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Date: 2016年2月27日 2:02:19 JST
To: Undisclosed recipients:;
Subject: Addendum II to the 57th edition DGR

Dear all,

ICAO has now issued Addendum 4 to the 2015-2016 edition of the Technical Instructions to address the prohibition of lithium ion batteries, UN 3480, on passenger aircraft with effect 1 April 2016. As a consequence attached is the English addendum to the 57th edition of the Dangerous Goods Regulations. The language editions will follow early next week. There will also be updates to the eDGR and to the Lithium Battery Shipping Guidelines (LBSG) in all applicable languages. These should also be rolled out starting next week.

The 2016 edition of the lithium battery guidance document that was issued recently will be updated to include some specific guidance to shippers on how to determine the SoC of a lithium cell or battery and other questions that have emerged from the last addendum and the notice on the changes applicable to lithium batteries.

Note, there is no requirement for the shipper to specifically prove that lithium ion batteries shipped as UN 3480 are at 30% SoC, or for the operator to somehow verify that the lithium ion batteries are at no more than 30% SoC. The shipper by signing the Shipper's Declaration for Dangerous Goods is certifying that "I declare that all of the applicable air transport requirements have been met." This is a legal declaration. This is no different to a shipper stating on the Shipper's Declaration that the flammable liquid is actually Packing Group II, or that the dangerous goods are as described by the UN number and proper shipping name shown.

Regards,

Dave

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Amend **AA (American Airlines)**

AA-08 ~~When tendering Section II Lithium batteries in PI 966, PI 967, PI 969 and PI 970; the shipper must indicate the number of batteries and the number of packages. When tendering Section II lithium batteries with multiple packing instructions, shippers must indicate the number of batteries and packages per packing instruction. When tendering Section II Lithium batteries in OVERPACK or SLAC, shipper must indicate the number of batteries and packages in each OVERPACK or SLAC. This information must be shown on the air waybill or a separate document. Not used.~~

Amend **AC (Air Canada)**

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 Packing Instruction 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.~~

Add new **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.

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.

Amend **CA (Air China)**

CA-01 Dangerous goods in consolidations 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;
- ~~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.~~

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

Add new

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.

Amend KE (Korean Airlines)

KE-01 Dangerous goods, including Dangerous Goods in Excepted Quantity, and Radioactive Material in Excepted Package and Lithium batteries (Section II PI965, PI968) 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 UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;
- lithium batteries Section II (PI966,967,969,970).

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

~~**KE-04** UN 3480 Lithium ion batteries and cells are prohibited from carriage as cargo on Korean Air Passenger Aircraft. This applies to Section IA, IB and II of Packing Instruction 965.~~

~~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-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, and UN 3373 and UN3481/3091 Section II (PI966,967,969,970).

Amend LH (Deutsche Lufthansa/Lufthansa Cargo AG)

Add new

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.

Amend QK (Jazz Aviation LP)

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.

Amend RV (Air Canada Rouge)

RV-07 Effective March 1, 2016, Air Canada Rouge 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:

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

Amend 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. **Only This prohibition does not apply to UN 3090 and UN 3480 shipped as** (COMAT) company materials **(UN 3090, Section II) are acceptable** on cargo aircraft.

TK-05 ~~Not used~~ **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.**

Amend UU (Air Austral)

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

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);
- ~~portable electronic devices containing a non spillable battery (2.3.5.13);~~
- non-infectious specimens containing small quantities of flammable liquids (2.3.5.14);
- internal combustion or fuel cell engines (2.3.5.15).

Amend VT (Air Tahiti)

VT-02 ~~Specific limitations apply to the following items carried as cargo (ask the carrier by e-mail at resp-md@airtahiti.pf):~~ **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.**

~~— Gases of Division 2.3;~~

~~— Solids of Division 4.2 and Division 4.3;~~

~~— Radioactive materials of Category II Yellow and III Yellow (“RRY” code)~~

~~— UN 2211, Polymeric beads, expandable and UN 3314 Plastics moulding compound.~~

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-08 Medical and clinical wastes, **and** infected animals **and venomous animals** are not accepted for carriage.

Section 4

Table 4.2: Amend as shown:

UN/ ID no.	Proper Shipping Name/Description	Class or Div. (Sub Risk)	Hazard Label(s)	PG	EQ see 2.6	Passenger and Cargo Aircraft				Cargo Aircraft Only		S.P. see 4.4	ERG Code
						Ltd Qty		Pkg Inst	Max Net Qty/Pkg	Pkg Inst	Max Net Qty/Pkg		
						Pkg Inst	Max Net Qty/Pkg						
A	B	C	D	E	F	G	H	I	J	K	L	M	N
3480	Lithium ion batteries (including lithium ion polymer batteries) †	9	Miscellaneous		E0	Forbidden		See 965		See 965		A88 A99 A154 A164 A183 A201	9F

Page 387 revise special provision A201 as follows:

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 ~~University Street~~ **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.

Section 5

Pages 580 to 582; amend Packing Instruction 965 as shown:

PACKING INSTRUCTION 965

Introduction

Until 31 March 2016, This 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.**

Section IA

TABLE 965-IA

UN number	Net quantity per package Passenger aircraft	Net 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

Section IB

Additional Requirements–Section IB

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).

~~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.~~

TABLE 965-IB

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

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:

- 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);

(d) use of unit load devices (5.0.1.3);

(e) with effect 1 April 2016, loading of cargo aircraft (9.3.4);

(ef) reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).

Additional Requirements–Section II

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.

~~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.

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.

~~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.

Pages 589 to 590; amend Packing Instruction 968 as shown:

PACKING INSTRUCTION 968

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:

- (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) loading of cargo aircraft (9.3.4);
- (ef) reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).