see 9.1.1 of the IATA Dangerous Goods Regulations). 5;4
7;1
- + AU-09 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 shipper's declaration for dangerous goods (DGD) in the "Additional handling information" box (see 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.) 5;4
- + AU-10 Material safety data sheets (MSDS) must be provided for all dangerous goods classes, except for carbon dioxide, solid (dry ice), vehicles and engines (UN 3166) and non-dangerous goods having a chemical base. 5;4

The MSDS may be written in Spanish or English. The MSDS must include the UN number, proper shipping name, packing group if necessary and all other relevant transport information.

Add the following variation for British Airways:

BA — BRITISH AIRWAYS

- + BA-07 Oxygen generators will not be accepted. Table 3-1

Add the following variation for EVA Airways:

BR — EVA AIRWAYS

- + BR-17 If the shipper uses wooden skids for liquid substances contained in single packagings which are plastic drums/jerricans, the shipper must ensure that there are no sharp objects protruding from the wooden skids and the plastic drums/jerricans must be protected by other strong outer packaging. Part 4

Amend the following variation for Caribbean Airlines:

BW — CARIBBEAN AIRLINES

- ≠ BW-01 Caribbean Airlines will not accept for carriage on its aircraft substances with a primary or subsidiary risk of 6.1 in any form except if it is shipped for medical purposes. 2;6
Table 3-1

Amend the following variation for China Airlines:

CI — CHINA AIRLINES

- ≠ CI-03 Dangerous goods in consolidations will not be accepted for carriage except for: 7;1
- consolidations having one master air waybill with one house air waybill; or
 - 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
 - consolidations having multiple house air waybills with different shippers/consignees containing ID 8000 — Consumer commodities and/or containing UN 1266 — Perfumery products; or

- consolidations having multiple house air waybills with different shippers/consignees containing ID 8000 and/or UN 1266 mixed with general cargo.

Add the following variations for China Airlines:

- | | | | |
|---|-------|--|-------------------------|
| + | CI-06 | Radioactive materials other than "Radioactive material, excepted package" are prohibited when transferring/transiting Taiwan without prior approval by Taiwan authorities. A request for approval must be addressed to the Atomic Energy Council of Taiwan by the shipper seven days prior to flight departure from the State of Origin. | 1;1
2.7
Table 3-1 |
| | | Atomic Energy Council
80, Section 1, Chenggong Road
Yonghe District
New Taipei City 23452
Taipei
Telephone: +886-2-8231 7919, Ext. 2179/2187
Facsimile: +886-2-8231 7829 | |
| + | CI-07 | Dangerous goods offered for transport under State exemptions or approvals (e.g. as required by Special Provisions A1, A2 and A106) will not be accepted for carriage. | 1;1
3;3 |

Delete the variations for CO — Continental Airlines.

Amend the following variations for Cathay Pacific Airways:

CX — CATHAY PACIFIC AIRWAYS

- | | | | |
|---|-------|--|-----|
| ≠ | CX-04 | 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 on the shipper's declaration for dangerous goods (DGD), preferably in the "Additional handling information" box, e.g. "Emergency contact +47 67 50 00 00". (See 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.)

A 24-hour emergency telephone number is not required for shipments that do not require a DGD. | 5;4 |
| ≠ | CX-05 | Liquid substances with a corrosive (Class 8) primary or subsidiary risk packed in plastic drums or jerricans (1H1, 1H2, 3H1 and 3H2) must be prepared as follows:

1) the plastic drums/jerricans must be protected by other strong outer packaging; or

2) if prepared as an open overpack, a suitably-sized plastic pallet must be used to protect at least the top and bottom of the packaging. | 2;8 |
| ≠ | CX-06 | In addition to the requirements in 8.2.5 of the IATA Dangerous Goods Regulations, UN number(s) of all shipments of dangerous goods in excepted quantities must be indicated on the air waybill. | 5;4 |

Add the following variations for Cathay Pacific Airways:

- | | | | |
|---|-------|--|--------------------------|
| + | CX-07 | Lithium metal cells and batteries (UN 3090) are prohibited from carriage as cargo on Cathay Pacific Airways passenger aircraft. This prohibition applies to both Section I and Section II of Packing Instruction 968. This prohibition does not apply to:

— lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970;

— lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with Packing Instruction 965, 966 or 967; or

— lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.) | Table 3-1
4;11
8;1 |
| + | CX-08 | All shipments of lithium batteries contained in equipment prepared in accordance with Section II of Packing Instruction 967 or 970 must include the mandatory wording on the air waybill as shown in Section II ("lithium ion batteries", "not restricted" "PI967" or "lithium metal batteries", "not restricted" "PI970"). This applies even to shipments where no lithium battery handling label is required to be affixed to the package(s). | 4;11 |

Amend the following variations for DHL Air Limited:

DO — DHL AIR LIMITED — DHL

- ≠ DO-01 Dangerous goods shipments transported by DHL Air Limited (DHL) will only be accepted by advance arrangements with, and approval by, the Regional Restricted Commodities Group — DHL Express Europe Headquarters before presenting for transport. 3;5
- Regional Restricted Commodities Group — DHL Express Europe Headquarters
Telephone: +49 0 341 4499 4949
Facsimile: +49 0 4499 88 4982
Email: rcgalert@dhl.com
- ≠ DO-02 The waybill for dangerous goods in “Excepted Quantities” must show the applicable UN number in addition to the requirements of 3;5.5 of these Instructions and 2.6.8.2 of the IATA Dangerous Goods Regulations. 4;11
- ≠ DO-03 All lithium batteries, including refurbished, prepared under Section II of Packing Instructions 965 to 970 will only be accepted for carriage with the approval of the Regional/Global Restricted Commodities Group — DHL Express Europe Headquarters. 5;4
- ≠ DO-08 Handwritten shipper’s declarations will not be accepted. The following fields on the shipper’s declaration must be typed or computer generated:

UN or ID number including the prefix, proper shipping name, hazard class or division, subsidiary risk or division(s), packing group, packaging type, packing instruction, authorization and emergency telephone number.

Note.— The technical name, when required, may be handwritten.

For radioactive shipments, in addition to the items listed above, the following must also be typed or computer generated:

Radionuclide, special form or physical and chemical form. All other entries may be handwritten.

Handwritten alterations/amendments to an entry required to be typed per D0-08 are acceptable if each alteration/amendment is legible and signed with the same signature used to sign the shipper’s declaration.

Amend the following variations for Etihad Airways:

EY — ETIHAD AIRWAYS

- ≠ EY-02 All Class 1 — Explosives, Division 6.2 — Infectious substances and Class 7 — Radioactive materials, as defined in the IATA Dangerous Goods Regulations, will not be accepted for carriage unless prior approval and booking arrangements are obtained from: 2;1
2;6
2;7
- ETIHAD Airways Cargo Reservations
P.O. Box 35566
Cargo Village
Abu Dhabi International Airport
United Arab Emirates
Telephone: +971 2 599 0099
Email: cargoreservations@ETIHAD.ae
- ≠ EY-03 Dangerous goods in single packagings and cryogenic containers (dewars) are not accepted for carriage unless overpacked. 4;1
- ≠ EY-04 Fully regulated lithium batteries (IMP code RLI or RLM (see B.2.2.4 of the IATA Dangerous Goods Regulations)) will not be accepted (see Packing Instructions 965 to 970). 4;11

Amend the following variations for Federal Express:

FX — FEDERAL EXPRESS

- ≠ FX-01 Class 1 articles and substances offered on a FedEx International Priority Freight (IPF), FedEx International Premium (IP1), or FedEx International Express Freight (IXF) may require a pre-alert or pre-approval. Call the FedEx Express Freight Customer Service at (800) 332-0807 for additional information (see Packing Instructions 101-143). Any Class 1 shipments originating in a non-U.S. location requires pre-approval. Call your local FedEx customer service number and ask for FedEx Express freight customer service. 2;1
4;3
- FedEx Express will not accept for transport any explosives assigned to Division 1.3.
- ≠ FX-03 Class 7 substances offered on FedEx International Priority Freight (IPF), FedEx International Premium (IP1), FedEx International Express Freight (IXF) or FedEx International Airport-to-Airport (ATA) may require a pre-alert or pre-approval. Call (800) 332-0807 for additional information. Plutonium 239 and 241 will not be accepted as UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333. 2;7
- FedEx Express will not accept labelled radioactive material with a subsidiary risk of 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 8 or 2.2 with a "Cargo aircraft only" label unless the shipper has been pre-approved.
- Class 7 shipments originating in a non-U.S. location require pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.
- All fissile shipments worldwide require pre-approval. Call 1-901-434-3200 for assistance.
- ≠ FX-07 Lithium batteries (Section I and Section II of Packing Instructions 965-970) cannot be shipped in the same package as the following dangerous goods classes/divisions: 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2 and 8 and 2.2 with a "Cargo aircraft only" label. This includes all packed in one, overpacks and combination all packed in one/overpacks. 4;11
- ≠ FX-16 FedEx Express will not accept for transport any item with an A2 or A183 Special Provision even with a competent authority approval. Table 3-1
3;3
- ≠ FX-18 Shippers' declarations for dangerous goods for all FedEx Express® dangerous goods shipments originating in the United States must be prepared using software with dangerous goods compliance edit checks and by one of the following methods: 5;4
- Certain FedEx electronic shipping solutions;
 - Recognized shipper proprietary software; or
 - FedEx recognized dangerous goods vendor software application;
- FX-18 currently does not apply to:
- Shipments originating in non-U.S. locations (including U.S. territories overseas, such as Puerto Rico);
 - U.S. origin shipments on an IATA 023 air waybill including FedEx International Airport-to-Airport (ATA) SM, FedEx International Express Freight® (IXF) and FedEx International Premium® (IP1);
 - Shipments containing Class 7 radioactive materials.

Add the following new variations for Llc Globus:

+ GH — LLC GLOBUS

- GH-01 Shipment of dangerous goods transported by Llc GloBus will only be acceptable after getting advance approval from Llc GloBus. Requests for dangerous goods shipments must be made on the special form of approval (form is provided by request) and sent to the following email address: cgo@s7.ru. 5;4
7;4
- The form of approval is to be attached to the set of accompanying documents and forwarded on board to the crew by the handling company at the airport of departure.

- GH-02 Patient specimens will only be accepted if assigned to UN 2814 or UN 2900 or UN 3373 as appropriate. Biological substance, Category B — UN 3373 may only be accepted for carriage under necessary requirements and after a prior Llc GloBus written approval has been granted. 2;6
Table 3-1
- GH-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 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 shipper's declaration for dangerous goods (DGD) in the "Additional Handling Information" box, e.g. "Emergency Contact +7 495 123 45 78". 5;4

Delete the variations for IC — Indian Airlines:

Amend the variations for TAM Airlines Aereas as follows:

JJ — TAM AIRLINES

- ≠ JJ-01 Explosives will not be accepted for carriage, except substances and articles of Division 1.4S, limited to a net quantity of 5 kg per package. 2;1
Table 3-1
- ≠ JJ-02 Not used.
- ≠ JJ-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 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 declaration for dangerous goods in the "Handling Information" box. (See 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.) Table 3-1
5;4
- ≠ JJ-04 The following maximum loading limits for radioactive material will be applied (see 9.3.10.3 of the IATA Dangerous Goods Regulations): Table 3-1
2;7
7;2
- narrow-body aircraft A319/A320/A321 — 5 TI per hold;
 - wide-body aircraft A330/A340/B767/B777 — 7 TI per hold.
- ≠ JJ-05 The MSDS must include the UN number, proper shipping name and all other relevant transport information. This variation applies to domestic and international flights. Besides the shipper's declaration for dangerous goods, all shipments containing dangerous goods must be accompanied by a document describing emergency procedures, with specific and proper information related to the material (such as a material safety data sheet (MSDS) or similar), which must include at least: Table 3-1
5;4
- a) the description of the dangerous goods;
 - b) immediate hazards to health;
 - c) risks of fire or explosion;
 - d) immediate precautions to be taken in the event of an accident or incident;
 - e) immediate methods for handling fire;
 - f) initial methods for handling spills or leaks in the absence of a fire;
 - g) preliminary first-aid measures.

This document must be issued in Portuguese for domestic flights with an additional version in English or Spanish, as applicable, for international flights.

This requirement does not apply to shipments of carbon dioxide, solid (dry ice) (UN 1845); battery-powered vehicles and equipment (UN 3171); internal combustion engines and vehicles (UN 3166); or magnetized material (UN 2807).

- ≠ JJ-06 Biological substances, Category B, UN 3373 (human or animal) will only be accepted from approved TAM Cargo customers. 2;6
Table 3-1
5;4

Add the following variations to TAM Airlines:

- + JJ-07 All combination packagings containing liquid dangerous goods must contain sufficient absorbent material to absorb the entire contents of all the inner packagings independently of packing groups. 4;1
- + JJ-08 The carriage of UN 1845 — Carbon dioxide, solid (dry ice) will be limited to the following: Table 3-1
- narrow-body aircraft A319/A320/A321 — 350 kg; and
 - wide-body aircraft A330/A340/B767/B777 — 1 500 kg.

Transportation of larger amounts can be achieved only with prior contact and authorization by TAM Cargo.

- + JJ-09 Cylinders, empty or full with compressed gas, will not be accepted for transportation as baggage on flights operated by TAM Airlines. 8;1

Should a passenger require supplementary oxygen, it will be provided by the operator for the duration of the flight provided a request 72 hours (at a minimum) prior to the flight is made to TAM Airlines.

Additional information can be obtained through the reservation office of TAM Airlines.

Amend the following variations for Hong Kong Dragon Airlines (DRAGONAIR):

KA — HONG KONG DRAGON AIRLINES (DRAGONAIR)

- ≠ KA-04 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 on the shipper's declaration for dangerous goods (DGD) preferably in the "Additional handling information" box, e.g. "Emergency contact +47 67 50 00 00". (See 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.) 5;4

A 24-hour emergency telephone number is not required for shipments that do not require a DGD.

- ≠ KA-05 Liquid substances with a corrosive (Class 8) primary or subsidiary risk packed in plastic drums or jerricans (1H1, 1H2, 3H1 and 3H2) must be prepared as follows: 2;8
- 1) the plastic drums/jerricans must be protected by other strong outer packaging; or
 - 2) if prepared as an open overpack, a suitably-sized plastic pallet must be used to protect at least the top and bottom of the packaging.

- ≠ KA-06 In addition to the requirements in 8.2.5 of the IATA Dangerous Goods Regulations, UN number(s) of all shipments of dangerous goods in excepted quantities must be indicated on the air waybill. 5;4

- ≠ KA-07 Lithium metal cells and batteries (UN 3090) are prohibited from carriage as cargo on Dragonair passenger aircraft. This prohibition applies to both Section I and Section II of Packing Instruction 968. This prohibition does not apply to: Table 3-1
4;11
8;1
- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970;
 - lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with Packing Instruction 965, 966 or 967; or
 - lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)

Add the following variation to Hong Kong Dragon Airlines (Dranonair):

- | | | | |
|---|-------|---|------|
| + | KA-08 | All shipments of lithium batteries contained in equipment prepared in accordance with Section II of Packing Instruction 967 or 970 must include the mandatory wording on the air waybill as shown in Section II ("lithium ion batteries", "not restricted" "PI967" or "lithium metal batteries", "not restricted" "PI970"). This applies even to shipments where no lithium battery handling label is required to be affixed to the package(s). | 4;11 |
|---|-------|---|------|

Amend the following variation for Korean Airlines:

KE — KOREAN AIRLINES

- | | | | |
|---|-------|--|------------|
| ≠ | KE-07 | Except for ID 8000 — Consumer commodity, all liquid dangerous goods must comply with the following packaging requirements in addition to those specified in the packing instructions: <ul style="list-style-type: none">— Single packaging using UN specification packaging is:<ul style="list-style-type: none">— acceptable if it is a steel drum (1A1 or 1A2) or composite packaging — plastic receptacle with outer steel drum (6HA1);— acceptable if it is overpacked by a strong wooden crate.— Combination packaging using limited quantity packaging is:<ul style="list-style-type: none">— acceptable if it is overpacked by a strong wooden crate. | 4;1
6;1 |
|---|-------|--|------------|

Amend the following variation for Nippon Cargo Airlines:

KZ — NIPPON CARGO AIRLINES

- | | | | |
|---|-------|--|-------------------------|
| ≠ | KZ-02 | Any Type B package, Type C package, SCO or LSA materials in industrial packaging, packages containing uranium hexafluoride, and fissile material (including fissile-excepted) will not be accepted for all sectors.

However, the following radioactive material which does not contain fissile-excepted will be accepted with the prior approval of the government of Japan, authorities of States concerned and the Vice President and General Manager, Operations Management, Nippon Cargo Airlines.

UN 2916 — Radioactive material, Type B(U) package, non-fissile or fissile excepted. | 2;7
Table 3-1
5;1 |
|---|-------|--|-------------------------|

Amend the following variations for LAN Airlines:

LA — LAN AIRLINES

- | | | | |
|---|-------|--|------------|
| ≠ | LA-01 | Dangerous goods offered for transport under an exemption as provided by 1.2.3, 1.2.5 and 2.6.1 of the IATA Dangerous Goods Regulations and any other LAN conditions by pre-approval will be accepted only after prior review and approval of the LAN Dangerous Goods Technical Committee.

Any requirement regarding the granting of exemptions and approvals will be coordinated by the LAN Airlines Dangerous Goods and Cargo Department, which will refer any decision to the LAN Dangerous Goods Technical Committee. An application for approval must be undertaken at least 15 working days in advance of the scheduled date for the flight. The MSDS or other documentation that covers the shipment must be attached. Applications should be addressed to:

LAN Airlines Dangerous Goods and Cargo Department
Telephone: +56-2-677 4571
USA: 305-265-6148
305-265-6033
Email: GrupoMercanciasPeligrosas@lan.com | 1;2.2 |
| ≠ | LA-05 | Oxygen generators, chemical, will only be accepted for carriage when the packaging or attached documentation confirms that the oxygen generator has not passed its expiration date or that it has been used. | 4;7
5;4 |
| ≠ | LA-09 | Not used. | |
| ≠ | LA-12 | Not used. | |

Amend the following variations for Air Hong Kong:

LD — AIR HONG KONG

- ≠ LD-04 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 on the shipper's declaration for dangerous goods (DGD) preferably in the "Additional handling information" box, e.g. "Emergency contact +47 67 50 00 00". (See 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.) 5;4

A 24-hour emergency telephone number is not required for shipments that do not require a DGD.

- ≠ LD-05 Liquid substances with a corrosive (Class 8) primary or subsidiary risk packed in plastic drums or jerricans (1H1, 1H2, 3H1 and 3H2) when in an overpack must be prepared as follows: 2;8
- 1) if prepared as an open overpack, the base must use a plastic pallet; or
 - 2) the plastic drums/jerricans must be protected by other strong outer packaging.

Add the following variations to Air Hong Kong:

- + LD-06 In addition to the requirements in 8.2.5 of the IATA Dangerous Goods Regulations, UN number(s) of all shipments of dangerous goods in excepted quantities must be indicated on the air waybill. 5;4
- + LD-07 All shipments of lithium batteries contained in equipment prepared in accordance with Section II of Packing Instruction 967 or 970 must include the mandatory wording on the air waybill as shown in Section II ("lithium ion batteries", "not restricted" "PI967" or "lithium metal batteries", "not restricted" "PI970"). This applies even to shipments where no lithium battery handling label is required to be affixed to the package(s). 4;11

Amend the following variations for El Al Israel Airlines:

LY — EL AL ISRAEL AIRLINES

- ≠ LY-04 Dangerous goods not acceptable on El Al passenger aircraft: Table 3-1
7;1, 7;2
- Class 1 — Explosives
Except:
Those explosives in Division 1.4S permitted by the IATA Dangerous Goods Regulations.
- Class 2
Division 2.1 — Flammable gas
Division 2.2 — Non-flammable, non-toxic gas
Division 2.3 — Toxic gas
Except:
— Fire extinguishers, UN 1044;
— Oxygen compressed, UN 1072, Division 2.2 with subsidiary risk Division 5.1, as spare parts prior/after use of oxygen supply for passengers requiring medical attention may be carried on passenger aircraft provided the article is packed in specially designed containers, part no. 24303 and part no. 9353103;
— Compressed gas, n.o.s. — UN 1956.
- Class 3 — Flammable liquids
Except:
Perfumery products, UN 1266, packed according to Packing Instruction 353, Packing Group II or packed according to Packing Instruction 355, Packing Group III. May be carried on Boeing 747, Boeing 767 and Boeing 777 passenger aircraft, provided the products are palletized in a maximum of two pallets per aircraft (only one pallet per compartment).
- Class 4
Division 4.1 — Flammable solids
Division 4.2 — Spontaneously combustible
Division 4.3 — Dangerous when wet
- Class 5
Division 5.1 — Oxidizing substances
Division 5.2 — Organic peroxides

Class 6

Division 6.1 — Toxic substances, Packing Group I and/or II

Except:

- 1) Medicine, liquid, toxic, n.o.s.,* UN 1851.
- 2) Medicine, solid, toxic, n.o.s.,* UN 3249.
- 3) Toxic substances, without a subsidiary risk, Packing Group III.

Division 6.2 — Infectious substances

Except:

- 1) Infectious substance, affecting animals, UN 2900
- 2) Infectious substance, affecting humans, UN 2814
- 3) Biological substance, Category B — UN 3373

Class 9 — Miscellaneous dangerous goods

Except:

- 1) Life-saving appliances, self-inflating, UN 2990 and Air bag inflators, Air bag modules or Seat-belt pretensioners, UN 3268
- 2) Consumer commodity, ID 8000, Packing Instruction Y963, prepared according to the IATA Dangerous Goods Regulations.
- 3) Battery-powered vehicle or Battery-powered equipment, UN 3171 or Engines, internal combustion, Vehicle flammable gas powered or Vehicle flammable liquid powered, UN 3166, may be carried on passenger aircraft, provided the standard precautions for carriage include defuelling so that the fuel and/or diesel engines have no more than one quarter tank of fuel.
- 4) Shipments of crated self-propelled vehicles and equipment such as cars, motorcycles and lawnmowers must be carried as per the following regulations:
 - loading in an upright position;
 - retaining up to one quarter tank of gasoline or diesel.
- 5) Engine internal combustion, UN 3166 — jet engines must be totally defuelled and the air waybill must show the following mandatory shipper statement:

“We hereby declare that the engines have been defuelled completely and no evidence of leakage of fuel and oil are shown.”

Note.— Shippers wishing to ship crated items mentioned above must be advised of EI AI requirements and be requested to state on the air waybill that “EI AI regulations have been complied with.”
- 6) Magnetized material, UN 2807.
- 7) Carbon dioxide, solid (dry ice), UN 1845, not more than 200 kg per hold and not more than 400 kg in the lower deck.
- 8) Lithium metal batteries, UN 3090, Lithium metal batteries contained in equipment, UN 3091, Lithium metal batteries packed with equipment, UN 3091, Lithium ion batteries, UN 3480, Lithium ion batteries contained in equipment, UN 3481, Lithium ion batteries packed with equipment, UN 3481:
 - Fully regulated lithium ion batteries as per Section I of Packing Instructions 965-967;
 - Fully regulated lithium metal batteries as per Section I of Packing Instructions 968-970.
- 9) Environmentally hazardous substance, liquid, n.o.s.*, UN 3082 and Environmentally hazardous substance, solid, n.o.s.*, UN 3077

≠ LY-05 Dangerous goods not acceptable on EI AI cargo aircraft:

Table 3-1

Class 2, Division 2.3 — Toxic gas.

Class 6, Division 6.1 — Toxic substances, liquids having a vapour inhalation toxicity of Packing Group I.

Class 9: Carbon dioxide, solid (Dry ice), UN 1845

- No more than 200 kg per hold, and no more than a total of 400 kg in the lower decks.
- No more than 3 000 kg in cargo aircraft main deck.

Note.— *Livestock must not be loaded in the vicinity of dry ice.*

Amend the following variation for Air Mauritius:

MK — AIR MAURITIUS

- ≠ MK-03 Class 1 — Explosives will not be accepted for carriage, with the exception of explosives in Division 1.4S, UN 0012 and UN 0014. UN 0323 will only be accepted as COMAT (aircraft parts), all packed for passenger aircraft. 2;1
Table 3-1

Delete the variations for MX — Mexicana Airlines.

Amend the following variation for Mongolian Airlines:

OM — MONGOLIAN AIRLINES

- ≠ OM-04 Dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage. (Exception: ID 8000 — Consumer commodity will be accepted.) (See 3;4 of these Instructions, 2.7 of the IATA Dangerous Goods Regulations and all “Y” packing instructions.) 3;4

Amend the following variation for Austrian Airlines:

OS — AUSTRIAN AIRLINES

- ≠ OS-03 Dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage. (Exception: ID 8000 — Consumer commodity will be accepted.) (See 3;4 of these Instructions, 2.7 of the IATA Dangerous Goods Regulations and all “Y” packing instructions.) 3;4

Add the following variation for Asiana Airlines:

OZ — ASIANA AIRLINES

- + OZ-08 All liquid dangerous goods shipments must be packed in accordance with the following requirements in addition to specified packing instructions: 4;1
6;1
- a) single packagings and composite packagings must be overpacked except single packaging code 1A1, 1A2 and composite packaging code 6HA1;
 - b) shipments specified in a) must be overpacked on a suitably sized wooden or plastic pallet to protect at least the top and bottom of the packaging.

Delete the variations for QA — Mexicana Click.

Replace the variations for Qatar Airways as follows:

QR — QATAR AIRWAYS

- ≠ QR-01 UN 1845 — Carbon dioxide, solid (dry ice) is restricted as follows: Table 3-1
- Maximum of 200 kg per aircraft hold (aft and bulk holds are considered as one hold) on all aircraft types except B777F.
 - B777F-400 kg in lower deck (total in FWD + AFT + Bulk). Total dry ice quantity in lower deck and main deck must not exceed 1 000 kg.
- ≠ QR-02 Dangerous goods are not accepted in courier and airmail. 1;2.3
- + QR-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 during an emergency concerning each of the dangerous goods being transported. This telephone number, including the country and area code, preceded by the words “Emergency contact” must be inserted on the shipper’s declaration for dangerous goods (DGD) in the “Handling information” box.

- + QR-04 The following will not be accepted for carriage on Qatar Airways passenger flights: 4;11
- UN 3090 — Lithium metal batteries;
 - UN 3091 — Lithium metal batteries contained in equipment;
 - UN 3091 — Lithium metal batteries packed with equipment.

The above include both Section I (fully regulated) and Section II (excepted) lithium batteries.

Amend the following variations for Tampa Cargo:

QT — TAMPA CARGO

- ≠ QT-01 Not used.
- ≠ QT-02 Mercury — UN 2809 will be accepted for carriage provided the following conditions are complied with: Table 3-1
4;1
- only combination packaging will be accepted;
 - outer packaging must have a strong inner lining, or bags of strong leak-proof, puncture-resistant material, impervious to mercury and must meet Packing Group I performance standards; and
 - must be overpacked with a plastic skid.

Amend the following variations for European Air Transport — DHL:

QY — EUROPEAN AIR TRANSPORT — DHL

- ≠ QY-01 Dangerous goods shipments transported by European Air Transport Leipzig GmbH (EAT) will only be accepted by advance arrangements with, and approval by, the Regional Restricted Commodities Group — DHL Express Europe Headquarters before presenting for transport.
- Regional Restricted Commodities Group — DHL Express Europe Headquarters
Telephone: +49 (0) 341 4499 4949
Facsimile: +49 (0) 4499 88 4982
Email: rcgalert@dhl.com
- ≠ QY-02 The waybill for dangerous goods in "Excepted Quantities" must show the applicable UN number in addition to the requirements of 2.6.8.2. 3;5
- ≠ QY-03 All lithium batteries, including refurbished, prepared under Section II of Packing Instructions 965 to 970 will only be accepted for carriage with the approval of the Regional/Global Restricted Commodities Group — DHL Express Europe Headquarters. 4;11
- ≠ QY-08 Handwritten shipper's declarations will not be accepted. The following fields on the shipper's declaration must be typed or computer generated: 5;4

UN or ID number including the prefix, proper shipping name, hazard class or division, subsidiary risk or division(s), packing group, packaging type, packing instruction, authorization and emergency telephone number.

Note.— The technical name, when required, may be handwritten.

For radioactive shipments, in addition to the items listed above, the following must also be typed or computer generated:

Radionuclide, special form or physical and chemical form. All other entries may be handwritten.

Handwritten alterations/amendments to an entry required to be typed per QY-08 are acceptable if each alteration/amendment is legible and signed with the same signature used to sign the shipper's declaration.

Amend the following variation for Royal Jordanian:

RJ — ROYAL JORDANIAN

≠ RJ-02 Not used.

Delete the variations for SJ — Southern Air Transport.

Amend the following variation for Air Namibia:

SW — AIR NAMIBIA

≠ SW-02 Dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage. 3;4
(Exception: ID 8000 — Consumer commodity will be accepted.) (See 3;4 of these Instructions, 2.7
of the IATA Dangerous Goods Regulations and all “Y” packing instructions.)

Add the following new variations for JSC Siberia Airlines:

+ S7 — JSC SIBERIA AIRLINES

S7-01 Shipment of dangerous goods transported by Siberia Airlines will only be acceptable after getting 5;4
advance approval from Siberia Airlines. Requests for dangerous goods shipments must be made
on the special form of approval (form is provided by request) and sent to the following email
address: cgo@s7.ru. 7;4

The form of approval is to be attached to the set of accompanying documents and forwarded on
board to the crew by the handling company at the airport of departure.

S7-02 Patient specimens will only be accepted if assigned to UN 2814 or UN 2900 or UN 3373 as 2;6
appropriate. Biological substance, Category B — UN 3373 may only be accepted for carriage Table 3-1
under necessary requirements and after a prior Siberia Airlines written approval has been
granted.

S7-03 The shipper must provide a 24-hour emergency telephone number of a person/agency who is 5;4
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 on the shipper’s declaration for dangerous goods in the “Additional
Handling Information” box, e.g. “Emergency Contact +7 495 123 45 78”.

Add the following new variation for Air Caraibes:

+ TX — AIR CARAIBES

TX-01 Uniquement les matières radioactives de la classe 7 catégorie 1 étiquette blanche code IMP 2;7
RRW (voir le § B.2.2.4 de la *Réglementation pour le transport des marchandises dangereuses* de Table 3-1
l’IATA) dont le rayonnement maximal en tout point de la surface externe est inférieure à 5 micro 5;1
sievert par heure sont acceptées au transport.

Only radioactive material Category I-White (IMP code RRW (see B.2.2.4 of the IATA Dangerous
Goods Regulations)) where the maximum radiation level at any point on any external surface of
a package or overpack does not exceed 5 µSv/h is accepted for transport.

Replace the variations for United Airlines with the following:

UA — UNITED AIRLINES

≠ UA-01 All liquid dangerous goods, in all classes and divisions, must be packed in combination 1;3
packagings. Single packagings are not allowed. An overpack, by definition, is not a combination 4;1
packaging. (See 5.0.1.5 and Appendix A of the IATA Dangerous Goods Regulations.)

- ≠ UA-02 Division 6.1 toxic substances are only accepted: 2;6
Table 3-1
- on B747, B767, B777, B787 or other containerized cargo aircraft;
 - when these shipments are Packing Group II or Packing Group III;
 - when they are for medical purposes only;
 - when there is no inhalation toxicity; and
 - when the shipper's declaration for the toxic materials contains a certifying statement that the shipment contains materials intended for use in, or incident to, medical purposes.
- ≠ UA-03 The carriage of UN 1845 — Carbon dioxide, solid (dry ice) is limited by aircraft type and the weight of the dry ice must be provided at booking in order to determine whether aircraft limits would be exceeded. 2;9
Table 3-1
5;3
7;2.11
- United Express and regional partners are limited to:
- 2.5 kg net weight per package
35 kg net weight per aircraft
- ≠ UA-04 Not used.
- ≠ UA-05 Not used.
- ≠ UA-06 Not used.
- ≠ UA-07 Not used.
- ≠ UA-08 Not used.
- ≠ UA-09 Not used.
- ≠ UA-10 Not used.
- UA-11 Not used.
- UA-12 Not used.
- UA-13 Not used.
- ≠ UA-14 Not used.

Add the following new variations for Srilankan Airlines:

- + **UL — SRILANKAN AIRLINES**
- UL-01 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 on the shipper's declaration for dangerous goods, preferably in the "Additional Handling Information" box. (See 5;4 of these Instructions and 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.) 5;4

This will be applied on shipments to, from or transiting through Sri Lanka. The 24-hour emergency telephone number is not required for shipments that do not require a shipper's declaration for dangerous goods.

Additional information or operator approval can be obtained from:

Dangerous Goods Policies Manager
Srilankan Airlines
Cargo Centre
Bandaranike International Airport
Katunayake
Sri Lanka
Telephone: +94 1 9733 2422
 +94 1 9733 2455
Teletype: CMBDGUL
Facsimile: +94 1 9733 5288
Email: cargodg@srilankan.aero

UL-02 Items listed in the IATA Dangerous Goods Regulations or these Instructions which are totally forbidden or forbidden on passenger aircraft will not be accepted for transportation. Table 3-1

UL-03 Prior approval from the carrier is needed for shipments of explosives and weapons.

UL-04 Dangerous goods in airmail will not be accepted for carriage. 1;2,3

UL-05 A brief text in the English language indicating the nature of the risk involved must appear on all hazard labels. The text should appear prominently in English in the lower half of the label as described in 5;3.5 of these Instructions and 7.2.2.4 of the IATA Dangerous Goods Regulations. 5;2
5;3

Package and overpack markings required by these Instructions and the IATA Dangerous Goods Regulations must be completed in English in addition to the language which may be required by the State of Origin. (See 5;2.5 of these Instructions and Figure 7.3.A through Figure 7.3.V, Figure 7.4.A and 10.7.7 of the IATA Dangerous Goods Regulations.

UL-06 Prior approval is required for shipments containing radioactive material. Information can be obtained from: 2;7

Atomic Energy Authority
Head, Radiation Protection
No. 60/460, Baseline Road
Orugodawatta
Wellampitiya
Sri Lanka
Telephone: +94 11 2533427-8 or
 +94 11 2534209
Facsimile: +94 11 2533448
Email: anil@aea.ac.lk

UL-07 Gaseous oxygen or air cylinders required for medical use will not be accepted for carriage. Contact carrier for more details.

Amend the following variation for Air Europa:

UX — AIR EUROPA

≠ UX-02 Dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage (except for ID 8000 — Consumer commodity, COMAT, AOG, aircraft parts and supplies). (See 3;4 of these Instructions, 2.7 of the IATA Dangerous Goods Regulations and all “Y” packing instructions.) 3;4

Add the following new variations for Air Tahiti:

+ VT — AIR TAHITI

VT-01 Dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage. (see 3;4 of these Instructions, 2.7 of the IATA Dangerous Goods Regulations and all “Y” packing instructions.) 3;4

VT-02	Specific limitations apply to the following items carried as cargo (ask the carrier by email at resp-md@airtahiti.pf): <ul style="list-style-type: none">— Gases of Division 2.1 and Division 2.3;— Solids of Division 4.2 and Division 4.3;— Radioactive materials of Category II-Yellow and III-Yellow (“RRY” code).	Part 5 7;2
VT-03	From any station other than the main base (Tahiti-Faa’a), only fifteen types of dangerous goods are accepted (ask the carrier).	
VT-04	For carriage of dangerous goods of Packing Group I, and for carriage of dangerous goods in excepted quantities, prior approval from the Air Tahiti dangerous goods manager is required.	Table 3-1 3;4
VT-05	Not used.	
VT-06	Different dangerous goods packed in one outer package are not accepted, except for carbon dioxide, solid (UN 1845) used as a refrigerant.	4;1.1.9
VT-07	All Dangerous goods packages must show the package orientation label (“THIS WAY UP”) and the hazard label(s) on at least two opposite sides and must be loaded in the upright position.	5;3.2.12 b) 7;2
VT-08	Medical and clinical wastes, infected animals and venomous animals are not accepted for carriage.	2;6
VT-09	The carriage of Carbon dioxide (dry ice), UN 1845 is limited to 10 kg per package and two packages per aircraft.	4;11 7;2

Add the following new variation for Air Caraibes Atlantique:

+ 8X — AIR CARAIBES ATLANTIQUE

8X-01	Only radioactive material Category I-White (IMP code RRW (see B.2.2.4 of the IATA Dangerous Goods Regulations)) where the maximum radiation level at any point on any external surface of a package or overpack does not exceed 5 µSv/h is accepted for transport.	2;7 Table 3-1 5;1
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Amend the following variation for Southern Air:

9S — SOUTHERN AIR

≠ 9S-1	Not used.	
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