

Dear DG Friends,
Let me introduce you:

IATA DGR ADDENDUM STICKERS

According to:
IATA Dangerous Goods Regulations 57th Edition
Addendums – I & II

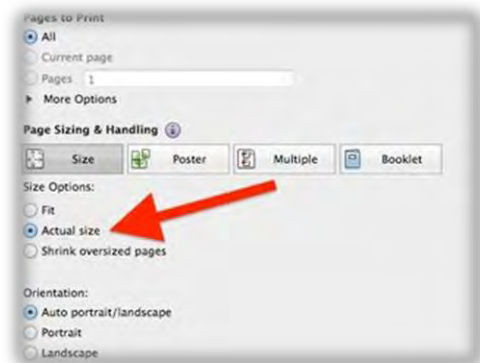
Instruction to be followed, while sticking changes and new provision into IATA DGR 57th Edition Manual:

STEP 1

Print out on normal plain paper below document.

REMEMBER TO SET UP A PRINTER!

Select:
"Actual Size" and
"Auto portrait/landscape" from the print menu.



STEP 2

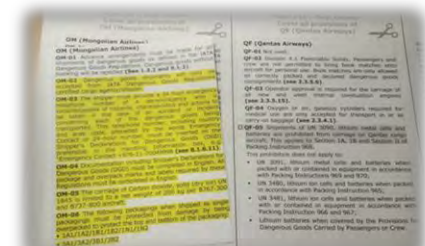
Load **A4 STICKER PAPER** into **COLOUR** PRINTER (select above print menu settings) and start printing.



STEP 3

Cut off very carefully all Addendum provisions from the sticker paper **(follow the grey line!)**

Place them on the documents which you have printed in Step 1, it will help you to stick all addendum provisions into IATA DGR Manual very easy and very fast.



Addendum I – Effective 1 January 2016 is highlighted with **yellow colour**; and
Addendum II – Effective 26 February 2016 is highlighted with **blue colour**.

When you end sticking all Addendum provisions into IATA Dangerous Goods Regulations Manual **do not forget** to fill out "Record of Addendum" on page XIX!



TOMASZ RUDOLF

DGR/ADR Instructor at DHL

DGR Instructor & Advisor / Owner at DGRudolf



<https://www.linkedin.com/in/tomrudolf/>



Page 27 – First column
Stick close to top line

at any time. Gas refills for such curlers are not permitted in checked or carry-on baggage.

△ 2.3.5.9 Portable Electronic Devices (Including Medical Devices) containing Batteries

Portable electronic devices, which may include medical devices such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops and tablets containing batteries when carried by passengers or crew for personal use, which should be carried in carry-on baggage. Spare batteries must be individually protected to prevent short circuits by placement in the original retail packaging or by otherwise insulating terminals, e.g. by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch and carried in carry-on baggage only. In addition, lithium batteries are subject to the following conditions:

Page 35 – Second column
Stick under Fiji

France	FRG
<input type="checkbox"/> Ghana	GHG
Germany	DEG
Hong Kong	HKG
India	ING
<input type="checkbox"/> Indonesia	IDG

Page 64 – First column
Stick under: "The following operators have..."

Airline	Code
ABSA Cargo	M3
Adria Airways	JP
Aer Lingus	EI
Aerogal	2K
Aerolineas Argentinas	AR
AEROMEXICO	AM
AeroPero	PL
Air Algerie	AH
Air Astana	KC
Air Austral	UU
<input type="checkbox"/> Air Baltic	BT

Page 64 – Second column
Stick between Top line and Austral Lineas...

Airline	Code
Astral Aviation	8V
Atlasjet Airlines	KK
<input type="checkbox"/> Atlasjet Ukraine	UH

Page 64 – Second column
Stick under Garuda Indonesia

<input type="checkbox"/> GOL Airlines	G3
Llc GloBus	GH
Great Walls Airlines	IJ
Gulf Air	GF

Page 65 – First column
Stick between Iran Air and Jett8 Airlines Cargo

Japan Airlines	JL
Jazz Aviation LP	OK
Jet Airways	9W
JetBlue Airways	B6
Jetstar	JO
Jetstarasia	3K
<input type="checkbox"/> Jetstar Japan	GK
<input type="checkbox"/> Jetstar Pacific	BL

Page 45 – First column
Stick under FRG-07

FRG-08 Not used.
FRG-09 Not used.

Page 69 – First column
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4M (LAN Argentina)

4M-01 Dangerous Goods offered for transport under and approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Argentina conditioned by preapproval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

Page 68 – Second column
Cover all 4M (LAN Argentina) variations on this page

4C-11 Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Page 68 – Second column
Stick close to Top line

△ 4C-06 The marking required by 7.1.5 and application of hazard and handling labels on packages containing dangerous goods must not be applied to the top or bottom of packages. These markings and labels must be applied to the sides of packages. This requirement does not apply to:

- the marking of the full name and address of the shipper and consignee;
- the lithium battery handling label (7.2.4.7.1).

⚠ 4C-07 Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LAN Dangerous Goods Technical Committee (**see 4C-01**).

△ 4C-08 Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (**see Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note: The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 45 – Second column
Stick close to Top line

GHG (Ghana)

GHG-01 The Ghana Civil Aviation Authority Legislation requires that the transportation of all classes of dangerous goods is done in accordance with the ICAO Technical Instructions on the Safe Transport of Dangerous Goods by Air, IATA Dangerous Goods Regulations and Ghana Civil Aviation (Safety) Regulations [L.I. 2000] Part 18.

GHG-02 The Ghana Civil Aviation Authority Legislation expressly forbids the transportation of the following items by aircraft, except with the prior permission from Ghana Civil Aviation Authority and in accordance with conditions mentioned in this permission:

- Weapons and ammunition;
- Explosives, unless required on board the aircraft for its operation;
- Poisonous gases;
- Infectious substances;
- Radioactive material, radioisotopes and similar substance;

GHG-03 The transportation of arms, ammunition and all classes of explosives from/to/through Ghana requires prior permission to be obtained from the National Security (Ministry of Interior) and Ghana Civil Aviation Authority.

GHG-04 The operator must be responsible to coordinate with the shipper and consignee to return any remaining unclaimed, damaged and/or leaking dangerous goods to the State of origin whenever instructed to do so by GCAA.

All applications should be directed to:

The Director-General
 Ghana Civil Aviation Authority
 Private Mail Bag
 Kotoka International Airport, Accra, GHANA
 Telephone: +233 (0) 302-776171
 Fax: +233 (0) 302-773293
 Sita: ACCIYX; AFTN: DGAAFYX
 email: info@gcaa.com.gh
 Website: www.gcaa.com.gh

GBG (United Kingdom)

GBG-01 National regulations require that most explosives which are to be imported be classified before they are brought into the United Kingdom, by HM Explosives Inspectorate of the Health and Safety Executive or the Explosives Storage and Transport Committee. It is the responsibility of the importer to obtain the classification. Explosives manufactured in the United Kingdom are required to have been classified before they are transported.

GBG-02 The following requirements apply to aircraft registered:

- (a) in the United Kingdom no matter where they are operating; and
- (b) in a State other than the United Kingdom and which are 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 United Kingdom:

Aircraft may only carry dangerous goods with the prior approval of the Civil Aviation Authority. Carriage of such goods must be in compliance with the Technical Instructions. Application for permission should be made at least 10 working days before the date of the first flight on which dangerous goods are to be carried and should be submitted to:

Civil Aviation Authority - Dangerous Goods Office
 1W, Aviation House, Gatwick Airport, South Area
 Gatwick, West Sussex. UNITED KINGDOM RH6 0YR
 Tel: +44 (1293) 573 800 / Fax: +44 (1293) 573 991
 E-mail: dgo@caa.co.uk

EU-OPS aircraft

Aircraft registered in a State other than the United Kingdom and which are required to operate under and in accordance with EU-OPS do not require the approval of the Civil Aviation Authority providing an approval granted by such a State is held.

(see Subsection 1.4 and 9.1.2).

GBG-03 Not used

Page 47 – First column
Cover all ING (India) variations

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.

ING-02 For transportation of radioactive materials to/from/within India (not over India), the operator must 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
 Niyamak Bhavan, Anushakti Nagar
 Radiological Safety Division,
 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, is required. Application for such permission may be addressed to:

The Director General of Civil Aviation
 Opposite Safdarjung Airport
 Technical Centre
 New Delhi 110003. INDIA
 Tel: +91 (11) 2462 2495
 Fax: +91 (11) 2462 9221

IDG (Indonesia)

IDG-01 Air operators wishing to carry dangerous goods into, transiting or out of Indonesia must obtain a dangerous goods permit from Directorate General of Civil Aviation c.q Directorate of Aviation Security. All applications are to be made on prescribed forms and addressed to the Indonesian Authority for Dangerous Goods Transported by Air.

IDG-02 Air operators wishing to carry dangerous goods Class 1 (explosive), except Division 1.4, Division 6.2 (infectious substances) and Class 7 (radioactive) overflying Indonesia must notify the National Authority for Dangerous Goods Transported by Air in Indonesia.

Page 130 – Second column
Stick under VT-01 provision

VT-02 Only Radioactive Materials of Category I White ("RRW" code) are accepted for carriage. The only exception is for UN 3332, Radioactive material, Type A package, special form, with a Transport Index not exceeding 1, shipped exclusively by the Laboratoire des Travaux Publics.

Page 889 – First column
Stick under Sweden contact details

Switzerland

Swiss TS Technical Services AG
 Richtstrasse 15
 CH-8304
 Wallisellen
 SWITZERLAND
 Tel: +41 (1) 877 6144
 Fax: +41 (1) 877 6202
 E-mail: info@swissts.ch
 Website: www.swissts.ch

Page67 – First column
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2.8.4 List of Operator Variations

The variations are listed in alpha-numeric order according to the code assigned.

2K (Aerogal)

2K-01 Wheelchairs with spillable or wet batteries are accepted if battery has been removed from the chair and packed according to 2.3.2.3 and 9.3.14.

2K-02 Not used.

△ **2K-03** Not used.

⚠ **2K-04** Fissile radioactive material will not be accepted for transport (**see 10.5.13**).

⚠ **2K-05** Radioactive materials will only be accepted for transportation when they are intended for diagnostic purposes, medical treatment, industrial or research.

2K-06 UN 2809 mercury will be accepted for transport provided that it complies with the following conditions:

(a) combination packaging;

△ (b) the outer packaging must include a solid inner lining or leak proof bags, resistant material to perforations, impervious to mercury and must meet the performance standards of Packing Group I; and

(c) must be overpacked in a plastic box.

2K-07 Arrangement with the airline is necessary for packages that contain dry ice.

△ **2K-08** Not used.

3K (Jetstar Asia)

3K-01 Not Used

3K-02 Division 4.1 flammable solids, Passengers and Crew are not permitted to bring book matches onto aircraft for personal use. Book matches are only allowed as correctly packed and declared Dangerous Goods Consignment (**see 2.3.5.6**).

△ **3K 03** New or used internal combustion engines will not be accepted for carriage in passenger baggage.

3K 04 Oxygen or air, gaseous cylinders required for medical use are only accepted for transport in or as carry-on baggage (**see 2.3.4.1**).

△ **3K 05** Dangerous goods consigned as cargo are not accepted for carriage on any Jetstar Asia aircraft.

The only exceptions are:

- aircraft stores and equipment when prepared for transport in accordance with the current IATA Dangerous Goods Regulations; and
- UN 1845 Carbon dioxide solid/dry ice, maximum of 145 kg per flight, when used as refrigerant for non-dangerous goods.

□ **3K-06** Shipments of UN 3090, lithium metal cells and batteries are prohibited from carriage on Jetstar Asia aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

Shipments exempt from this provision are:

- UN3091, lithium metal cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 969 and 970;
- UN3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instruction 966 and 967;
- Lithium batteries when in accordance with the Provisions of Dangerous Goods Carried by Passengers or Crew.

□ **3K-07** Shipments of UN 3480, lithium ion batteries, including lithium polymer batteries, are prohibited from carriage as cargo on Jetstar Asia aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.

Shipments exempt from this provision are:

- UN 3480, lithium ion batteries (including polymer batteries), when shipped as AOG spares;
 - The words "AOG Spares" must be entered in the "Additional Handling Information" on the Shipper's Declaration or on the airway bill when no Shipper's Declaration is required in the Handling Information or 'Nature and Quantity of Goods'.

Page 67 – Second column
Stick close to Top line

- UN3480, lithium ion batteries (including lithium polymer batteries), when shipped for use in Urgent Life-Saving Devices (where no other means of transport is available);

- The words "Urgently required to Support Life-Saving Devices" must be entered in the 'Additional Handling Information' on the Shipper's Declaration or on the airway bill when no Shipper's Declaration is required in the 'Handling Information' or 'Nature and Quantity of Goods'.

The above exempt shipments must:

- not exceed 100kg net each;
- comply with all relevant parts of the Dangerous Goods Regulations (eg. Shipper's Declaration if applicable);
- not exceeding 100kg total per aircraft; and
- be loaded into lower cargo compartment only

□ 3V (TNT Express)

3V-01 Dangerous goods in TNT Express Air Network (including UN 3480 and UN 3090, Section 1A, 1B & II), will be accepted from approved customers only after TNT and Customer have agreed on specific dangerous goods related requirements and conditions. Contact the local TNT office for details of these requirements as well as the application procedure for the "approved customer status".

3V-02 Lithium ion and lithium metal batteries in TNT's General Cargo services:

- UN 3480 and UN 3090 of Section II are strictly forbidden;
- UN 3480 and UN 3090 of Section IA and IB are subject to prior approval. A copy of the Shipper's Declaration and the UN test report must be provided at the time of booking;
- UN 3481 and UN 3091, all Sections are acceptable if in compliance with the IATA DGR.

4C (LAN Colombia)

4C-01 Dangerous goods offered for transport under an approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Colombia conditioned by pre-approval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

In addition UN 1040 and UN 2014 when shipped as excepted quantities in accordance with the provisions of Special Provisions A131 and A75 respectively also require prior review and approval of the LATAM Dangerous Goods Technical Committee.

An application for approval must be undertaken at least 15 working days of the scheduled date for the flight attaching the SDS or other documentation that covers the shipment. Applications should be addressed to:

△ LAN Colombia Dangerous Goods Department
 E-mail: DangerousGoodsBoard@lan.com

△ **4C-02** 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 declaration for dangerous goods.

An emergency response telephone number is not required for:

- Battery powered equipment
- Battery powered vehicle
- Flammable gas powered vehicle
- Flammable liquid powered vehicle
- Engine, internal combustion
- Dangerous goods in Limited Quantities as described in 2.7
- Carbon dioxide, solid (Dry Ice)
- Consumer commodity
- Refrigerating machines

Page 69 – Second column Stick under 4M-05

△ **4M-06** The marking required by 7.1.5 and application of hazard and handling labels on packages containing dangerous goods must not be applied to the top or bottom of packages. These markings and labels must be applied to the sides of packages. This requirement does not apply to:

- the marking of the full name and address of the shipper and consignee;
- the lithium battery handling label (7.2.4.7.1).

△ **4M-07** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the IATA Dangerous Goods Technical Committee (see **4C-01**).

△ **4M-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see **Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note: The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 70 – First column Stick under 4M-10

□ **4M-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

5X (United Parcel Service)

The most current information about UPS services and restrictions may be found at the following web site: <http://ups.com/hazmat>

5X-01 Shipments of Dangerous Goods in the UPS Small Package service with an origin and destination within the USA will be accepted by contract only, in accordance with the current UPS "Hazardous Materials Guide." This information is posted under the SUPPORT topic on the UPS Home Page (www.ups.com). See also the SITE GUIDE on UPS Home Page www.ups.com, at the link for "Hazardous Materials." Users may also locate the UPS Guide for Shipping Hazardous Materials by using the SEARCH function on the website.

△ **5X-02** UPS International Small Package service rules and restrictions apply to all dangerous goods shipments with an origin and/or destination outside of the USA. Such shipments, including Biological Substances, Category B, will be accepted by contract only (see **5X-01 above for USA domestic shipments**). Countries available for service are shown at the following web site in the column for "Biological Substances, Category B":

www.ups.com/content/us/en/resources/ship/idg/information/acl.html When shipping packages requiring an IATA Shipper's Declaration for Dangerous Goods, combination packagings must be used and packages must not exceed 30 kg gross weight. When applicable, not more than three compatible different dangerous goods may be contained

Page 72 – Second column Cover AA-03 provision

△ **AA-03** Mercurial barometers will not be accepted for carriage as carry-on or checked baggage, except for persons identified in Section 2.3.3.1 of the IATA DGR.

Page 72 – Second column Cover AA-08 provision

△ **AA-08** Not used.

Page 73 – Second column Stick close to the edge of the page and over AH provisions

AF (Air France)

AF-01 Not used.

AF-02 Not used.

AF-03 Prior Air France approval is required for transport of dangerous goods under appropriate National Authorities exemptions or approvals (see **1.2.5 and 1.2.6**).

AF-04 Lithium metal batteries and cells, UN 3090, are FORBIDDEN as cargo on Air France cargo aircraft only. This only applies to Section I (IA and IB) of Packing Instruction 968, including those being shipped under an approval issued by an appropriate authority under special provisions A88 or A99.

This prohibition does not apply to lithium metal batteries and cells, UN 3090:

- shipped in accordance with Section II of PI 968.
- covered by the provisions for dangerous goods carried by passengers or crew (see **Table 2.3.A**).
- presented as Air France company materials (COMAT).

Page 77 – Second column Stick under FX-18 provisions and cover all GA provisions on this page

□ G3 (GOL Airlines)

G3-01 These classes will not be accepted for carriage, unless prior approval and arrangement with the airline:

- Class 1 – Explosives
- Class 2 – Gases
- Class 3 – Flammable Liquids
- Class 4 – Flammable Solids; Substances Liable to Spontaneous Combustion; Substances Which In Contact with Water, Emit Flammable Gases
- Class 7 – Radioactive Material

Requests for authorization must be made in advance via e-mail to the following address:

email: gr-controldequalidadego@voegol.com.br

Note:

The most current information about GOL Airlines and restrictions may be found at the following web site:

Website: <http://voegol.com.br>

Page 97 – First column Cover KL-06 provision

△ **KL-06** When built on or in a ULD, UN 3480 Lithium Ion Batteries shall be loaded into a lower deck unit load device (ULD). Therefore Shipper built ULDs containing UN 3480 Lithium ion batteries prepared in accordance with PI 965, Section II as permitted by paragraph 9.1.4.1(g) shall be offered for carriage as a lower deck ULD.

Page 71 – First column

Stick under 5X-05

5X-06 To maintain compliance with USG-18, for the following listed materials, UPS requires all packages to comply with U.S. DOT packaging requirements contained in 49 CFR 173.302(f) and 173.304(f). Such packagings must be marked with the text "DOT31FP" on the outer package. Affected entries are:

UN 1070—Nitrous oxide-see 49 CFR 173.340(f)

UN 1072—Oxygen, compressed-see 49 CFR 173.302(f)

UN 2451—Nitrogen trifluoride-see 49 CFR 173.302(f)

UN 3156—Compressed gas, oxidizing, n.o.s. -see 49 CFR 173.302(f)

UN 3157—Liquefied gas, oxidizing, n.o.s.-see 49 CFR 173.304(f)

UN 3356—Oxygen generator, chemical-see 49 CFR 173.168
—Carbon dioxide and oxygen mixture, compressed-see 49 CFR 173.304(f)

5X-07 The following limitations apply to the commodities identified here:

- Depending on required routing, shipments of UN3480, Lithium ion batteries prepared in accordance with Section II of PI 965 may need to be returned to shippers due to prohibitions on carrying such shipments aboard passenger aircraft. **Please refer to UPS.com for details.**
- Shipments of refurbished lithium batteries, or refurbished lithium batteries packed with or contained in equipment are not accepted unless specifically approved by the UPS Air Dangerous Goods Department (SDF);
- Shipments of lithium batteries in any UPS air services (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services) which require the use of Special Provisions A88, A99 or A183 are subject to and must receive prior approval from the UPS Air Dangerous Goods Department (SDF);
- For UPS Small Package service, shipments of UN3171, **Battery-powered vehicle**, will only be accepted under the following conditions:
 - Passenger aircraft quantities only; not accepted as CAO;
 - Shipment is limited to a maximum gross weight of 30 kg;
 - Vehicle containing lithium battery or batteries therein that would separately be classified as UN3480 or UN3090. The battery contained in the vehicle is limited to 5 kg maximum net weight.

Page 76 – First column

Stick under AS-12 and cover AU provisions

AS-13 UN 3480 lithium ion cells and batteries (including lithium polymer batteries) are prohibited from carriage as cargo on Alaska Airlines passenger-carrying aircraft. This applies to Section IA, IB and II of Packing Instruction 965. Shipments prepared in compliance with PI 965 are limited to Alaska's cargo-only aircraft service.

Exception: UN 3480 Lithium ion cells and batteries (including lithium polymer batteries) prepared in compliance with PI 965 as AAG COMAT when shipped by or to Alaska Airlines or Horizon Air Stores Departments are permitted on Alaska Airlines passenger carrying aircraft.

AU (Austral Lineas Aereas)

AU-01 Dangerous goods in excepted quantities will not be accepted (see Subsection 2.6).

AU-02 All blood products for transfusion and biological specimens from human or animal origin, must be transported as cargo. They are not permitted as baggage.

AU-03 Dangerous goods as defined in these Regulations will not be accepted in air mail (see 2.4 and 10.2.2).

AU-04 Wheelchairs or other battery-powered mobility devices with spillable batteries will be accepted only when the battery is removed from the wheelchair or mobility device. The spillable battery, classified as dangerous goods, can only be carried as cargo, in accordance with the requirements of these Regulations (see 2.3.2.3 and 9.3.14).

Page 71 – Second column

Stick close to the edge of the page and over 5X-08 provisions

— For shipments of UN3171 powered by lithium batteries, UPS requires the additional marking, "Contains Lithium Batteries." The marking must meet the requirements as stated in 7.1.4.4.1 and be near the proper shipping name mark;

— Vehicle containing a wet, non-spillable battery or batteries therein that would separately be classified as UN 2800. The battery contained in the vehicle is limited to 25 kg maximum net weight.

Shipments of UN 3171, Battery-powered vehicle, containing defective or damaged batteries are not accepted by UPS.

- Shipments of UN3077, **Environmentally hazardous substance, solid, n.o.s.** will not be accepted when contained in Intermediate Bulk Containers (IBCs) in any UPS air services (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services);
- Shipments of UN 2807, **Magnetized materials**, for which the magnetic field strength exceeds 0.00525 gauss when measured at 4.6 m from any surface of the package are not accepted in UPS services (including UPS Small Package; UPS Air Freight services or UPS Air Cargo services);
- Shipments of UN3245, **Genetically modified organisms or Genetically modified micro-organisms** with an origin and/or destination outside the U.S. are not accepted in UPS small package services. For UPS Air Freight shipments, case-by-case approval is required to assure the ability to import or transit the shipments within countries involved.

Page 73 – First column

Stick under AC-02

AC-03 Salvage packaging will not be accepted for carriage (see 5.0.1.6, 6.0.6, 6.7, 7.1.5 and 7.2.3.10).

AC-04 Aircraft engines shipped under special provision A70, must be tendered with an original copy of the purged certificate, and signed by the company that performed the maintenance or overhaul (see Packing Instruction 950).

AC-05 Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel must be classified as Engines, internal combustion, flammable liquid powered, UN 3166, Class 9 or as Vehicle, flammable liquid powered, Class 9, UN3166, as appropriate.

AC-06 The number of packages of Section II Lithium Batteries in Packing Instructions 966-967, 969 and 970 must be indicated on the Air Waybill.

AC-07 Effective March 1, 2016, Air Canada will not accept UN 3480, lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN 3480, lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of PI 965.

Note:

AC-07 will no longer be applicable effective April 1, 2016, as UN3480 Lithium ion batteries will be forbidden as cargo on passenger aircraft.

AC-08 UN 3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- an indication that the vehicle is powered by lithium ion batteries, and **the net weight of lithium ion batteries in each vehicle** must be added to the "Additional Handling Information" section on the Shipper's Declaration for Dangerous Goods;
- vehicles must be equipped with an effective means of preventing accidental activation.

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

Page 78 – First column

Stick under BI-02 & cover BR provisions

□ BL (Jetstar Pacific)

BL-01 Dangerous goods consigned as cargo are not accepted for carriage on any Jetstar Pacific aircraft.

BR (EVA Airways)

Notes:

1. Items from EVA's/UNI's Comat materials and EGAT's AOG materials which are listed in subsection 4.2 will be exempted from the applicability of BR-01, BR-02, BR-03, BR-08 and BR-18.
2. EVA/UNI material and EGAT'S AOG material containing Lithium metal batteries (RLM) (PI 968-PI 970) must be declared "Cargo Aircraft Only" (CAO) on DGD and labeled with the "Cargo Aircraft Only" handling label.
3. The restrictions listed in all EVA Variations do not apply to materials for R.O.C Military Logistic Command except BR-07, BR-15, BR-16, BR-17 and BR-19.

Page 79 – First column

Stick under BR-19 & cover all BW provisions

□ BT (airBaltic)

BT-01 All lithium metal cells and batteries (including lithium alloy batteries) are prohibited from carriage as cargo and in mail on airBaltic aircraft. This applies to UN 3091 in all Sections of PI 969 and PI 970.

BT-02 All radioactive materials including excepted packages - RRY, RRW and RRE are prohibited from carriage as cargo and in mail on airBaltic aircraft.

BT-03 Small lithium battery-powered personal transportation devices are forbidden for carriage by passengers and crew in carry-on or checked-in baggage or on one's person.

Page 86 – First column

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FJ (Fiji Airways)

⚠ **FJ-01** Radioactive material, including all categories of excepted packages, will not be accepted for transport (see 10.10.2).

△ **FJ-02** Oxygen or air, gaseous, cylinders required for medical or other uses are not permitted in as passenger's checked or carry-on baggage and on one's person. Should a passenger require supplemental oxygen, a prior request must be made to Fiji Airways Limited (see 2.3.4.1). Supplemental Oxygen Kit (SOK) shall be provided by Fiji Airways Limited.

△ **FJ-03** UN 3480, lithium ion batteries are not permitted as cargo. This applies to Sections IA, IB and II of PI 965.

Stick this visit card in the first soft page of IATA Dangerous Goods Regulations Manual

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Page 79 – Second column

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BT-04 Oxygen or air, gaseous, small cylinders required for medical use. Personal medical oxygen devices are not accepted on the person, in checked and in carry-on baggage. Portable oxygen during transportation of sick passengers when oxygen is required for entire flight will be provided by airBaltic.

Note:

Personal medical oxygen devices that utilise liquid oxygen are forbidden on the person, in checked and in carry-on baggage.

BT-05 Mobility aids: Battery-powered wheelchairs or other similar mobility devices with spillable batteries. Spillable batteries by airBaltic can be accepted only as air cargo, properly packed, marked, labelled, documented according to the DGR. These batteries are forbidden for carriage by passenger in carry-on or checked-in baggage or on one's person.

BT-06 Camping stoves and fuel containers are forbidden for carriage by passenger in carry-on or checked-in baggage or on one's person.

BW (Caribbean Airlines)

BW-01 Caribbean Airlines will not accept for carriage on its aircrafts, substances with primary or subsidiary risk of Division 6.1 in any form.

BY (Thomson Airways)

BY-01 Thomson Airways will not accept for transport dangerous goods in classes 5 and 8 on B767 and B787 aircraft with a net quantity in excess of 1 L or 5 kg per package. This restriction does not apply to battery powered mobility aids described in 2.3.2.2 and 2.3.2.3.

Note:

This restriction does not apply to Thomson Airways B737 and B757 aircraft where carriage of classes 5 & 8 are allowed in accordance with these Regulations.

BZ (Blue Dart Aviation Ltd.)

BZ-01 Class 1 – Explosives including fire extinguishers containing cartridges (Cartridges power device of Division 1.4C or 1.4S) will not be accepted for carriage (see Packing Instructions 101-143 and Packing Instruction 213).

BZ-02 Dangerous goods in airmail will not be accepted (see Subsection 2.4).

BZ-03 Class 7, only the following radioactive material will be accepted.

- radioactive material in "excepted packages";
- radioactive material packaged in Type A packages;

Class 7 radioactive material in categories I, II or III will be accepted for carriage provided the radioactive material is intended for medical diagnosis or treatment or medical and/or industrial research.

BZ-04 Radioactive material requiring a Fissile label, radioactive and fissile wastes will not be accepted for carriage.

BZ-05 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 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 word "Emergency Contact" or "24-Hour number" must be inserted in the Shipper's Declaration for Dangerous Goods. In the "handling information" box (see 8.1.6.11 and 10.8.3.11).

BZ-06 Dangerous goods in airmail will not be accepted (see Subsection 2.4).

BZ-06 Prior clarification must be taken from the operator for sending shipments containing magnets under UN 2807. Refer to instructions under Packing Instruction 953.

BZ-07 Dangerous Goods listed in the List of High Consequence dangerous goods will not be accepted for carriage. However, dangerous goods of Division 6.2, infectious substances in category A (UN 2814 and UN 2900) and substances of Division 6.1 in Packing Group I will be accepted subject to prior approval by Blue Dart.

BZ-08 Dangerous goods forbidden unless exempted will not be accepted for carriage.

BZ-09 Dangerous Goods offered for transport under state exemptions or approvals (e.g. required by Special

Page 80 – First column
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CA provisions on this column

CA (Air China)

▲ **CA-01** Dangerous goods in consolidations will not be accepted for carriage, except for:

- consolidations with only one house air waybill;
- 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 of Class 9, (excluding UN 3480 Lithium ion batteries and UN 3090 Lithium metal batteries);
- consolidations having multiple house air waybills with different shippers/consignees containing only ID 8000, Consumer commodity and/or UN 1266, Perfumery products and/or UN 1845, dry ice.

CA-02 Not used.

CA-03 Not used.

CA-04 Sufficient absorbent material to absorbent the contents of all inner packagings must be used for combination packagings containing corrosive liquids in Packing Groups I, II and III.

CA-05 The telephone or facsimile number of the consignee must be shown on the Air Waybill (see 8.3 and 10.8.8).

▲ **CA-06** Dangerous goods originating from China will not be accepted for carriage in air mail, except for radioactive materials in excepted packages which meet the requirement of 2.4.1 in these regulations (see 2.4 and 10.2.2).

CA-07 Dangerous goods in excepted quantities originating from China will not be accepted, except for radioactive materials in excepted packages (see 2.6 and 10.5.8).

CA-08 Cold storage for dangerous goods is not available, except when Carbon dioxide, solid (Dry ice) is used as a refrigerant for non dangerous goods (see Packing Instruction 954).

Page 133 – First column
Stick under XL-06 provision

▲ **XL-07** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LATAM Dangerous Goods Technical Committee (see XL-01).

▲ **XL-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

XL-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by LAN Perú Dangerous Goods Department (see XL-01).

Page 80 – Second column
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CA-09 Fireworks originating from China will not be accepted for carriage (see Packing Instruction 135).

CA-10 Single packagings including composite packagings containing liquid dangerous goods are not accepted for carriage unless overpacks are used. Such overpacks must be strong enough for carriage.

CA-11 The following dangerous goods are not accepted for carriage on Air China's international and domestic passenger flights:

- Class 1 explosives with exception of 1.4.8.
- Division 2.3 toxic gas with exception of aerosols.
- Division 6.1 toxic substance of Packing Group I.
- Division 6.2 category A infectious substance, except when transported under the needs of the Ministry of Health of China, the CDC of China and the Ministry of Forest of China.
- Class 7 Radioactive Material in Type B or in Type C packaging with III-yellow category.

CA-12 Oxygen or air, gaseous cylinders required for medical use are not permitted in passengers' checked or carry-on baggage and on one's person. Should a passenger require supplementary oxygen, a prior request must be made to Air China Limited (see 2.3.4.1).

□ **CA-13** UN 3480, lithium ion batteries (Section IA, Section IB and Section II) prepared in compliance with PI 965, UN 3090 Lithium Metal Batteries (Section IA, Section IB and Section II) prepared in compliance with PI 968 are not accepted as cargo.

□ **CA-14** Each passenger and crew member is not permitted to carry more than 8 spare batteries in total. Included in the total of eight spare batteries are:

- not more than 2 lithium ion batteries with a watt-hour rating exceeding 50 Wh but not exceeding 100 Wh or 2 lithium metal batteries, with a lithium metal content exceeding 1 g but not exceeding 2 g;

Notes:

1. No more than two power banks are permitted.
2. Lithium ion batteries, lithium metal batteries or power banks without any clear marks of the Watt-hour or lithium metal content or where the Watt-hour rating can't be calculated are forbidden.

- the permitted number of spare lithium batteries for wheelchairs or other mobility aids is included in the total of 8 spare batteries, and must comply with the relevant requirements for wheelchairs and other mobility aids.

CI (China Airlines)

▲ **CI-01** The following dangerous goods will not be accepted for carriage on China Airlines' passenger flights:

1. Class 1 to Class 8; except for UN 2908, UN 2909, UN 2910, UN 2911, UN 3164 meeting requirements of PI208(a) and UN 3373;
2. fully regulated lithium ion batteries (Class 9) as per Section IA and IB of PI 965 and Section I of PI 966-PI 967 (RLI);
3. fully regulated lithium metal batteries as per Section I of PI 969 – PI 970 (RLM).

Note:

The above prohibitions do not apply to CI company material.

CI-02 Dangerous goods in excepted quantities will not be accepted, except for radioactive materials, excepted package (see Subsection 2.6).

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

- (a) consolidations having one master air waybill with one or more house air waybill(s) containing only dangerous goods; or
- (b) consolidations containing the following dangerous goods and general cargo:
 - UN 1845 Carbon dioxide, solid (Dry ice) when used as a refrigerant for non-dangerous goods;
 - UN 2807 Magnetized material as per PI 953 and with field strength no more than 0.418 A/m of 0.00525 Gauss measured at a distance of 4.6 m,
 - ID 8000 Consumer commodity/UN 1266 Perfumery product;

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

Page 84 – Second column

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△ **EI-02** Not used.

EI-03 Salvage packaging will not be accepted for transport (**see 5.0.1.6, 7.1.4 and 7.2.3.10**).

△ **EI-04** UN3480 Lithium Ion Batteries. Lithium Ion batteries and cells are prohibited from carriage as cargo on EI passenger carrying aircraft (**see Packing Instruction 965**)

□ **EI-05** Dangerous goods as defined in these regulations will not be accepted in Air Mail.

EK (Emirates)

EK-01 An emergency response contact number provided by the shipper must be inserted in the Additional Handling Information box of the Shipper's Declaration for Dangerous Goods (**see 8.1.6.11 and 10.8.3.11**).

△ **EK-02** The following dangerous goods will not be accepted for carriage as cargo on Emirates:

- UN 3090–Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 968. This prohibition includes lithium metal batteries shipped under an approval in accordance with Special Provision A88 and A99 and exemption in accordance with Special Provision A201.
- UN 3480–Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 965. This prohibition includes lithium ion batteries shipped under an approval in accordance with Special Provision A88 and A99.

Note:

*The prohibitions for lithium batteries do not apply to 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**)*

- UN 2809 – Mercury.

□ **ES (DHL Aviation EEMEA)**

△ **ES-01** Dangerous Goods shipments transported by DHL Aviation EEMEA (DHX) will only be accepted by advance arrangements and approval by the Regional Restricted **Commodities** Group–DHL Express **Europe Headquarters** before presenting for transport:

Regional Restricted Commodities Group–DHL Express **Europe Headquarters**

Tel: +49 (0) 341 4499 4949

Fax: +49 (0) 341 4499 88 4942

email: rcgalert@dhl.com

Page 854 – First column

Stick & cover Switzerland (CH) contact details

Switzerland (CH)

Federal Office of Civil Aviation (FOCA)

Safety Division – Flight Operations

Operations of complex airplanes

P.O. Box 41

8048 Zurich Airport

SWITZERLAND

Tel: +41 (58) 465 8039

Fax: +41 (43) 816 4066

email: gefahrhut@bazl.admin.ch or info@bazl.admin.ch

Page 272 – Subsection 4.2 - Blue Pages

UN 3480 – Lithium ion batteries

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A99
A154
A164
A183
A201

Page 88 – First column

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G3-02 Infectious substances will be accepted subject to prior arrangements in accordance with the following:

- the shipper must provide proof that the shipment legally accepted for transport and all State requirements have been met;
- the shipper must send to the airline a certificate signed by a doctor, dentist or other similar professional that the shipments meets the criteria for Biological Substances Category B;

Infected Animals are not accepted for transport.

G3-03 Dangerous goods will not be accepted for transport by airmail.

G3-04 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 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, preferably in the "Handling Information" box (**see 8.1.6.11 and 10.8.3.11**).

This is not required for the following:

- limited quantities as described in 2.7;
- dry ice; and
- consumer commodities;

G3-05 Dangerous goods must not be consolidated with non-dangerous goods.

G3-06 Fissile material shall not be accepted for carriage.

G3-07 UN 3480 (Lithium ion batteries), UN 3090 (Lithium metal batteries) and UN 3091 (Lithium metal batteries contained in or packed with equipment) are prohibited from carriage as cargo on airline passenger carrying aircraft. This prohibition does not apply to: Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 or PI 967. Electronic cigarettes containing lithium batteries are prohibited for transport as Cargo on GOL Aircraft.

GA (Garuda Indonesia)

GA-01 Advance arrangements must be made for all shipments of dangerous goods as defined in these Regulations (**see 1.3.2 and 9.1.2**).

GA-02 Dangerous Goods in consolidations will not be accepted for carriage, the only exception is consolidations having one master air waybill with one house air waybill (**see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5**).

GA-03 Except for ID 8000, Consumer commodity, dangerous goods in Limited Quantities ("Y" packing instructions) will not be accepted for carriage (**see Subsection 2.7 and all "Y" Packing Instructions**).

△ **GA-04** Where any doubt arises regarding the classification or identification of a substance, the shipper must provide, upon request by Garuda Indonesia or its representative, the Material Safety Data Sheet (MSDS) for the substance. The MSDS must include the UN number, packing group if necessary, proper shipping name, and all other relevant transport information.

GA-05 Dangerous goods in excepted quantities will not be accepted for carriage.

GA-06 All combination packagings containing liquid dangerous goods in PG I, II or III must contain sufficient absorbent material to absorb the entire contents of all the inner packagings.

GA-07 Prior authorization from BAPETEN is required for the transportation of radioactive material to, from and through Indonesia territory by Garuda Indonesia (see Appendix D.2).

GA-08 Liquid dangerous goods packed in single packagings will not be accepted unless safely overpacked by placing the packages on suitably sized plastic, foam or wooden pallet to protect the base of the packaging.

GA-09 Overpacks that completely cover the package(s) inside the overpack will not be accepted for carriage.

GA-10 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.

□ **GA-11** Dangerous goods forbidden unless exempted will not be accepted for carriage.

□ **GA-12** The carriage of ammunition in checked baggage is not permitted on board Garuda Indonesia International flight.

Page 88 – Second column
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GA-13 Oxygen or Air, gaseous, cylinders required for medical use permitted on one's person will be provided by Garuda Indonesia. Passengers are not allowed to use their own oxygen bottle. Passenger's oxygen bottle may be carried in cabin and as checked baggage after approval has been obtained.

GA-14 Salvage packaging will not be accepted for carriage

GF (Gulf Air)

GF-01 Only explosives of Division 1.4S are acceptable for carriage and only with prior approval from Gulf Air (see Packing Instructions 101–143).

GF-02 Prior approval is required for the carriage of Munitions of War, sporting weapons and ammunition (see Packing Instructions 101–143).

GF-03 The carriage of dangerous goods in excepted quantities is restricted. Apply to Gulf Air for details (see Subsection 2.6).

GF-04 The carriage of Limited Quantities of dangerous goods ("Y" packing instructions) is not permitted (see Subsection 2.7 and all "Y" Packing Instructions).

GF-05 Interline transfer of dangerous goods will only be accepted if a copy of the acceptance checklist accompanies the consignment together with the DGD and the AWB (see 9.1.3).

GF-06 The shipper must provide a 24-hour emergency telephone number of a person/agency who is knowledgeable of the hazards, characteristics and actions to be taken in the case of an accident or incident concerning each of the dangerous goods being transported. This telephone number, including the country and area code, preceded by the words "Emergency Contact" or "24-hour number," must be inserted on the DGD, preferably in the "Handling Information" box, e.g. Emergency Contact +47 67 50 00 00 (see 8.1.6.11 and 10.8.3.11).

GF-07 Fissile radioactive materials in any quantity will not be accepted for carriage on GF services (see 10.5.13 and 10.10.2).

GF-08 Salvage packaging will not be accepted for carriage on GF aircraft (see 7.1.4, 7.2.3.10).

GF-09 Division 6.2 Category A, infectious substance affecting animals (UN 2900) and humans (UN 2814) will be accepted only with prior approval (see Packing Instruction 620).

GF-10 Class 7 radioactive Materials of Categories I, II and III will be accepted for carriage, provided the total Transport Index (TI) in one package or in a group of packages must not exceed 3.0 for narrow bodied aircraft and 8.0 for wide bodied aircraft. Restriction applies for total TI per aircraft. Apply to GF.

GF-11 Class 9 Carbon dioxide, Solid (Dry ice) UN 1845 shipped by itself or used as a refrigerant will be restricted to maximum 200 kg per hold on any GF aircraft (see 9.3.11 and Packing Instruction 954).

GF-12 Not used.

GF-13 Wheelchairs or other battery-powered mobility devices with spillable batteries will be accepted only when the battery is removed from the wheelchair or mobility device and the removed battery classified as dangerous goods and carried only as cargo (see 2.3.2.3 and 9.3.14). Batteries attached or installed in the wheelchair or mobility devices will not be accepted (see 9.3.14).

GF-14 Lithium metal or lithium alloy cells and batteries (UN 3090) and lithium metal or lithium alloy cells and batteries packed with or contained in equipment (UN 3091) are prohibited from carriage as cargo on GF aircraft. This prohibition does not apply to GF company materials (see Packing Instructions 968, 969 and 970).

GF-15 Dangerous Goods in airmail will not be accepted for carriage on GF aircraft (see 2.4).

GF-16 Prior approval is required to carry dangerous goods in Division 1, 2.1, 3 & 8 as defined in these Regulations on all GF narrow bodied aircraft aft hold.

GH (Llc GloBus)

GH-01 Shipment of dangerous goods transported by Llc GloBus flights will only be acceptable after getting advance approval of Llc GloBus. Requests for dangerous goods shipments must be sent to the following email address:

email: cgo@s7.ru

Request for approval must be submitted and be made according to the special form of approval (form is provided by request). Form of approval 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.

Page 89 – First column
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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.

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 (any of) the dangerous goods being transported. This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the Shipper's DGD in the "Additional Handling Information" box, e.g. "Emergency Contact +7(495)-123-45-78".

GK (Jetstar Japan)

GK-01 Not used.

GK-02 Division 4.1 Flammable Solids. Passengers and crew are not permitted to bring book matches onto aircraft for personal use. Book matches are only allowed as correctly packed and declared dangerous goods consignments (see 2.3.5.6).

GK-03 New or used internal combustion engines will not be accepted for carriage in passenger baggage.

GK-04 Oxygen or Air, gaseous cylinders required for medical use are only accepted for transport in or as carry-on baggage (see 2.3.4.1).

GK-05 Shipments of UN 3090, lithium metal cells and batteries are prohibited from carriage on Jetstar aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

Shipments exempt from this prohibition are:

- UN 3091, lithium metal cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 969 and 970;
- UN 3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 966 and 967;
- Lithium batteries when carried in accordance with the Provisions for Dangerous Goods Carried by Passengers or Crew.

GK-06 Shipments of UN 3480 – Lithium ion cells and batteries, including lithium polymer batteries are prohibited from carriage as cargo on Jetstar aircraft. This applies to Section IA, IB and II of Packing Instruction 965.

Shipments exempted from this prohibition are:

- UN 3480 Lithium batteries (including polymer batteries), when shipped as AOG spares:
 - The words "AOG Spares" must be entered in the "Additional Handling Information" on the Shipper's Declaration or on the air waybill when no Shipper's Declaration is required in the Handling Information or "Nature and Quantity of Goods".
- UN 3480 Lithium ion batteries (including lithium polymer batteries), when shipped for used in urgent life-saving devices (where no other means of transport is available):
 - The words "Urgently required to Support Life-Saving Devices" must be entered in the "Additional Handling Information" on the Shipper's Declaration or on the air waybill when no Shipper's Declaration is required in the "Handling Information" or "Nature and Quantity of Goods".

The above exempt shipments must:

- not exceed 100 kg net each;
- comply with all relevant parts of the Dangerous Goods Regulations (e.g. Shipper's Declaration if applicable);
- not exceed 100 kg total per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

GL (Miami Air International)

GL-01 Prior approval is required for shipments containing mercury.

HA (Hawaiian Airlines)

HA-01 Division 6.1, Toxic substances are not accepted for carriage.

HA-02 Division 2.3, Toxic gases are not accepted for carriage (see Packing Instructions 200 and 206).

HA-03 Division 6.2, Infectious Substances are not accepted for carriage.

HA-04 Class 7 - radioactive material of any kind will not be accepted for carriage (see 10.10.2).

HF (TUIfly)

HF-01 Class 7, Fissile Radioactive Material will not be accepted for carriage on HF-flights (see 10.5.13 and 10.10.2).

Page 89 – Second column
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HQ (Thomas Cook Airlines)

HQ-01 Class 7—radioactive material of any kind will not be accepted for carriage (see 10.10.2).

HQ-02 Battery-powered wheelchairs or mobility-aids with spillable batteries will not be accepted (see 2.3.2.3 and 9.3.14).

HQ-03 Non-infectious specimens packed with small quantities of flammable liquid are not allowed on HQ as dangerous goods carried by passengers or crew (see 2.3.5.14).

HQ-04 Permeation devices are not allowed on HQ as dangerous goods carried by passengers or crew (see 2.3.5.16).

HV (Transavia Airlines C.V.)

HV-01 Class 7, Radioactive materials are not accepted for carriage (see 10.10.2).

HX (Hong Kong Airlines)

HX-01 Dangerous goods in excepted quantities will not be accepted for carriage (see 2.6).

HX-02 Excepted packages of radioactive materials will not be accepted for carriage (see 10.5.8).

HX-03 Interline transfer of dangerous goods will not be accepted for carriage.

HX-04 Dangerous goods in airmail will not be accepted for carriage (see 2.4).

HX-05 Dangerous goods in consolidation will not be accepted for carriage, except for:

- consolidations containing UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;
- consolidations with only one house air waybill.

HX-06 UN 3090 Lithium metal batteries. Lithium metal cells and batteries will not be accepted for carriage as cargo. This applies to Section IA, IB and Section II of Packing Instruction 968.

HX-07 UN 3480 Lithium ion batteries (including lithium polymer batteries). Lithium ion or lithium polymer cells and batteries will not be accepted for carriage as cargo. This applies to Section IA, IB and Section II of Packing Instruction 965.

I2 (IBERIA Express)

I2-01 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965).

This prohibition does not apply to:

- UN 3091 or UN 3481
- Lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A).

I2-02 Infectious substances, (UN 2814, UN 2900 and UN 3373) and biological products are not acceptable for carriage in mail.

I2-03 Hazardous waste in any form, as defined by any Regulation, will not be accepted for carriage (see Packing Instruction 622 and 8.1.3.4).

I2-04 Class 7, Fissile Radioactive Material will not be accepted for carriage on passenger aircraft (see 10.5.13 and 10.10.2).

IB (IBERIA, Líneas Aéreas de España)

IB-01 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on IB passenger carrying aircraft (see Packing Instruction 965).

This prohibition does not apply to:

- UN 3091 or UN 3481
- Lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A).

IB-02 Infectious substances, (UN 2814, UN 2900 and UN 3373) and biological products are not acceptable for carriage in mail (see Subsection 2.4).

IB-03 Hazardous waste in any form, as defined by any Regulation, will not be accepted for carriage (see Packing Instruction 622 and 8.1.3.4).

Page 92 – Second column
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aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

JJ-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by TAM Dangerous Goods Department (see JJ-01).

Shipper/Freight Forwarder must deliver a document certifying that the shipment:

- was prepared in secure premises and protected against unlawful interference during preparation, storage and transport, and
- packages comply with all Dangerous Goods Regulations requirements.

JJ-10 Chemical Oxygen Generators UN 3356 and cylinders containing Oxygen, compressed, UN 1072, Compressed gas, oxidizing, n.o.s., UN 3156; Liquefied gas oxidizing, n.o.s., UN 3157; Nitrogen trifluoride, UN 2451; and Nitrous oxide, UN 1070, transported to, from, through or within the United States, must be placed in outer packaging that bears the additional tested specification mark of DOT 31FP indicating compliance with 49 CFR 173.168.

JJ-11 Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

JL (Japan Airlines)

JL-01 A unit load device (ULD) containing dangerous goods other than those indicated in 9.1.4, which is transferred from another carrier, will not be accepted, unless otherwise approved by Japan Airlines.

JL-02 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo. This applies to Section IA, IB, and II of Packing Instruction 965.

This prohibition does not apply to lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passenger and Crew (see Table 2.3.A).

JL-03 Type B(M) Packages and/or any SCO, or LSA Materials in Industrial Packagings will not be accepted for carriage (see Subsection 10.5).

JL-04 Not used.

JL-05 Any Type B(U) Packages will not be accepted for carriage on passenger aircraft unless they are intended for use in or incident to medical diagnosis, treatment or research (see 10.9.3, 10.5.11 and 10.10.2).

Page 93 – Second column

Stick close to top line

JP-02 Dangerous goods are forbidden for carriage in Air Mail on board Adria Airways services. Embargo includes all dangerous goods exceptions permitted by UPU listed in 2.4.2 (a), (b), (c), (d) and (e).

JP-03 The following dangerous goods are forbidden to be carried by passengers on board Adria Airways services:

- spillable (lead-acid) batteries even when used for powering wheelchairs or other mobility devices;
- cylinders containing compressed oxygen even when required for medical use.

JQ (Jetstar)

JQ-01 Not used.

JQ-02 Division 4.1 Flammable Solids. Passengers and crew are not permitted to bring book matches onto aircraft for personal use. Book matches are only allowed as correctly packed and declared dangerous goods consignments (see 2.3.5.6).

JQ-03 New or used internal combustion engines will not be accepted for carriage in passenger baggage.

JQ-04 Oxygen or air, gaseous cylinders required for medical use are only accepted for transport in or as carry-on baggage (see 2.3.4.1).

□ **JQ-05** Shipments of UN3090, lithium metal cells and batteries are prohibited from carriage on Jetstar aircraft. This applies to Section IA, IB and Section II of PI 968.

- UN 3091, lithium metal cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 969 and 970;
- UN3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 966 and 967;
- Lithium batteries when carried in accordance with the Provisions for Dangerous Goods Carried by Passengers or Crew.

△ **JQ-06** Shipments of UN 3480–Lithium ion cells and batteries, including lithium polymer batteries are prohibited from carriage as cargo on Jetstar aircraft. This applies to Section IA, IB and II of Packing Instruction 965. Shipments exempt from this prohibition are:

- UN 3480 Lithium ion batteries (including lithium polymer batteries), shipped as A.O.G. spares:
 - The words "A.O.G. Spares" must be entered in the "Additional Handling Information" on the Shipper's Declaration or on the air waybill when no Shipper's Declaration is required in the "Handling Information" or "Nature and Quantity of Goods".
- UN 3480 Lithium ion batteries (including lithium polymer batteries), when shipped for use in urgent life-saving devices (where no other means of transport is available):
 - The words "Urgently required to Support Life-Saving Devices" must be entered in the "Additional Handling Information" on the Shipper's Declaration or on the air waybill when no Shipper's Declaration is required in the "Handling Information" or "Nature and Quantity of Goods".

The above exempt shipments must:

- not exceed 100 kg net each;
- comply with all relevant parts of the Dangerous Goods Regulations (e.g. Shipper's Declaration if applicable);
- not exceed 100 kg total weight per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

Page 95 – First column

Stick under KA-08 and cover all KC provisions on this column

KC (Air Astana)

KC-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 for which a Shipper's Declaration is required (see 8.0.1). This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the Shipper's Declaration 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).

Page 99 – Second column

Stick close to top line & over LZ-08 provision

⚠ **L7-07** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LATAM Dangerous Goods Technical Committee (see L7-01).

△ **L7-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 114 – First column

Cover OM-15 provision

OM-14 Dangerous goods originating from China will not be accepted for carriage.

Note:

The above requirement does not apply to Company Material.

△ **OM-15** Lithium metal and or lithium alloy cells and batteries packed with or contained in equipment (UN 3091) are prohibited from carriage as cargo on OM flights/aircraft (see PI 969 and PI 970).

Note:

The above requirement does not apply to Company Material.

Page 97 – Second column

Cover KQ-09 provision

△ **KQ-09** Primary (non-rechargeable) Lithium metal batteries and cells, UN 3090 and UN 3091 will be transported on Cargo Aircraft Only (CAO).

This prohibition does not apply to:

- (a) Lithium batteries covered by the provisions for dangerous goods carried by passengers or crew (see Table 2.3.A).

Page 95 – Second column

Stick close to top line

△ **KC-02** The following classes/divisions are NOT ACCEPTED for carriage:

- Class 1, Explosives, except Ammunition of Division 1.4S in passenger baggage, (permitted according to DGR 2.3)
- Division 6.2, Infectious substances;
- Class 7, Radioactive materials.

Carriage of all other Classes and Divisions requires pre-approval of KC Cargo Sales Head office (cargo@airastana.com).

KC-03 The carriage of Carbon Dioxide, solid (dry ice) UN1845 will be limited to the following:

- A 319/A 320/A 321–250 kg per aircraft (in AFT compartment ONLY)
- B 757/B 767–200 kg per aircraft (100 kg in FWD compartment; 100 kg in AFT compartment)

△ **KC-04** Not used.

△ **KC-05** Not used.

KC-06 Single packagings containing liquid dangerous goods are not acceptable for transport unless overpacked with, for example, a suitable sized wooden pallet to protect at least the top and bottom of the packagings (see 5.0.1.5).

△ **KC-07** Not used.

KC-08 Infected animals, dead or alive, will not be accepted for carriage.

KC-09 Dangerous goods consignments must be delivered early enough to allow sufficient time for the completion of the acceptance checks and document preparation. Shippers should contact the Local Cargo Sales Office to confirm the cut-off time (See 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

△ **KC-10** Radioactive materials, including all categories of excepted packages, are NOT ACCEPTED for carriage.

KC-11 Except for ID 8000, Consumer commodity, dangerous goods in Limited Quantities ("Y" packing instructions) are NOT ACCEPTED for carriage (see Subsection 2.7 and all "Y" Packing Instructions).

KC-12 Dangerous Goods in Excepted Quantities are NOT ACCEPTED for carriage (see Subsection 2.6).

□ **KC-13** Lithium ion or lithium polymer cells and batteries UN3480, packed in accordance with Section IA, IB and II of Packing Instruction 965 are forbidden for carriage as cargo on Air Astana aircraft.

KE (Korean Airlines)

△ **KE-01** Dangerous Goods, including Dangerous Goods in Excepted Quantity, Radioactive Material in Excepted Package and Lithium batteries (Section II PI 965, PI 968) in consolidations will not be accepted for carriage, except for the following shipments:

- consolidations having one master air waybill with one house air waybill;
 - Consolidations containing UN1845, Carbon dioxide solid (Dry ice) when used as refrigerant;
 - Lithium batteries Section II (PI 966, 967, 969, 970).
- (see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5)

Page 119 – First column

Cover QK-06 provision

△ **QK-06** The number of packages of Section II Lithium Batteries in Packing Instructions 966, 967, 969 and 970 must be indicated on the Air Waybill.

Page 96 – First column

Stick close to top line

KE-02 Reservations must be made well in advance for any shipment containing dangerous goods as defined in these Regulations (see 1.3.2 and 9.1.2).

KE-03 Shipper's Declarations for Dangerous Goods must be completed in English, with copies requested by KE but not less than 2 copies for each shipment (see 8.1.2.1 and 10.8.1.4).

All package and overpack markings required by these Regulations must also be completed in English.

△ **KE-04** For UN 3480, lithium ion batteries, Section IA, IB and II the shipper must clearly indicate that the lithium ion batteries are at no more than 30% state of charge. On the Shipper's Declaration this should be in the "Additional Handling Information" section. For UN 3480, Section II, the shipper must indicate this with the compliance statement on the air waybill.

△ **KE-05** Radioactive Type B(M), Type C packages and fissile materials packages will not be accepted for carriage.

△ **KE-06** Dangerous goods, including "Dangerous Goods in Excepted Quantity" and "Radioactive Material in Excepted Package", will not be accepted for carriage on KE's passenger flight. The only exceptions are UN 3166, ID 8000, UN 1845, UN 2807, UN 3373 and UN3481 / 3091 Section II (PI966, 967, 969, 970).

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 (see 5.0.2.14):

(a) Single Packaging using UN Specification Packaging is:

- acceptable if it is a Steel Drum (1A1 or 1A2) or Composite Packaging – plastic receptacle with outer steel drum (6HA1); or
- acceptable if it is overpacked by a strong wooden crate.

(b) Combination Packaging using Limited Quantity Packaging is:

- acceptable if it is overpacked by a strong wooden crate.

KK (Atlasjet Airlines)

KK-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 "Handling Information" box of the DGD and also outside of the package (see 8.1.6.11 and 10.8.3.11).

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

KK-02 Dangerous goods in consolidations will not be accepted for carriage except for the following shipments:

Page 109 – Second column

Stick over MD-02 provision

MD (Air Madagascar)

△ **MD-01** Fissile material as defined in these Regulations will not be accepted for carriage on board Air Madagascar aircrafts (see 10.5.13).

Page 99 – Second column Stick under LZ-10 & cover all LA provision

□ **L7-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

LA (LAN Airlines)

LA Variations apply to Lan Airlines and its Subsidiaries.

LA-01 Dangerous Goods offered for transport under and approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Airlines conditioned by pre-approval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

In addition UN 1040 and UN 2014 when shipped as excepted quantities in accordance with the provisions of Special Provisions A131 and A75 respectively also require prior review and approval of the LATAM Dangerous Goods Technical Committee.

Page 101 – Second column Stick under LG-02 & cover all LH provisions

LH (Deutsche Lufthansa/Lufthansa Cargo AG)

LH-01 Dangerous goods in "Limited Quantities" ("Y" Packing Instructions) will not be accepted for carriage. Exception: **Consumer commodity** (ID 8000) will be accepted (**see Subsection 2.7 and all "Y" Packing Instructions**).

△ **LH-02** Not used.

LH-03 Biological substance, Category B (UN 3373) will not be accepted in air mail (**see 2.4**).

LH-04 Oxygen generators will not be accepted.

△ **LH-05** UN 3373 Biological substance, Category B will be accepted as cargo if the packaging meets the requirements of Packing Instruction 620. Marking and entries on the air waybill must comply with IATA requirements for UN 3373.

101

Page 103 – First column Stick under LP-07 provision

△ **LP-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (**see Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 101 – First column Stick close to Top line

LA-13 Not used.

△ **LA-14** The marking required by 7.1.4 and application of hazard and handling labels on packages containing dangerous goods must not be applied to the top or bottom of packages. These markings and labels must be applied to the sides of packages. This requirement does not apply to:

- the marking of the full name and address of the shipper and consignee;
- the lithium battery handling label (**7.2.4.7.1**).

△ **LA-15** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LATAM Dangerous Goods Technical Committee (**see LA-01**).

△ **LA-16** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (**see Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

□ **LA-17** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

LD (Air Hong Kong)

LD-01 UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.

This prohibition does not apply to:

- lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 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**).

LD-02 All combination packagings containing liquid dangerous goods in Packing Groups I, II or III must contain sufficient absorbent material to absorb the entire contents of all the inner packagings.

LD-03 Not used.

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 country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the 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**).

Page 102 – First column

Stick close to Top line

▲ **LH-06** Fissile Material will not be accepted.

LH-07 Intermediate bulk containers (IBC) will not be accepted. Exception: The IBC packagings 11A, 21A, 11B, 21B, 11N, 21N and 11C will be accepted under the condition that they are stackable with a minimum toplod of 2,000 kg (stacking test load at least 3,600 kg). Advance arrangements with Lufthansa Cargo AG are required.

▲ **LH-08** The following restrictions apply to lithium ion and lithium metal batteries as follows:

1. UN 3480 Lithium ion batteries prepared in accordance with Section II of Packing Instruction (PI) 965 and UN 3090 Lithium metal batteries prepared in accordance with Section II of Packing Instruction (PI) 968 will not be accepted for carriage as cargo;

2. All consignments containing the following lithium batteries are prohibited as cargo on passenger aircraft and must be shown as Cargo Aircraft Only with packages bearing the Cargo Aircraft Only label:

- UN 3090 Lithium metal batteries prepared in accordance with Section IA and IB of PI 968;
- UN 3091 Lithium metal batteries packed with equipment prepared in accordance with Section I of PI 969;
- UN 3091 Lithium metal batteries contained in equipment prepared in accordance with Section I of PI 970;
- UN 3480 Lithium ion batteries prepared in accordance with Section IA and IB of PI 965
- UN 3481 Lithium ion batteries packed with equipment prepared in accordance with Section I of PI 966;
- UN 3481 Lithium ion batteries contained in equipment prepared in accordance with Section I of PI 967;

3. All consignments containing the following lithium batteries are permitted as cargo on passenger and cargo aircraft:

- UN 3481 Lithium ion batteries packed with equipment in accordance with Section II of PI 966;
- UN 3481 Lithium ion batteries contained in equipment in accordance with Section II of PI 967;
- UN 3091 Lithium metal batteries packed with equipment in accordance with Section II of PI 969;
- UN 3091 Lithium metal batteries contained in equipment in accordance with Section II of PI 970.

□ **LH-09** All consignments containing UN 3171 Battery-powered vehicle and Battery-powered equipment are prohibited on passenger aircraft and must be shown as Cargo Aircraft Only on the Shipper's Declaration with packages bearing the Cargo Aircraft Only label.

LP (LAN Peru)

LA-01 Dangerous Goods offered for transport under and approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Airlines conditioned by pre-approval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

In addition UN 1040 and UN 2014 when shipped as excepted quantities in accordance with the provisions of Special Provisions A131 and A75 respectively also require prior review and approval of the LATAM Dangerous Goods Technical Committee.

An application for approval must be undertaken at least 15 working days of the scheduled date for the flight

Page 103 – Second column

Stick close to Top line

LP-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by LAN Perú Dangerous Goods Department (see LP-01). Shipper/Freight Forwarder must deliver a document certifying that the shipment:

- was prepared in secure premises and protected against unlawful interference during preparation, storage and transport, and
- packages comply with all Dangerous Goods Regulations requirements.

▲ **LP-10** Chemical Oxygen Generators UN 3356 and cylinders containing Oxygen, compressed, UN 1072, Compressed gas, oxidizing, n.o.s., UN 3156; Liquefied gas oxidizing, n.o.s., UN 3157; Nitrogen trifluoride, UN 2451; and Nitrous oxide, UN 1070, transported to, from, through or within the United States, must be placed in outer packaging that bears the additional tested specification mark of DOT 31FP indicating compliance with 49 CFR 173.168.

□ **LP-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

LR (LACSA)

LR-01 Wheelchairs with spillable or wet batteries are accepted if battery has been removed from the chair and packed according to 2.3.2.3 and 9.3.14.

LR-02 Not used.

▲ **LR-03** Not used.

LR-04 Fissile radioactive material will not be accepted for transport (see 10.5.13).

▲ **LR-05** Radioactive materials will only be accepted for transportation when they are intended for diagnostic purposes, medical treatment, industrial or research.

LR-06 UN 2809 mercury will be accepted for transport provided that it complies with the following conditions:

- (a) combination packaging;
- (b) the outer packaging must include a solid inner lining or leak proof bags, resistant material to perforations, impervious to mercury and must meet the performance standards of Packing Group I; and
- (c) must be overpacked in a plastic box.

LR-07 Arrangement with the airline is necessary for packages that contain dry ice.

LR-08 Not used.

LU (LAN Express)

LA-01 Dangerous Goods offered for transport under and approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Airlines conditioned by pre-approval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

In addition UN 1040 and UN 2014 when shipped as excepted quantities in accordance with the provisions of Special Provisions A131 and A75 respectively also require prior review and approval of the LATAM Dangerous Goods Technical Committee.

An application for approval must be undertaken at least 15 working days of the scheduled date for the flight

Page 105 – Second column Stick under LX-05 provision

▲ **LX-06** The following items are not accepted for carriage as cargo:

- UN 3090 Lithium metal batteries–PI 968, Section IA, **IB and II**
- UN 3091 Lithium metal batteries packed with equipment–PI 969, Section I
- UN 3091 Lithium metal batteries contained in equipment–PI 970, Section I
- UN 3480 Lithium ion batteries–PI 965, Section IA, **IB and II**
- UN 3481 Lithium ion batteries packed with equipment – **PI 966, Section I**
- UN 3481 Lithium ion batteries contained in equipment – **PI 967, Section I**

Page 108 – First column Stick over M6 (AmeriJet) provision

□ **M3-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Page 114 – First column Cover OM-19 provision

▲ **OM-19** Lithium ion batteries as follows will not be accepted for carriage as cargo:

- UN 3480 Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Packing Instruction 965;
- UN 3481 Lithium ion and or lithium polymer cells and batteries packed with or contained in equipment, prepared in accordance with Section I of Packing Instructions 966 and 967.

Note:

The above restriction does not apply to MIAT-Mongolian Airlines Company Material-COMAT.

Page 111 – Second column Stick under MN-06 provision

□ **MN-07** Dangerous goods in apparatus (Fuel & Aircraft System Components), classified as UN 3363 will be accepted for transport, provided that Packing Instruction 962 is complied with. This is outside the Company Policy as specified in MN-01.

111

Page 854 – First column Stick close to the top line & over Syrian Arab Republic (SYR) contact details

Advice concerning the sending of radioactive material by post:

Swiss Post
Customer Service international
CH-3030 Bern
SWITZERLAND

Tel: +800 888 777 00 (for international calls)
Tel: 0800 888 100 (calls within Switzerland only)
email: international@post.ch

Page 105 – First column Stick close to Top line

LU-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by LAN Express Dangerous Goods Department (**see LU-01**). Shipper/Freight Forwarder must deliver a document certifying that the shipment:

- was prepared in secure premises and protected against unlawful interference during preparation, storage and transport, and
- packages comply with all Dangerous Goods Regulations requirements.

▲ **LU-10** Chemical Oxygen Generators UN 3356 and cylinders containing Oxygen, compressed, UN 1072, Compressed gas, oxidizing, n.o.s., UN 3156; Liquefied gas oxidizing, n.o.s., UN 3157; Nitrogen trifluoride, UN 2451; and Nitrous oxide, UN 1070, transported to, from, through or within the United States, must be placed in outer packaging that bears the additional tested specification mark of DOT 31FP indicating compliance with 49 CFR 173.168.

□ **LU-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

LX (Swiss International)

▲ **LX-01** Following class 7 articles or substances will not be accepted for carriage (**see Subsection 10.4**):

UN Number – Description

UN 2919—**Radioactive material, transported under special arrangement** non fissile or fissile excepted

UN 2977—**Radioactive material, uranium hexafluoride, fissile**

UN 3321—**Radioactive material, low specific activity (LSA-II)** non fissile or fissile excepted

UN 3322—**Radioactive material, low specific activity (LSA-III)** non fissile or fissile excepted

UN 3324—**Radioactive material, low specific activity (LSA-II), fissile**

UN 3325—**Radioactive material, low specific activity (LSA-III), fissile**

UN 3326—**Radioactive material, surface contaminated objects (SCO-I or SCO-II), fissile**

UN 3327—**Radioactive material, Type A package, fissile** non-special form

UN 3328—**Radioactive material, Type B(U) package, fissile**

UN 3329—**Radioactive material, Type B(M) package, fissile**

UN 3330—**Radioactive material, Type C package, fissile**

UN 3331—**Radioactive material, transported under special arrangement, fissile**

UN 3333—**Radioactive material, Type A package, special form, fissile**

LX-02 Except for ID 8000, **Consumer commodity**, dangerous goods in limited quantities ("Y" packing instructions) will not be accepted for carriage (**see Subsection 2.7 and all "Y" Packing Instructions**).

Page 107 – First column Stick over M6(AmeriJet) provision

▲ **M3-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (**see Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

M3-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by ABSA Dangerous Goods Department (**see M3-01**).

Shipper/Freight Forwarder must deliver a document certifying that the shipment:

- was prepared in secure premises and protected against unlawful interference during preparation, storage and transport, and
- packages comply with all Dangerous Goods Regulations requirements.

▲ **M3-10** Chemical Oxygen Generators UN 3356 and cylinders containing Oxygen, compressed, UN 1072, Compressed gas, oxidizing, n.o.s., UN 3156; Liquefied gas oxidizing, n.o.s., UN 3157; Nitrogen trifluoride, UN 2451; and Nitrous oxide, UN 1070, transported to, from, through or within the United States, must be placed in outer packaging that bears the additional tested specification mark of DOT 31FP indicating compliance with 49 CFR 173.168.

Page 109 – First column Stick under M7-10 & cover all MD provision

□ **M7-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Page 112 – First column Stick over MP (Martinair Holland) provision

□ **MN-08** Dry ice, UN 1845 will be accepted for transportation, provided that packing instruction 954 is complied with. This is outside the Company Policy as specified in MN-01.

□ **MN-09** Environmentally hazardous substance, liquid, UN 3082 will be accepted for transportation, provided that packing instruction 964 or Y964 is complied with. This is outside the Company Policy as specified in MN-01.

□ **MN-10** Biological substance, Category B, UN 3373 will be accepted for transportation, provided that packing instruction 650 is complied with. This is outside the Company Policy as specified in MN-01.

Page 109 – First column Stick close to top line & over M7-09 provision

▲ **M7-06** The marking required by 7.1.5 and application of hazard and handling labels on packages containing dangerous goods must not be applied to the top or bottom of packages. These markings and labels must be applied to the sides of packages. This requirement does not apply to:

- the marking of the full name and address of the shipper and consignee;
- the lithium battery handling label (7.2.4.7.1).

▲ **M7-07** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LATAM Dangerous Goods Technical Committee (**see M7-01**).

▲ **M7-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (**see Table 2.3.A**);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 118 – Second column Stick over QF (Quantas Airways) provision

□ **PZ-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Page 131 – First column Stick over VT-09 provision

▲ **VT-03** From any station other than the main base (Tahiti-Faa'a, "PPT" code), a limited list of approved dangerous goods is published (ask the carrier, email: resp-md@airtahiti.pf).

VT-04 For carriage of dangerous goods of Packing Group I and for carriage of dangerous goods in excepted quantities or de minimis quantities, prior approval from the Air Tahiti DG Manager is required (ask the carrier by e-mail at resp-md@airtahiti.pf).

VT-05 Not used.

VT-06 Not used.

VT-07 All dangerous goods packages must show the package orientation label ("This Way Up" label) and two hazard label(s) on two opposite sides (**see 7.2.4.4**).

▲ **VT-08** Medical and clinical wastes and infected animals are not accepted for carriage.

Page 118 – First column Stick under PZ-07 provision

△ **PZ-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

PZ-09 Unit load devices or freight containers containing dangerous goods described in 9.1.4 letter (a) to (d) or Lithium Batteries prepared under Section II of PI 965 to 970, will be accepted by advance arrangements and contract only, in accordance with the current "Accreditation Freight Forwarder Program" implemented by TAM Dangerous Goods Department (see PZ-01).

Shipper/Freight Forwarder must deliver a document certifying that the shipment:

- was prepared in secure premises and protected against unlawful interference during preparation, storage and transport, and
- packages comply with all Dangerous Goods Regulations requirements.

△ **PZ-10** Chemical Oxygen Generators UN 3356 and cylinders containing Oxygen, compressed, UN 1072, Compressed gas, oxidizing, n.o.s., UN 3156; Liquefied gas oxidizing, n.o.s., UN 3157; Nitrogen trifluoride, UN 2451; and Nitrous oxide, UN 1070, transported to, from, through or within the United States, must be placed in outer packaging that bears the additional tested specification mark of DOT 31FP indicating compliance with 49 CFR 173.168.

Page 104 – Second column Stick under LU-07 provision

△ **LU-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 387 – First column

Stick under A200 provision & cover two lines of SP A201. They were moved to the next column

Page 119 – First column Stick under QK-04 provision

QK-05 Internal combustion engines, being shipped either separately or incorporated into a machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel must be classified as Engines, internal combustion, flammable liquid powered, UN 3166, Class 9. Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc. (see Packing Instruction 950).

△ **QK-06** The number of packages of Section II Lithium Batteries in Packing Instructions 966, 967, 969 and 970 must be indicated on the Air Waybill.

△ **QK-07** Effective March 1, 2016, Jazz Aviation will not accept UN3480, Lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN3480, Lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of Packing Instruction 965.

Note:

QK-07 will no longer be applicable effective April 1, 2016, as UN3480 Lithium ion batteries will be forbidden as cargo on passenger aircraft.

△ **QK-08** UN 3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- an indication that the vehicle is powered by lithium ion batteries, and **the net weight of lithium ion batteries in each vehicle** must be added to the "Additional Handling Information" section on the Shipper's Declaration for Dangerous Goods;
- vehicles must be equipped with an effective means of preventing accidental activation.

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging, must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

Page 120 – Second column Stick under RJ-02 provisions

RO (TAROM Airlines)

⚠ **RO-01** Class 7 Radioactive material of any kind will not be accepted for carriage.

RO-02 Shipments containing the following dangerous goods will not be accepted for transport on ATR aircraft:

- Division 2.1-Flammable gases
- Division 2.2-Non-flammable, non-toxic gas, except:
 - foodstuffs, including carbonated beverages (except UN 1950);
 - balls intended for use in sports;
 - tyres which meet the provisions of Special Provision A59;
 - light bulbs, provided they are packaged so that the projectile effects of any rupture of the bulb will be contained within the package;
 - empty receptacles for non-toxic and non-flammable gas.
- Division 2.3-Toxic gases
- Division 4.1-Metal powders
- Division 5.2-Organic peroxides
- Division 6.1-Toxic Substances
- Division 6.2-Infectious substances included in Category A
- Class 8-Corrosives substances assigned to Packing Group I and II;

Page 119 – Second column
Stick close to the edge of the page and
over all QT (Tampa Cargo) provisions

QR (Qatar Airways)

QR-01 Not used.

QR-02 Dangerous goods are not permitted in the following:

- air mail, including those items permitted by 2.4.2;
- Qatar Airways express cargo product "courier baggage voucher (CBV).

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 "Handling Information" box of the DGD.

QR-04 The following will not be accepted for carriage on Qatar Airways passenger flights:

- 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) (see PI 969–970).

QR-05 Class 8 - Corrosives. The following items will not be accepted on Qatar Airways passenger and cargo aircraft:

- UN 2803—Gallium;
- UN 2809—Mercury; and
- UN 3506—Mercury contained in manufactured articles including those listed in A69.

QR-06 Not used.

QR-07 The following dangerous goods will not be accepted for carriage as cargo:

- UN 3090—Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA and IB of Packing Instruction 968. UN 3090 prepared in accordance with Section II of Packing Instruction 968 will be accepted for carriage.
- UN 3480—Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA and Section IB of Packing Instruction 965. UN 3480 prepared in accordance with Section II of Packing Instruction 965 will be accepted on both passenger and cargo aircraft.

Page 109 – First column
Stick close to the edge of the page & over
UC (LAN Cargo) provisions

United Express and regional partners are limited to:

- 2.5 kg net per package;
- 35 kg net per aircraft.

UA-04 UN 3480 Lithium Ion Batteries, Packing Instruction 965 Section IA, IB and II will not be accepted for carriage as cargo.

- Exception will be made for United Airlines Company materials.

UA-05 UN 3171, Battery-powered vehicle will not be accepted by United Airlines. In addition, devices containing lithium ion batteries will not be accepted as follows:

- the device with the installed lithium ion battery meets the definition of a vehicle as set out in Special Provision A21;
- the lithium ion battery is packed with a device that meets the definition of a vehicle as set out in Special Provision A21.

Page 124 – Second column
Stick close to top line & over TK-06 provisions

TK-02 Emergency Response:

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 "Handling Information" box of the DGD and also outside of the package (see 8.1.6.11 and 10.8.3.11).

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

TK-03 Dangerous goods in consolidations will not be accepted for carriage except for the following shipments:

- Consolidated shipments/consolidations containing Carbon dioxide, solid (dry ice) when used as a refrigerant;
- One master air waybill with one house air waybill;
- One master air waybill with more than one house air waybill, which have the same shipper and different consignees.

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

TK-04 Booking and confirmation are required for all dangerous goods shipments as defined in these regulations (see 1.3.2 and 9.1.2).

Turkish Cargo Reservation Department:

Tel: +90 212 465 22 22

Fax: +90 465 24 78

ISTFCTK

TK-05 UN 2809, Mercury and UN 3506, Mercury contained in manufactured articles are forbidden for carriage as cargo. The prohibition does not apply to manufactured articles containing mercury that meet the provisions of Special Provision A69.

Page 121 – First column
Stick over all RS (Sky Regional...) provisions

RO-03 Shipments containing the following categories of dangerous goods will be accepted on ATR aircrafts only with airline's approval:

- Division 1.4S—Explosives
- Class 3—Flammable Liquids
- Division 4.1—Flammable Solids
- Division 4.2—Substances liable to spontaneous combustion
- Division 4.3—Substances which, in contact with water, emit flammable gases (dangerous when wet)
- Division 5.1—Oxidizing substances

Application for approval can be made at the following e-mail addresses:

email: sales.cargo@tarom.ro

email: mktng.cgo@tarom.ro

RO-04 Lithium ion or lithium polymer cells and batteries UN 3480 are prohibited for carriage as cargo on TAROM aircraft.

This applies to Section IA, Section IB and Section II of PI 965.

This prohibition does not apply to:

- Lithium metal or lithium alloy cells and batteries packed with or contained in equipment (UN 3091) in accordance with PI 969 and PI 970.
- Lithium ion or lithium polymer cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.

Page 121 – Second column Stick under RV-05 provisions

▲ **RV-06** The number of packages of Section II Lithium Batteries in Packing Instructions 966, 967, 969 and 970 must be indicated on the Air Waybill.

□ **RV-07** Effective March 1, 2016, Air Canada Rouge will not accept UN 3480, lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN 3480, lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of Packing Instruction 965.

□ **Note:**

QK-07 will no longer be applicable effective April 1, 2016, as UN3480 Lithium ion batteries will be forbidden as cargo on passenger aircraft.

□ **RV-08** UN 3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- an indication that the vehicle is powered by lithium ion batteries, and the net weight of lithium ion batteries in each vehicle must be added to the "Additional Handling Information" section on the Shipper's Declaration for Dangerous Goods;
- **vehicles must be equipped with an effective means of preventing accidental activation.**

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

Page 123 – First column Stick under TG-08 provision

▲ **TG-09** UN 3480 - Lithium ion cells and batteries packed in accordance with Section IA, **IB and II** of Packing Instruction 965 and UN 3481 prepared in accordance with Section I of Packing Instruction 966 and Packing Instruction 967 will not be accepted for carriage as cargo on TG aircraft.

TK (Turkish Airlines)

▲ **TK-01** UN 3090 Lithium metal batteries and UN 3480 **Lithium ion batteries** are prohibited from carriage as cargo. This applies to Section IA, IB and Section II of Packing Instruction 965 and Packing Instruction 968. **This prohibition does not apply to UN 3090 and UN 3480 shipped as** (COMAT) company materials on cargo aircraft.

Page 128 – Second column Stick close to top line & over UC-09 provision

▲ **UC-07** Fissile material as defined in 10.3.7 will be accepted only with prior review and approval by the LATAM Dangerous Goods Technical Committee **(see UC-01)**.

▲ **UC-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew **(see Table 2.3.A)**;
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

Note:

The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Page 128 – First column Stick under UC-10 provision

□ **UC-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

□ **UH (Atlasjet Ukraine)**

UH-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 "Handling Information" box of the DGD and also outside of the package **(see 8.1.6.11 and 10.8.3.11)**.

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

Page 854 – First column Stick & cover Switzerland (CH) contact details

Switzerland (CH)

Approvals of special form. Calculation of unlisted A values. Approvals and notifications for all Type-B packages, fissile packages, shipments and special arrangements:

Swiss Federal Nuclear Safety Inspectorate
Section for Transport and Waste Management

Industriestrasse 19

CH-5200 Brugg

SWITZERLAND

Tel: +41 (56) **460 8618 / +41 (56) 460 8400**

Fax: +41 (56) **460 8499**

email: info@ensi.ch

Import, export, transport and transit licences for nuclear materials and nuclear wastes:

Federal Office of Energy

Nuclear Energy Section

CH-3003 Bern

SWITZERLAND

Tel: +41 **(58) 462 56 42 / +41 (58) 462 56 36**

Fax: +41 **(58) 462 00 78**

email: peter.koch@bfe.admin.ch

email: info@bfe.admin.ch

Copy of application to:

Swiss Federal Nuclear Safety Inspectorate

Section for Transport and Waste Management

Industriestrasse 19

CH-5200 Brugg

SWITZERLAND

Licences for the import/export of non-nuclear radioactive material and carriers' licences for radioactive material:

Federal Office of Public Health

Division of Radiation Protection

Section Research Facilities and Nuclear medicine

Schwarzenburgstrasse 165

CH-3003 Bern

SWITZERLAND

Tel: +41 (58) 463 41 55

Fax: +41 (58) 422 83 83

email: Werner.zeller@bag



Page 122 – First column
Stick over SQ (Singapore Airlines/Singapore Airlines Cargo) provisions

S7 (JSC Siberia Airlines)

S7-01 Shipment of dangerous goods transported by Siberia Airlines flights will only be acceptable after getting advance approval of Siberia Airlines. Requests for dangerous goods shipments must be sent to the following email address:
 email: cgo@s7.ru

Request for approval must be submitted and be made according to the special form of approval (form is provided by request). Form of approval 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 appropriate. Biological substance, Category B–UN 3373 may only be accepted for carriage 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 knowledgeable of the hazards, characteristics and actions to be taken in case of an accident or incident concerning (any of) the dangerous goods being transported. This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the Shipper's DGD in the "Additional Handling Information" box, e.g. "Emergency Contact +7(495)-123-45-78".

SB (Aircalin)

SB-01 Passengers and crew members are not permitted to bring internal combustion or fuel cell engines being carried separately or incorporated into a machine or other apparatus as checked baggage whether they are used or new.

Including but not limited to brush cutters, chainsaws, lawnmowers, weed eaters, etc.

This variation applies to all flights operated by Aircalin.

SJ (Southern Air Transport)

SJ-01 Prior approval is required for shipments containing mercury.

⊗

SN (Brussels Airlines)

SN-01 Used camping stoves (fuel or gas) will not be accepted for carriage in baggage, even if thoroughly cleaned (see 2.3.2.5).

SN-02 Small gaseous oxygen or air cylinders required for medical use will only be accepted empty as checked baggage (see 2.3.4.1).

SN-03 Exempt patient specimens as defined in paragraph 3.6.2.2.3.6 will only be accepted on Brussels Airlines flights after written approval from the Brussels Airlines Dangerous Goods Department:

Brussels Airlines DG Department

Brussels Airport

b-house Building 26 box 1.7

1930 Zaventem

BELGIUM

email: dgdepartment@brusselsairlines.com

Page 134 – First column
Cover all XW (NokScoot Airlines) provisions

□ **XQ-08** Lithium ion and lithium metal cells and batteries will not be accepted for carriage as cargo. This prohibition applies to all parts of Packing Instructions 965 to 970.

This prohibition does not apply to 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).

XW (NokScoot Airlines)

XW-01 Dangerous goods, as defined by these regulations, will not be accepted for carriage, with the

Page 123 – First column
Stick close to the edge of the page

SS (Crossair)

▲ **SS-01** Class 7 - Radioactive material, including all categories of excepted packages, will not be accepted for transport (see 10.10.2).

SV (Saudi Arabian Airlines)

SV-01 Dangerous goods in excepted quantities will not be accepted (see Subsection 2.6).

SV-02 Not used.

SV-03 Dangerous goods in consolidations will not be accepted for carriage (see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

SV-04 Package Orientation (THIS WAY UP) labels must be used on any combination and single package containing liquid dangerous goods, excluding Infectious Substances if primary receptacles contain less than 50 mL and Radioactive Material (see 5.0.2.13.3 and 7.2.4.4).

SV-05 Maximum net weight of Carbon dioxide, solid (dry ice) accepted for loading is 200 kg per lower hold of a passenger aircraft (see 9.3.11).

SV-06 Salvage packagings will not be accepted for carriage without prior approval from Cargo Operations Control Centre (see 5.0.1.6, 6.0.6, 6.7, 7.1.4 and 7.2.3.11).

SV-07 Steel drums (1A1) with plastic pullout spout or cap will not be accepted for carriage on any aircraft.

SV-08 Not used.

▲ **SV-09** Class 7, fissile radioactive material will not be accepted for carriage (See 10.5).

SV-10 Battery-powered wheelchairs or mobility-aids with spillable batteries will not be accepted on SVA aircraft as checked baggage (see 2.3.2.3 and 9.3.14).

SV-11 Fuel containers for camping stoves that have contained a flammable liquid fuel will not be accepted for carriage as checked baggage (see 2.3.2.5).

SV-12 All shipments of Infectious Substances, Patient specimens, Diagnostic specimens, Clinical Specimens, Biological Substances (Human or Animal), whether subject to regulation or exempt from regulation, must be manifested as cargo and will not be permitted in the aircraft cabin.

SV-13 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, e.g. "Emergency Contact" or "24-hour number", must be inserted on the DGD, preferably in the "Handling Information" box, e.g. Emergency Contact +47 67 50 00 00 (see 8.1.6.11 and 10.8.3.11).

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

□ **SV-14** The following dangerous goods will not be accepted for carriage as cargo on Saudia aircraft (passenger and cargo):

- UN 3090 - Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 968. This prohibition also includes lithium metal batteries shipped under an approval in accordance with Special Provision A88 and A99 and exemption in accordance with Special Provision A201.

- UN 3480 - Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 965. This prohibition also includes lithium ion batteries shipped under an approval in accordance with Special Provision A88 and A99.

Note:

Exception: COMAT parts and Supplies offered by SV Stores.

Page 128 – Second column
Stick close to the edge of the page

UH-02 Dangerous goods in consolidations will not be accepted for carriage except for the following shipments:

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

UH-03 Booking and confirmation are required for all dangerous goods shipments as defined in these regulations (see 1.3.2 and 9.1.2).

Atlasjet Ukraine Cargo

Tel: +38 044 277 41 41 / +38 044 277 41 41 (ext. 8648)

Fax: +38 044 277 41 41

email: cargo-ua@atlasglb.com

UH-04 Material Safety Data Sheet (MSDS) must be provided for dangerous goods except for dangerous goods in Class 7, vehicles, dangerous goods in apparatus or machinery and engines, ID 8000, magnetized material, carbon dioxide, solid (dry ice) and Division 6.2. The MSDS must be written in English. The MSDS must include the UN number, proper shipping name and other relevant transport information (see 8.0.1 and 8.3).

UH-05 Explosives will not be accepted for carriage, except substances and articles of Division 1.4S (see Packing Instructions 101–143).

UH-06 Dangerous Goods in Excepted Quantities will not be accepted.

UH-07 Class 8, Corrosive materials Packing Group I & II will not be accepted for carriage (see 800 series packing instructions).

UH-08 Class 7, Radioactive materials will not be accepted for carriage.

UH-09 The following items will not be accepted on Atlasjet Ukraine flights:

- UN 2803—Gallium;
- UN 2809—Mercury; and
- UN 3506—Mercury contained in manufactured articles.

UH-10 UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Atlasjet Ukraine aircraft. This applies to Section IA, IB 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 PI 969 and PI 970 and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 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).

UH-11 All shipments of lithium batteries contained in equipment prepared in accordance with Section II of PI 967 or PI 970 must include the mandatory wording on the air waybill as shown in Section II ("Lithium ion batteries in compliance with Section II of PI 967" or "Lithium metal batteries in compliance with Section II of PI 970"). This applies even to shipments where no lithium battery handling label is required to be affixed to the package(s).

UH-12 Dangerous goods as defined in these Regulations will not be accepted in Air Mail (see 2.4).

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 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, e.g. "Emergency Contact" or "24-hour number", must be inserted on the DGD, preferably in the "Handling Information" box (see 8.1.6.11 and 10.8.3.11).

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.

Page 129 – First column
Stick close to the edge of the page

Additional information or operator approval can be obtained from:

Cargo Duty Manager—Dangerous Goods

Srilankan Airlines

Cargo Centre

Bandaranaike International Airport

Katunayake

SRI LANKA

Tel: +94 1 9733 3269

Tel: +94 1 9733 2455

Fax: +94 1 9733 5288

SITA: CMBDGUL

email: cargodg@srilankan.com

▲ **UL-02** Not used.

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.

UL-05 A brief text in the English language indicating the nature of the risk involved shall appear on all hazard labels. The text should appear prominently in English in the lower half of the label as described in 7.2.2.4.

Package and overpack markings required by these Regulations must be completed in English in addition to the language which may be required by the State of Origin (see Figure 7.3.B through Figure 7.3.W and Figure 7.4.A and 10.7.7).

▲▲ **UL-06** Prior approval is required for shipments containing radioactive material. Information can be obtained from:

Atomic Energy Regulatory Council,

03rd Floor, NCNDT Building,

No. 977/18, Kandy Road,

Bulugaha Junction,

Kelaniya

SRI LANKA

Tel: +94 11 2987858–9 or

Tel: +94 718 111650

Fax: +94 11 2987860

email: anil@aea.gov.lk

UL-07 Gaseous oxygen or air cylinders required for medical use will not be accepted for carriage. Contact carrier for more details (see 2.3.4.1).

UU (Air Austral)

UU-01 Dangerous goods as defined in the current edition of the IATA Dangerous Goods Regulations will not be accepted in AIR MAIL (see 2.4 and 10.2.2).

UU-02 Dangerous goods as defined below will not be accepted for carriage on board Air Austral aircraft:

(a) Division 2.3—Toxic gases;

(b) Division 6.1—Toxic substances in Packing Group I.

▲▲ **UU-03** Radioactive material will not be accepted for carriage other than radioactive material, excepted package, AOG aircraft components (see 10.10.2).

UU-04 Battery-powered mobility aids with spillable batteries will only be accepted through Air Austral Cargo (see 2.3.2.3).

UU-05 All blood products and biological samples, human or animal origin, must be carried as Cargo. They are not permitted as baggage. They must be classified as UN 2814, Infectious substance, affecting humans, (liquid or solid) or UN 2900, Infectious substances, affecting animals, (liquid or solid) both in Division 6.2 and packed according to Packing Instruction 620. The only exception to this rule is human or animal blood and plasma free from any pathogen and destined for human or veterinary treatment. In these cases, the shipment must be classified as non-dangerous pharmaceuticals, life-saving drugs. The air waybill must bear a detailed commodity description to enable identification.

Biological substance, Category B, UN 3373 may be accepted only as cargo and as long as a valid and free from any Pathogen Biological Certification is duly given to the Operator and must be packed in accordance with Packing Instruction 650 (see Packing Instruction 650).

Page 129 – Second column
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▲ **UU-06** The following dangerous goods permitted in passenger baggage as per 2.3 and Table 2.3.A are only allowed with the approval of the operator:

- fuel cell cartridges (2.3.5.10);
- non-infectious specimens containing small quantities of flammable liquids (2.3.5.14);
- internal combustion or fuel cell engines (2.3.5.15).

UU-07 Chemical agent monitoring equipment carried by staff members of the Organization for the Prohibition of Chemical Weapons (OPCW) are forbidden on the Air Austral network.

⊗

UX (Air Europa)

UX-01 Dangerous Goods in excepted quantities will not be accepted for carriage (see Subsection 2.6).

UX-02 Dangerous Goods in limited quantities will not be accepted for carriage, except for ID 8000, **Consumer commodity**, COMAT, AOG, aircraft parts and supplies (see Subsection 2.7 and all "Y" packing instructions).

UX-03 Dangerous Goods in consolidated packages, will not be accepted for carriage, except for:

- consolidations containing UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant for non-dangerous goods.

UX-04 Division 6.1 - Toxic substances - Dangerous Goods in which the primary or secondary hazard belongs to Division 6.1 (except for COMAT, AOG, aircraft parts and supplies), will not be accepted for carriage.

UX-05 Dangerous Goods of which the primary hazard is Class 4 (4.1, 4.2, 4.3), (except for COMAT, AOG, aircraft parts and supplies), will not be accepted for carriage.

UX-06 Dangerous Goods of which the primary hazard belongs to division 5.2 will not be accepted for carriage.

UX-07 The following dangerous goods will not be accepted for carriage (see Packing Instructions [-] listed after each substance):

UN Number – Description

UN 1787—Hydriodic acid [Y840, 851, 855, Y841, 852 and 856].

UN 2803—Gallium [867].

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

UX-09 Salvage packagings will not be accepted for carriage.

▲ **UX-10** Class 7, Radioactive materials, will not be accepted for carriage.

▲ **UX-11** UN 3480—Lithium ion cells and batteries, including lithium polymer cells and batteries are prohibited from carriage as cargo. This applies to Section IA, IB and II of Packing Instruction 965.

Shipments exempt from this prohibition are:

- Company Aircraft Spare parts and supplies, COMAT, AOG.
- Lithium batteries covered by the Provisions of Dangerous Goods Carried by Passengers & Crew (Table 2.3.A)

UY (Cameroon Airlines)

UY-01 Dangerous goods in excepted quantities as defined in Subsection 2.6 will not be accepted for carriage.

V3 (Carpatair SA)

V3-01 Dangerous Goods of Class 1 Explosives and Class 7 Radioactive material will not be accepted for carriage.

V3-02 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 DGD, preferably in the "Handling Information" box, e.g. Emergency Contact +47 67 50 00 00 (see 8.1.6.11 and 10.8.3.11).

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

Page 130 – First column
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VA (Virgin Australia)

VA-01 Petrol powered equipment such as chainsaws, brush cutters, generators or the like, either new or used, are forbidden in carry-on or checked-in baggage. Such items will only be accepted as cargo if they are packaged and shipped in accordance with IATA Dangerous Goods Regulations. Where Special Provision A70 applies to internal combustion or fuel cell engines, these items may be accepted for transport as cargo provided operator approval has been granted.

VA-02 Dangerous Goods listed in the List of High Consequence dangerous goods will not be accepted for carriage.

VA-03 Lithium ion batteries (UN 3480) are prohibited for carriage as cargo. This prohibition does not apply to:

- UN 3481 Lithium ion contained in or packed with equipment;
- UN 3091 Lithium metal batteries contained in or packed with equipment;
- 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).

□ **VA-04** Gaseous oxygen or air cylinders required for medical use are only accepted for transport in or as carry-on baggage (see 2.3.4.1)

VN (Vietnam Airlines)

VN-01 The shipper must make advance arrangements of procedures for all dangerous goods. Except for dangerous goods which do not require a DGD, all dangerous goods prior to being loaded in VNA's aircraft must obtain acceptance messages: The messages from HDQUVDN for dangerous goods departing from overseas and messages from VNA's branches in Northern/Southern/Middle regions for dangerous goods departing from Vietnam (see 1.3.2 and 9.1.2).

VN-02 Dangerous Goods in Excepted Quantities will not be accepted for carriage, except Radioactive Material in Empty Packages (UN 2908) and Radioactive material, excepted package - instruments (UN 2911).

VN-03 Dangerous Goods in Airmail will not be accepted for carriage, except for lithium batteries in 2.4.2 (d) and (e) IATA DGR on the condition that the designated postal operators meet requirements of IATA DGR.

VN-04 All dangerous Goods of Packing Group I will not be accepted for carriage.

VN-05 Class 1 - All kinds of explosives will not be accepted for carriage, except the substances and articles of Division 1.4.S.

VN-06 Division 2.1 - Flammable gases and Division 2.3 - Toxic gases will not be accepted for carriage (Exception COMAT parts and supplies).

VN-07 Class 4—All dangerous goods of Division 4.3 will not be accepted for carriage.

▲ **VN-08** UN 3480, Lithium ion batteries. Lithium ion cells and batteries under Packing Instruction 965 will not be accepted for carriage as cargo on VN's flights. This applies to Section IA, IB and Section II of this Packing Instruction. UN 3090, Lithium metal batteries. Lithium metal cells and batteries under Packing Instruction 968 will not be accepted for carriage as cargo on VN's flights. This applies to Section IA, IB and Section II of this Packing Instruction.

▲ **VN-09** Class 7—Radioactive Materials packed in Type B(U), Type B(M) or Type C packages; SCO or LSA packed in industrial packages and Radioactive Materials with Transport Index exceeding 3.0 will not be accepted for carriage.

VN-10 Not used.

Page 132 – First column
Stick under XG-07 & cover all XK provisions

XG-08 Lithium ion and lithium metal cells and batteries will not be accepted for carriage as cargo. This prohibition applies to all parts of Packing Instructions 965 to 970.

This prohibition does not apply to 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).

XK (Air Corsica)

XK-01 Explosives will not be accepted for carriage, except substances and articles of Division 1.4S (see Packing Instructions 101–143).

XK-02 Not used.

XK-03 Except for ID8000, Consumer commodity, Dangerous Goods in Limited Quantities ("Y" packing instructions) will not be accepted for carriage (see Subsection 2.7 and all "Y" packing Instructions).

XL (LAN Ecuador)

LA-01 Dangerous Goods offered for transport under and approval or an exemption as provided by 1.2.5 and 1.2.6 and any other LAN Airlines conditioned by pre-approval, will be accepted only after prior review and approval of the LATAM Dangerous Goods Technical Committee.

In addition UN 1040 and UN 2014 when shipped as excepted quantities in accordance with the provisions of Special Provisions A131 and A75 respectively also require prior review and approval of the LATAM Dangerous Goods Technical Committee.

An application for approval must be undertaken at least 15 working days of the scheduled date for the flight

Page 387 – Second column
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A201 States concerned may grant an exemption from the prohibition to transport lithium metal or lithium ion batteries as cargo on passenger aircraft in accordance with 1.2.6. Authorities issuing exemptions in accordance with this special provision must provide a copy to the Chief of the Cargo Safety Section within three months of issuance via email at: CSS@icao.int, via facsimile at +1 514-954-6077 or via post to the following address:

Editorial Note:

While A201 has been assigned to UN 3480 and A201 has been revised to make reference to lithium ion batteries being prohibited as cargo on a passenger aircraft, this prohibition does not take effect until 1 April 2016. Therefore until 31 March 2016, UN 3480, lithium ion batteries may still be consigned for carriage on a passenger aircraft.

Chief, Cargo Safety Section
 International Civil Aviation Organization
 999 Robert Bourassa Boulevard
 Montreal, Quebec
 CANADA H3C 5H7

Note:

Guidance for the processing of exemptions from the prohibition to transport lithium batteries may be found in Part S-1;4 of the ICAO Supplement to the Technical Instructions.

A210 This substance is forbidden for transport by air. It may be transported on cargo aircraft only with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the written conditions established by those authorities.

A302 For the purposes of providing life support for aquatic animals during transport, the appropriate authorities of the States of origin, destination and of the operator may approve the carriage of cylinders containing Oxygen compressed, UN 1072 or Air compressed, UN 1002, with the valves open to supply a controlled quantity of oxygen or air through a regulator into water containing the aquatic animals. The cylinder or cylinder valve must be fitted with a self-sealing device to prevent uncontrolled release of gas should the regulator malfunction or be broken or damaged. The cylinder must meet those parts of Packing Instruction 200 that apply, except for the need for valves to be closed. In addition, the following conditions apply as a minimum:

- (a) the water container with the attached cylinder must be designed and constructed to withstand all anticipated loads;
- (b) the water container with the gas supply operating must be tilt-tested at an angle of 45° in four directions from the upright, for a minimum duration of 10 minutes in each direction, without leakage of water;
- (c) the cylinder and regulator must be restrained and protected within the equipment;
- (d) the regulator used must have a maximum flow rate of not more than 5 L per minute;
- (e) the flow rate to the container must be limited to that sufficient to provide life support to the aquatic animals;
- (f) the quantity of gas provided must not exceed 150% of the oxygen required for the normal duration of air transport; and
- (g) only one cylinder may be carried for each 15 m³ of gross cargo hold volume. Under no circumstances may the rate of gas flow from the cylinder exceed 1 L per minute per 5 m³ of gross cargo hold volume.

A324 For the purpose of transporting a symbolic flame, the appropriate authority of the States of origin, of destination and of the operator may approve the carriage of lamps fuelled by UN 1223 - Kerosene, or UN 3295 - Hydrocarbons, liquid, n.o.s., carried by a passenger as carry-on baggage only.

Lamps must be of a "Davy" type or similar apparatus. In addition, the following conditions apply as a minimum:

- (a) no more than four lamps may be carried on board the aircraft;
- (b) lamps may contain no more fuel than the quantity adequate for the duration of the flight and the fuel must be contained in a leakproof reservoir;
- (c) lamps must be adequately secured;

Page 886 – Second column
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Page 887 – Second column
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Page 24 – Table 2.3.A
Stick under “Ammunition (cartridges for weapons), securely packaged (Div. 1.4S, UN 0012...”

Avalanche rescue backpack , one (1) per person, containing a cartridge of compressed gas in Div. 2.2. May also be equipped with a pyrotechnic trigger mechanism containing no more than 200 mg net of Div. 1.4S. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpacks must be fitted with pressure relief valves.	YES	YES	YES	NO
Batteries, spare/loose, including lithium metal or lithium ion cells or batteries , for portable electronic devices must be carried in carry-on baggage only. Articles which have the primary purpose as a power source, e.g. power banks are considered as spare batteries. These batteries must be individually protected to prevent short circuits.	NO	NO	YES	NO

Page 24 – Table 2.3.A
Stick above “Insulated packagings containing refrigerated liquid nitrogen (dry shipper)...”

Heat producing articles such as underwater torches (diving lamps) and soldering irons. (See 2.3.4.6 for details.)	YES	YES	YES	NO
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Page 25 – Table 2.3.A
Stick above “Lithium batteries, spare/loose with a Watt-hour rating exceeding...”

Lithium Batteries: Portable electronic devices containing lithium metal or lithium ion batteries , including medical devices such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops and tablets , when carried by passengers or crew for personal use. (see 2.3.5.9). Batteries must not exceed 2 g for lithium metal batteries and 100 Wh for lithium ion batteries.	NO	YES	YES	NO
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Page 207 – Subsection 4.2 – Blue Pages
Stick under “Benzene triozoneide

Forbidden

Forbidden

Forbidden”

1885	Benzidine	6.1	Toxic	II	E4	Y644	1 kg	669	25 kg	676	100 kg		6L
	1,3,2-Benzodioxaborole					Forbidden		Forbidden		Forbidden		A210	
	Benzol, see Benzene (UN1114)												
	Benzolene, see Petroleum distillates, n.o.s. (UN1268)												
2224	Benzonitrile	6.1	Toxic	II	E4	Y641	1 L	654	5 L	662	60 L		6L
2587	Benzoquinone	6.1	Toxic	II	E4	Y644	1 kg	669	25 kg	676	100 kg		6L
	Benzosulphochloride, see Benzenesulphonyl chloride (UN 2225)												
2226	Benzotrithloride	8	Corrosive	II	E2	Y840	0.5 L	851	1 L	855	30 L		8L

Page 207 – Subsection 4.2 – Blue Pages
Stick under “Benzene triozoneide

Forbidden

Forbidden

Forbidden”

2969	Castor pomace	9	Miscellaneous	II	E2	Forbidden		956	No limit	956	No limit	A31	9L
	Catecholborane					Forbidden		Forbidden		Forbidden		A210	
1719	Caustic alkali liquid, n.o.s. *	8	Corrosive	II	E2 E1	Y840 Y841	0.5 L 1 L	851 852	1 L 5 L	855 856	30 L 60 L	A3 A803	8L 8L

Page 492 – Packing Instruction 492
Stick under the underline of the words “Packing Instruction 492”
Compatibility Requirements

- substances must be compatible with their packagings as required by 5.0.2.6;
- metal packagings must be corrosion resistant or be protected against corrosion.

Additional Packing Requirements

- packagings must meet Packing Group II performance standards;
- cells must be packed in outer packagings with sufficient cushioning material to prevent contact between cells and between cells and the internal surfaces of the outer packaging and to ensure that no dangerous movement of the cells within the outer packaging occurs in transport;
- batteries must be protected against short circuit and must be isolated in such a manner as to prevent short circuits.

Page 589 – Packing Instruction 968
Stick under the Table “OUTER PACKAGINGS”
Section II

Lithium metal or lithium alloy cells and batteries meeting the requirements in this section are not subject to other additional requirements of these Regulations except for:

- restrictions on dangerous goods in consolidations (1.3.3.2.3 and 1.3.3.2.6);
- dangerous goods in passenger and crew baggage (Subsection 2.3). Only those lithium metal batteries as specifically permitted may be carried in carry-on baggage;
- dangerous goods in air mail (Subsection 2.4);
- use of unit load devices (5.0.1.3);
- loading of cargo aircraft (9.3.4);
- reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).



Page 564 – Packing Instruction 952
Stick under the underline of the words “Packing Instruction 952”

△ OPERATOR VARIATIONS: AM-09, KE-06, MH-12

This instruction applies to UN 3171 **Battery-powered equipment** and **Battery-powered vehicle** on passenger aircraft and Cargo Aircraft Only. This applies to vehicles and equipment that are powered by wet batteries or sodium batteries and to vehicles powered by lithium batteries and which are transported with these batteries installed. Examples of such vehicles and equipment are electrically powered cars, lawn mowers, wheelchairs and other mobility aids. Vehicles that also contain an internal combustion engine or fuel cell engine must be consigned under UN 3166 (see PI 950 or PI 951).

□ Where vehicles could possibly be handled in other than an upright position, the vehicle must be secured in a strong, rigid outer packaging of the type below. The vehicle must be secured by means capable of restraining the vehicle in the outer packaging to prevent any movement during transport which would change the orientation or cause the vehicle to be damaged.

Note:

As set out in Special Provision A182 equipment powered only by lithium batteries must be classified as either UN 3091, **Lithium metal batteries contained in equipment**, or UN 3481, **Lithium ion batteries contained in equipment**.

Battery-powered vehicles, machines or equipment must meet the following requirements:

(a) **Batteries.** All batteries must be installed and securely fastened in the battery holder of the vehicle, machinery or equipment and be protected in such a manner as to prevent damage and short circuits. In addition:

1. if spillable batteries are installed and it is possible for the vehicle, machine or equipment to be handled in such a way that batteries would not remain in their intended orientation, they must be removed and packed according to Packing Instruction 492 or 870, as applicable;

△ 2. if lithium batteries are installed in a vehicle, they must meet the provisions of 3.9.2.6, unless otherwise approved by the appropriate national authority of the State of origin. **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).** The batteries must be securely fastened in the vehicle, machinery or equipment and must be protected in such a manner as to prevent damage and short circuits;

3. if sodium batteries are installed they must conform to the requirements of Special Provision A94.

(b) **Other operational equipment:**

1. dangerous goods required for the operation of the vehicle, machine or equipment, such as fire extinguishers, tire inflation canisters, safety devices, etc., must be securely mounted in the vehicle, machine or equipment. Aircraft may also contain other articles and substances which would otherwise be classified as dangerous goods but which are installed in that aircraft in accordance with the pertinent airworthiness requirements and operating regulations. If fitted, life-rafts, emergency escape slides and other inflation devices must be protected such that they cannot be activated accidentally. Vehicles containing dangerous goods identified in Subsection 4.2 - List of Dangerous Goods as forbidden on passenger aircraft may only be transported on cargo aircraft;

2. vehicles equipped with theft-protection devices, installed radio communications equipment or navigational system must have such devices, equipment or system disabled.

Page 594 – Packing Instruction 970
Stick under the sentence “Additional Requirements–Section II”

△ The equipment must be packed in strong **rigid** outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained.

Page 565 – Packing Instruction 952
Stick under the underline of the words “Packing Instruction 952”

UN number	Quantity per package Passenger aircraft	Quantity per package Cargo Aircraft Only
UN 3171, Battery-powered equipment , or Battery-powered vehicle	No limit	No limit

□ **OUTER PACKAGINGS – Strong outer packagings – vehicles**

Type	Drums							Jerricans			Boxes							
	Desc.	Steel	Alum-inium	Ply-wood	Fibre	Plastic	Other metal	Steel	Alum-inium	Plastic	Steel	Alum-inium	Wood	Ply-wood	Recon-stituted wood	Fibre-board	Plastic	Other metal

Page 579 – Packing Instruction 965
Stick under the word “Introduction”

△ Until 31 March 2016, this instruction applies to lithium ion or lithium polymer cells and batteries (UN 3480) on passenger and Cargo Aircraft Only. With effect 1 April 2016 this instruction applies to lithium ion or lithium polymer cells and batteries (UN 3480) on Cargo Aircraft Only.

The general requirements apply to all lithium ion cells and batteries prepared for transport according to this packing instruction:

- Section IA applies to lithium ion cells with a Watt-hour rating in excess of 20 Wh and lithium ion batteries with a Watt-hour rating in excess of 100 Wh, or to quantities of lithium ion cells or batteries in excess of those permitted in Section IB of this packing instruction which must be assigned to Class 9 and are subject to all of the applicable requirements of these Regulations;
- Section IB applies to lithium ion cells with a Watt-hour rating not exceeding 20 Wh and lithium ion batteries with a Watt-hour rating not exceeding 100 Wh packed in quantities that exceed the allowance permitted in Section II, Table 965-II; and

Page 580 – Packing Instruction 965 Stick over the Table “OUTER PACKAGINGS”

Section IA

These requirements apply to lithium ion cells with a Watt-hour rating in excess of 20 Wh and lithium ion batteries with a Watt-hour rating in excess of 100 Wh that have been determined to meet the criteria for assignment to Class 9.

The General Packing Requirements of 5.0.2 must be met.

Each cell or battery must:

1. meet the provisions of 3.9.2.6;
2. meet the General Requirements, above; and

With effect 1 April 2016

3. lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. Cells and/or batteries at a SoC of greater than 30% may only be shipped with the approval of the State of Origin and the State of the Operator under the written conditions established by those authorities.

Note:

Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.

Additional Requirements–Section IA

- lithium ion cells and batteries must be placed in inner packagings that completely enclose the cell or battery then placed in an outer packaging. The completed package for the cells or batteries must meet the Packing Group II performance standards;
- lithium batteries with a mass of 12 kg or greater and having a strong, impact-resistant outer casing, or assemblies of such batteries, may be transported when packed in strong outer packagings or protective enclosures (e.g. in fully enclosed or wooden slatted crates). The packagings need not meet the requirements of Section 6 of these Regulations. The packagings must be approved by the appropriate authority of the State of origin. A copy of the document of approval must accompany the consignment;
- batteries manufactured after 31 December 2011 must be marked with the Watt-hour rating on the outside case.

TABLE 965-IA

UN number	Quantity per package Passenger aircraft	Quantity per package Cargo Aircraft Only
UN 3480, Lithium ion batteries	Until 31 March 2016 – 5 kg With effect 1 April 2016 - Forbidden	35 kg.

Page 589 – Packing Instruction 968 Stick under the sentence “A Shipper's Declaration for Dangerous Goods is not required.”

With effect 1 April 2016

A shipper is not permitted to offer for transport more than one (1) package prepared according to this section in any single consignment.

The words “Lithium metal batteries in compliance with Section II of PI 968” and “Cargo Aircraft Only” or “CAO” must be included on the air waybill, when an air waybill is used. The information should be shown in the “Nature and Quantity of Goods” box of the air waybill.

Packages and overpacks containing lithium batteries prepared in accordance with section must be offered to the operator separately from the goods in the consolidation that are not subject to these Regulations. Packages and overpack in consolidations must not be loaded into a unit load device before being offered to the operator.

Page 580 – Packing Instruction 965 Stick under the Table “OUTER PACKAGINGS” and cover Section IB on this page

Section IB

Lithium ion cells and batteries may be offered for transport provided that each cell and battery meets the provisions of 3.9.2.6(a) and (e) and they meet all of the following:

1. for lithium ion cells, the Watt-hour rating is not more than 20 Wh;
2. for lithium ion batteries, the Watt-hour rating is not more than 100 Wh. The Watt-hour rating must be marked on the outside of the battery case except for those batteries manufactured before 1 January 2009; and

With effect 1 April 2016

3. lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. Cells and/or batteries at a SoC of greater than 30% may only be shipped with the approval of the State of Origin and the State of the Operator under the written conditions established by those authorities.

Note:

Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.

Section IB requirements apply to cells and batteries packed in quantities that exceed the allowance permitted in Section II, Table 965-II.

Quantities of lithium ion cells or batteries prepared in accordance with this section are subject to all of the applicable provisions of these Regulations (including the General Requirements of this packing instruction), except for the provisions of Section 6.

Page 581 – Packing Instruction 965
Stick under the underline of the words “PACKING INSTRUCTIONS 965 (continued)”

Cells or batteries shipped under the provision of Section IB must be described on a Shipper’s Declaration as set out in Section 8 and the air waybill, when used must contain the applicable information required by 8.2.1 and 8.2.2.

Cells and batteries must be packed in strong outer packagings that conform to 5.0.2.4, 5.0.2.6.1 and 5.0.2.12.1.

Additional Requirements – Section IB

Cells and batteries must be packed in inner packagings that completely enclose the cell or battery. To provide protection from damage or compression to the batteries, the inner packagings must be packed in a strong rigid outer packaging of one of the packaging types shown below.

Each package must be capable of withstanding a 1.2 m drop test in any orientation without:

- damage to cells or batteries contained therein;
- shifting of the contents so as to allow battery to battery (or cell to cell) contact;
- release of contents.

Each consignment must be accompanied with a document with an indication that:

- the package contains lithium ion cells or batteries;
- the package must be handled with care and that a flammability hazard exists if the package is damaged;
- special procedures must be followed in the event the package is damaged, to include inspection and repacking if necessary; and
- a telephone number for additional information.

△ Each package must be marked in accordance with the requirements of 7.1.4.1(a) and (b) and in addition the net weight when required by 7.1.4.1(c) must be marked on the package.

Until 31 March 2016

Each package must be labelled with a lithium battery handling label (Figure 7.4.H) in addition to the Class 9 hazard label (Figure 7.3.W).

△ With effect 1 April 2016

Each package must be labelled with a lithium battery handling label (Figure 7.4.H) in addition to the Class 9 hazard label (Figure 7.3.W) and the Cargo Aircraft Only label (Figure 7.4.B).

TABLE 965-IB

UN number	Quantity per package Passenger aircraft	Quantity per package Cargo Aircraft Only
Lithium ion cells and batteries	Until 31 March 2016 – 10 kg. With effect 1 April 2016 - Forbidden	10 kg.

Page 590 – Packing Instruction 968
Stick close to the edge of the page and above the sentence “TABLE 968-II”
PACKING INSTRUCTIONS 968 (continued)

Any person preparing or offering cells or batteries for transport must receive adequate instruction on these requirements commensurate with their responsibilities.

Overpacks–Section II
With effect 1 April 2016

Not more than one (1) package complying with the requirements of Section II may be placed in an overpack. The overpack may also contain packages of dangerous goods or goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other. An overpack must be marked with the word “Overpack” and labelled with the lithium battery label (Figure 7.4.H) and the Cargo Aircraft Only label (Figure 7.4.B), unless the label(s) on the package inside the overpack are visible.

Note:

For the purpose of Section II, an overpack is an enclosure used by a single shipper that contains no more than one package prepared in accordance with this section. For shipments prepared in accordance with Section IA and/or IB, this limit of one package of Section II batteries per overpack still applies.

Page 581 – Packing Instruction 965 Stick over the Table “OUTER PACKAGINGS”

Section II

Lithium ion cells and batteries meeting the requirements in this section are not subject to other additional requirements of these Regulations except for:

- (a) restrictions on dangerous goods in consolidations (1.3.3.2.3 and 1.3.3.2.6);
- (b) dangerous goods in passenger and crew baggage (Subsection 2.3). Only those lithium metal batteries as specifically permitted may be carried in carry-on baggage;
- (c) dangerous goods in air mail (Subsection 2.4);
- (d) use of unit load devices (5.0.1.3);
- (e) with effect 1 April 2016, loading of cargo aircraft (9.3.4);
- (f) reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).

Cells and batteries offered for transport must meet the provisions of 3.9.2.6(a) and (e), the General Requirements of this packing instruction and:

- (a) for cells, the Watt-hour rating is not more than 20 Wh; and
- (b) for batteries, Watt-hour rating is not more than 100 Wh. The Watt-hour rating must be marked on the outside of the battery case except those manufactured before 1 January 2009;

Cells and batteries must be packed in strong outer packagings that conform to 5.0.2.4, 5.0.2.6.1 and 5.0.2.12.1.

△ With effect 1 April 2016

Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.

Note:

Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.

Additional Requirements–Section II

Cells and batteries must be packed in inner packagings that completely enclose the cell or battery. To provide protection from damage or compression to the batteries, the inner packagings must be placed in a strong rigid outer packaging of one of the packagings shown below.

Page 582 – Packing Instruction 965 Stick close to the edge of the page and above the words “TABLE 965-II”

PACKING INSTRUCTIONS 965 (continued)

Each package must be capable of withstanding a 1.2 m drop test in any orientation without:

- damage to cells or batteries contained therein;
- shifting of the contents so as to allow battery to battery (or cell to cell) contact;
- release of contents.

Each consignment must be accompanied with a document with an indication that:

- the package contains lithium ion cells or batteries;
- the package contains lithium ion cells or batteries;
- special procedures must be followed in the event the package is damaged, to include inspection and repacking if necessary; and
- a telephone number for additional information.

A Shipper's Declaration for Dangerous Goods is not required.

Any person preparing or offering cells or batteries for transport must receive adequate instruction on these requirements commensurate with their responsibilities.

Until 31 March 2016

Each package must be labelled with a lithium battery handling label (Figure 7.4.H).

The words “Lithium ion batteries in compliance with Section II of PI 965” must be included on the air waybill, when an air waybill is used. The information should be shown in the “Nature and Quantity of Goods” box of the air waybill.

With effect 1 April 2016

A shipper is not permitted to offer for transport more than one (1) package prepared according to this section in any single consignment.

Each package must be labelled with a lithium battery handling label (Figure 7.4.H) and the Cargo Aircraft Only label (Figure 7.4.B). When the package dimensions are adequate, the Cargo Aircraft Only label must be located on the same surface of the package near the lithium battery handling label.

The words “Lithium ion batteries in compliance with Section II of PI 965” and “Cargo Aircraft Only” or “CAO” must be included on the air waybill, when an air waybill is used. The information should be shown in the “Nature and Quantity of Goods” box of the air waybill.

Packages and overpacks of lithium ion batteries prepared in accordance with the provisions of Section II must be offered to the operator separately from cargo which is not subject to these Instructions and must not be loaded into a unit load device before being offered to the operator.

Overpacks–Section II

With effect 1 April 2016

Not more than one (1) package complying with the requirements of Section II may be placed in an overpack. The overpack may also contain packages of dangerous goods or goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other. An overpack must be marked with the word “Overpack” and labelled with the lithium battery label (Figure 7.4.H) and the Cargo Aircraft Only label (Figure 7.4.B), unless the label(s) on the package inside the overpack are visible.

Note:

For the purpose of Section II, an overpack is an enclosure used by a single shipper that contains no more than one package prepared in accordance with this section. For shipments prepared in accordance with Section IA and/or IB, this limit of one package of Section II batteries per overpack still applies.