ADDENDUM No. 1 to DGR 57 Edition – 19 January 2016
第 57 版 付属編 ADDENDUM No. 1 - 2016 年 1 月 19 日

IATA 危険物規則書を使用される方々は 2016 年 1 月 1 日より効力を発する第 57 版に下に掲げる改訂と訂正があった事に留意して戴きたい。変更箇所は下線を引いて目立つようにしてある。政府及び運航者例外規定は、日本関連では運航者例外規定に Jetstar Japan (GK) が新設されたのみである。和訳では、例外規定の番号のみを記載し、例外規定の内容の詳細については添付してある英文の Addendum を参照されたい。特にリチウム電池についての例外規定の新設、変更が多いので、留意すること。

2.8.2 政府例外規定

2.8.1.3 の政府例外規定のリストに下記を追加
FRANCE の次に GHANA (GHG) を新設挿入
INDIA の次に INDONESIA (IDG) を新設挿入

GHG (GHANA) を加える
GHG-01, GHG-02, GHG-03, GHG-04. (内容は英文を参照させたし。)

IDG (INDONESIA) を加える
IDG-01, IDG-02. (内容は英文を参照させたし。)

2.8.4 運航者例外規定

2.8.3.4 的運航者例外規定のリストに下記を加える。
Atlasjet Airlines の次に Atlasjet Ukraine (UH) を新設挿入
Garuda Indonesia の次に GOL Airlines (G3) を新設挿入
Jetstar Asia の次に Jetstar Japan (GK) を新設挿入
Jetstar Japan の次に Jetstar Pacific (BL) を新設挿入

[訳者 注] 運航者例外規定の新設および改訂の内容の和訳は全文省略する。内容詳細については添付されている英文 Addendum を参照のこと。

3K (Jetstar Asia) を改訂
3K-03, 3K-05 を改訂

4C (Lan Clumbia) を改訂
4C-08 リチウム電池関連を改訂, 4C-11 を新設

4M (LAN Argentina) を改訂
4M-08 リチウム電池関連, 4M-11 を改訂

5X (United Parcel Service) を改訂
5X-07 リチウム電池関連を大幅改訂

AA (American Airlines) を改訂
AA-03, AA-07, AA-08 リチウム電池関連を改訂
AC (Air Canada) を改訂
AC-06, AC-07 と AC-08 リチウム電池関連を改訂

AS (Alaska Airlines) を改訂
AS-13 リチウム電池関連を改訂

AY (Finnair) を改訂
AY-05 リチウム電池関連を改訂

BL (Jetstar Pacific) を新設挿入
BL-01 新設

EK (Emirates) を改訂
EK-02 リチウム電池関連を改訂

ES (DHL Aviation EEMEA) を改訂
ES-01 を改訂

FJ (Fiji Airways) を改訂
FJ-03 リチウム電池関連を改訂

G3 (GOL Airlines) を新設挿入
G3-01, G3-02, G3-03, G3-04, G3-05, G3-06, G3-07 リチウム電池関連を新設

GA (Garuda Indonesia) を改訂
GA-04 を改訂, GA-11, GA-12, GA-13, GA-14 を新設挿入

GK (Jetstar Japan) を新設挿入
GK-01, GK-02, GK-03, GK-04, GK-05 及び GK-06 (リチウム電池関連) を新設

JJ (TAM Airlines) を改訂
JJ-08 リチウム電池関連を改訂, JJ-11 を改訂

JQ (Jetstar) を改訂
新しい JQ-05 を新設挿入, 現在の JQ-05 を JQ-06 に番号を変更して改訂 (すべてリチウム電池関連)

KC (Air Astana) を改訂
KC-01, KC-02 を改訂, KC-04, KC-05, KC-07 を削除, KC-13 を新設

KL (Royal Dutch Airlines/KLM Cityhopper B.V.) を改訂
KL-06 リチウム電池関連を全文削除

KQ (Kenya Airways) を改訂
KQ-09 リチウム電池関連を改訂

L7 (LANCO-Linea Aerea Carguera de Columbia S.A.)
L7-08 リチウム電池関連を改訂, L7-11 を改訂

LA (LAN Airlines) を改訂
LA-16 リチウム電池関連を改訂, LA-17 を改訂
LH (Deutsche Lufthansa/Lufthansa Cargo AG) を改訂
LH-02 を削除, LH-08 リチウム電池関連を改訂
LP (LAN Peru) を改訂
LP-08 リチウム電池関連を改訂, LP-11 を改訂

LU (LAN Express) を改訂
LU-08 リチウム電池関連を改訂, LU-11 を改訂

LX (Swiss International) を改訂
LX-06 リチウム電池関連を改訂

M3 (ABSA Cargo Airline) を改訂
M3-08 リチウム電池関連を改訂, M3-11 を改訂

M7 (MASAIR – Aerotransportes Mas de carga S.A. De CV.) を改訂
M7-08 リチウム電池関連を改訂, M7-11 を改訂

MN (Comair Pty) を改訂
MN-08, MN-09, MN-10 を新設挿入

MP (Martinair Holland) を改訂
MP-06 リチウム電池関連を全文削除

OM (MIAT – Mongolian Airlines) を改訂
OM-15 及び OM-19 共にリチウム電池関連を改訂

PZ (Transportes del Mercosul – TAM) を改訂
PZ-08 リチウム電池関連を改訂, PZ-11 を改訂

QK (Jazz Aviation LP) を改訂
QK-06, QK-07 共にリチウム電池関連を改訂, QK-08 を改訂

QR (Qatar Airways) を改訂
QR-07 リチウム電池関連を改訂

RO (TAROM Airlines) を改訂
RO-04 リチウム電池関連を改訂

RV (Air Canada Rouge) を改訂
RV-06, RV-07 共にリチウム電池関連を改訂, RV-08 を改訂

SV (Saudi Arabian Airlines) を改訂
SV-14 リチウム電池関連を改訂

TG (Thai Airways International) を改訂
TG-09 リチウム電池関連を改訂

UA (United Airlines) を改訂
UA-05 リチウム電池関連を改訂

UC (LAN Cargo) を改訂
UC-08 リチウム電池関連を改訂, UC-11 を改訂
UH (Atlasjet Ukraine) を新設挿入
UH-01, UH-02, UH-03, UH-04, UH-05, UH-06, UH-07, UN-08, UH-09, UH-10 (リチウム電池関連), UH-11(リチウム電池関連), UH-12 を新設挿入
VA (Virgin Australia) を改訂
VA-04 を新設挿入

XG (SunExpress Deutschand GmbH) を改訂
XG-08 リチウム電池関連を改訂

XL (LAN Ecuador) を改訂
XL-08 リチウム電池関連を改訂, XL-11 を X L改訂

XQ (SunExpress) を改訂
XQ-08 リチウム電池関連を改訂

[訳者　注] 運航者例外規定の新設および改訂の内容の和訳は全文省略する。内容詳細については添付されている英文 Addendum を参照のこと。

第2章  
Table 2.3.A 乗員・乘客が携行する危険物の規定を下掲のとおりに改める。

雪崩救出用リユックサック (Avalanche rescue backpack) の解説の中の区分 1.4S の火薬類の量を「純量 200mg を超えない」に改める。

スペアのバッテリー、或は装置に装着されていないバッテリー(リチウム金属及びリチウム・イオン電池を含む)の解説に下記の文言を追加挿入する。「バーバンクの如き電力源として機能することがその主たる目的の装置はスペアのバッテリー見做される。」

熱を出す物品(Heat producing articles) について航空会社の許可は必要で NO の表示を YES に修正する。

Lithium Batteries の解説の中の例として挙げている Power Banks を削除する。

2.3.5.9 Portable Electronic Devices (including Medical Devices) containing Batteries の解説の中で挙げている Power Banks を削除する。

第4章  
Table 4.2 危険物リストに次の2点を加える。

1.3.2 Benzodioxaborole G 蘭から L 欄までを Forbidden とし、M 欄に A210 と入れる。

Catecholborane G 蘭から L 欄までを Forbidden とし、M 欄に A210 と入れる。

4.4 特別規定に A210 を新設挿入する。

A210 この物質の航空輸送は禁じられている。発地国政府及び運送人の所
属する国の然るべき官庁の当該許可条件に従った書面による許可があれば貨物専用機での輸送が認められる。

第5章

Page 393, 5.0.1.3 Use of Freight Containers and Unit Load Devices の (g) 項に下記の Note を挿入追加

Note: 2016年4月1日以降、PI 965 Section II の要件に合致したリチウム・イオン・セルもしくはバッテリーは、運送人に渡す前にフレート・コンテナもしくは ULD に積み付けなければならない。

包装基準 PI 492

適合性の要件に下記を加える。
・金属の包装材料は腐食に強く、腐食に対して保護されていないければならない。

追加の包装要件に下記を加える。
・包装材料は PG II の規格を満たさなければならない。

包装基準 PI 952

次の文言を2番目のパラグラフとして挿入する。
車両が正常な天位置でない状態での取り扱いを受ける可能性がある場合には、下記に示す強固で強固な外装容器に確保・収納していなければならない。輸送の途中において車両が中で移動し、姿勢が変わって、損耗を生じないように動かぬように車両は外装容器の中にシッカリと固定されていなければならない。

【訳者注：車両を収納する強固な外装容器の表は英文の Addendum を参照してください。】

(a)2.に次の文章を2番目のセクションとして追加・挿入する。
リチウム・バッテリーで製造業者が安全上の理由で不良品であると認定されたもの、もしくは破損しているもの、危険な程度の熱、出火もしくは短絡を起こす可能性のあるもの等の輸送は禁止されている（例えば、製造業者が安全上の理由で返品されるもの等を含む）。

包装基準 PI 965

Section IA
個々のセルもしくはバッテリーは下記の要件を満たさなければならない。
1. 3.9.2.6 の規定を満たしていること；
2. 上記の一般要件を満たしていること、そして,
3. 2016年4月1日より,
リチウム・イオン・セル及びバッテリーは、当該セル及びバッテリーの所定容量の 30%を超えた充電率（State of Charge – SoC）で輸送の為に提供してはならない。所定容量の 30%を超えた充電率での輸送を意図する場合は、発地国政府並びに運送人の所属する国の政府の当該許可条件に従った書面による許可がないかぎり輸送は認められない。

Note: 所定容量を特定するための指針と方法は UN Manual of Tests and Criteria, 5th Revised Edition, Amend 1, Section
38.3.2.3 (国連の試験と基準のマニュアル、第5改訂版、改訂1、
Section 38.3.2.3)を参照のこと。

Section IB
リチウム・イオン・セル及びバッテリーは、個々のセル及びバッテリーが
3.9.2.6 (a)並びに(e)の要件に合致し、下記のすべてを満たせば輸送して
差し支えない。
1. リチウム・イオン・セルについてはワット時レーティングが 20Wh を
超さない場合；
2. リチウム・イオン・バッテリーについてはワット時レーティングが
100Wh を超さない場合。2009年1月1日以前に製造されたバッテリー
を除いて、ワット時レーティングがバッテリー・ケースの外表面に表
示されていない場合は以下に記載すること。

2016年4月1日より：
3. リチウム・イオン・セル及びバッテリーは、当該セル及びバッテリーの
所定容量の30%を超えた充電率（State of Charge - SoC）で輸送の
為に提供してはならない。所定容量の30%を超えた充電率での輸送を
意図する場合は、発地国政府並びに運送人の所属する国の政府の当該許
可条件に従った書面による許可がないかぎり輸送は認められない。

Note: 所定容量を特定するための指針と方法は UN Manual of Tests
and Criteria, 5th Revised Edition, Amend 1, Section 38.3.2.3
(国連の試験と基準のマニュアル、第5改訂版、改訂1、Section
38.3.2.3)を参照のこと。

Section II
リチウム・イオン・セル並びにバッテリーは、この項の要件を満たしてい
れば、下記の要件を除き、本規則の他の要件を満たす必要はない。
(a) 危険物を混載貨物に含める規則（DGR 1.3.3.2.3 及び1.3.3.2.6参照）
(b) 旅客及び乗員の手荷物に収納されている危険物（DGR 2.3参照）。特
に認定されているリチウム金属バッテリーは機内持ち込み手荷物とし
てのみ携行が許されている。
(c) 航空郵便に含まれている危険物（DGR 2.4参照）
(d) Unit Load Device (ULD)の使用（DGR 5.0.1.3参照）
(e) 危険物事故、事件もしくはその他の事故の報告（DGR 9.6.1 及び
9.6.2参照）

セルおよびバッテリーは5.0.2.4, 5.0.2.6.1および5.0.2.12.1の要件に合
う丈夫な外装容器に収納しなければならない。

2016年4月1日より：
リチウム・イオン・セル及びバッテリーは、当該セル及びバッテリーの所
定容量の30%を超えた充電率（State of Charge - SoC）で輸送の為に
提供してはならない。

Note: 所定容量を特定するための指針と方法は UN Manual of Tests
and Criteria, 5th Revised Edition, Amend 1, Section 38.3.2.3 (国
連の試験と基準のマニュアル、第5改訂版、改訂1、Section 38.3.2.3)
を参照のこと。
Section II - 追加要件（Additional Requirements）

個々の容器はリチウム・バッテリー取扱いラベルを貼ること（図 7.4.H 照）

危険物申告書は不要である。

2016年4月1日より：
荷送人は一件の貨物として、本 Section II に従って設えた包装物を1個を超えて輸送の為に供してはならない。

“Lithium ion batteries in compliance with Section II of PI 965” の文言が AWB を使用しているならば、AWB に記載されていなければならない。この情報は AWB の “Nature and Quantity of Goods” 欄に記入されていることが望ましい。

本 Section II に従って設えたリチウム・イオン・バッテリーの包装物もしくはオーバーパックを運送人に提供する時は、本規定に従わない他の貨物と別けて搬入しなければならない。運送人に提供する前に Unit Load Device (ULD) 等に積み付けて搬入してはならない。

セルやバッテリーの輸送の準備もしくは依頼する者は、それぞれの責任範囲の中で該当する必須事項についての適切な指導を受けて居なければならない。

Overpacks - Section II - Section II オーバーパック

本SectionIIの要件を満たしている1個を超えない包装物をオーバーパッ クに収納して差し支えない。お互いに危険に反応しあう恐れのある異なっ た物質が含まれていない限り、オーバーパックの中に危険物もしくは危険物でないものが収納されていても差し支えない。オーバーパックの中に収 納されている包装物のラベルが目視できなければ、オーバーパックには "Overpack" と言う文言がマークされ、図 7.4.H のリチウム・バッテリ ーのラベルが付されていなければならない。

注：本SectionIIの解釈において、オーバーパックとは一人的荷送人 が本 Section の規定に従った包装物 1 個を超えない量を収納するものを 言う。Section IA 並びに Section IB の規定に従った包装物にもこの 1 個を超えない規定が適用になる。

包装基準 PI 968

Section II

追加要件（Additional Requirements）

危険物申告書は不要である。

2016年4月1日より：
荷送人は一件の貨物として、本 Section II に従って設えた包装物を1個を超えて輸送の為に供してはならない。
“Lithium metal batteries in compliance with Section II of PI 968” 及び “Cargo Aircraft Only”もしく“CAO”の文言が AWB を使用しているならば、AWB に記載されていなければならない。この情報は AWB の “Nature and Quantity of Goods” 棟に記入されていることが望ましい。

Overpacks - Section II - Section II オーバーパック

本 Section II の要件を満たしている 1 個を超えない包装物をオーバーパッ クに収納して差し支えない。お互いに危険に反応しあう恐れのある異なっ た物質が含まれていない限り、オーバーパックの中に危険物もしくは危険 物でないものが収納されていても差し支えない。オーバーパックの中に収 納されている包装物のラベルが目視できなければ、オーバーパックには “Overpack” と言う文言がマークされ、図 7.4.H のリチウム・バッテリ ーのラベルが付されていなければならない。

Note: 本 Section II の解釈において、オーバーパックとは一人の荷送人 が本 Section の規定に従った包装物 1 個を超えない量を収納するものを 言う。Section IA 並びに Section IB の規定に従った包装物にもこの 1 個を超えない規定が適用になる。

包装基準 PI 970

Section II

Additional Requirements Section II - Section II 追加要件

装置・器具は丈夫で強固な外装容器に収納されていなければならない。セ ルもしくはバッテリーが、それらが組み込まれている装置・器具によって 同等な保護を受けていないかぎり、外装容器は容器のキャパシティおよび 目的に沿った適度な強度を持った適切な材質で作られているなければならない。

Section 9

Page 708, 9.1.4 Acceptance of Freight Containers and Unit Load Devices の 9.1.4.1 (g) 項に下記の Note を挿入追加

Note: 2016 年 4 月 1 日以降、PI 965 Section II の要件に合致したリチ ウム・イオン・セルもしくはバッテリーは、運送人に渡す以前にフレート・ コンテナーもしくは ULD に積み付けなければならない。

Appendix D.1

スイス政府の危険物監督官庁のデータを最新のものに改訂

Appendix D.2

スイス政府の放射性物質の監督官庁のデータを最新のものに改訂

Appendix E.2

危険物容器の検査機関の追加
China, People’s Republic of
Inspection Center for Dangerous Goods and Packaging

India
C.C. Shah & Sons

Kenya
Kenya Bureau of Standards

Switzerland
Swiss TS Technical Services AG
Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 57th Edition, effective from 1 January 2016.

Where appropriate, changes or amendments to existing text have been highlighted (in yellow - PDF or grey - hardcopy) to help identify the change or amendment.

**New or Amended State Variations (Section 2.8.2)**

In 2.8.1.3.List add:

After France: Ghana GHG
After India Indonesia IDG

Add new 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: ACIIYX;AFTN:DGAAFYX
e-mail: info@gcaa.com.gh
Website: www.gcaa.com.gh
Add new **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.

**New or Amended Operator Variations (Section 2.8.4)**

In 2.8.3.4 List add:

| After Atlasjet Airlines | Atlasjet Ukraine |
| After Garuda Indonesia: | GOL Airlines |
| After Jetstar Asia:     | Jetstar Japan |
| After Jetstar Japan:    | Jetstar Pacific |

Amend **3K (Jetstar Asia)**

**3K-03** New or used internal combustion engines will not be accepted for carriage in passenger baggage. Operator approval is required for carriage all new and used internal combustion engines (see 2.3.5.15).

**3K-05** Dangerous Goods in consolidation will not be accepted for carriage except for 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, up to maximum of 145 kg per flight, when used as refrigerant for non-dangerous goods consignment.

Amend **4C (LAN Colombia)**

**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.

Add new

**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.

Amend 4M (LAN Argentina)

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.

Add new

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.

Amend 5X (United Parcel Service)

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

• Depending on required routing, shipments of UN 3480, 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 UN 3171, 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 UN 3480 or UN 3090. The battery contained in the vehicle is limited to 5 kg maximum net weight;
  — 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 UN 3077, 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 UN 3245, 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.

Amend **AA (American Airlines)**

**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.**

**AA-07** UN 3480, Lithium Ion Batteries, Packing Instruction 965, will not be accepted for carriage. **(Exception: COMAT parts and supplies offered by AA Stores)**

**AA-08** The number of packages of Section II Lithium Batteries in Packing Instructions 966, 967, 969 and 970 must be indicated on the Air Waybill. 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.

Amend **AC (Air Canada)**

**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.

Add new

**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.

**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.
Amend AS (Alaska Airlines)

Add new.

**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.

Amend AY (Finnair)

Add new.

**AY-05** UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on Finnair. This applies to Section IA, IB and II of Packing Instruction 965.

Add new BL (Jetstar Pacific)

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

Amend EK (Emirates)

**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 metal 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.

Amend 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 MENA Europe Headquarters before presenting for transport:

Regional Restricted Commodities Group–DHL Express MENA Europe Headquarters

Tel: +49 (0) 341 4499 4949
Fax: +49 (0) 341 4499 88 4942
email: rcgmena@dhl.com, rcgalert@dhl.com

Amend FJ (Fiji Airways)

Add new

**FJ-03** UN 3480, lithium ion batteries are not permitted as cargo. This applies to Sections IA, IB and II of PI 965.
Add new 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 email to the following address:

email: gr-controledequalidadecgo@voegol.com.br

**Note:** The most current information about GOL Airlines and restrictions may be found at the following website:

http://voegol.com.br

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

- the shipper must provide proof that the shipment is legally accepted for transport and all State requirements have been met;
- the shipper must send to the airline a certificate signed by a doctor, scientist or other similar professional that the shipment 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;
- 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 (UN3481) in accordance with PI 966 or PI 967. Electronic cigarettes containing lithium batteries are prohibited for transport as Cargo on GOL Aircraft.

Amend GA (Garuda Indonesia)

**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.
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.

Add new

**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.

**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.

Add new **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 (2.3.5.6).

**GK-03** New or used internal combustions 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’
- UN3480 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).

Amend **JJ (TAM Airlines)**

*JJ-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.

Add new

**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.

Amend **JQ (Jetstar)**

Add new

**JQ-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.

Amend existing JQ-05 to become JQ-06 as follows:

**JQ-0506** 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 airway bill when no Shipper’s Declaration is required in the Handling Information or ‘Nature and Quantity of Goods’.
- UN3480 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 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 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).

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

**KC-02** The following Classes/divisions are NOT ACCEPTED for carriage without prior permission from KC Head Office:

- Class 1 Explosives, except ONLY Ammunition of Division 1.4S in passenger baggage (permitted according to DGR 2.3);
- Division 2.2 Non-flammable, non-toxic gases
- Class 3 Flammable liquids;
- Class 8 Corrosives Division 6.2, Infectious substances;
- Class 9 Miscellaneous Class 7 Radioactive materials.

For carriage of all other Classes and Divisions, Local Cargo Sales Office and/or requires pre-approval of KC Cargo Sales Head Office (cargo@airastana.com) should be contacted in advance during office working hours.

**KC-04** The carriage of dangerous goods onboard of Fokker-50 aircraft is PROHIBITED.

**KC-05** The operative telephone or facsimile number of the consignee must be shown on the Air Waybill.

**KC-07** All hazard labels must include text indicating the nature of the risk (see Figure 7.3.A through Figure 7.3.W, Figure 7.4.A and 10.7.7)
Add new

**KC-13** Lithium ion or lithium polymer cells and batteries UN 3480, packed in accordance with Section IA, IB and II of Packing Instruction 965 are forbidden for carriage as cargo on Air Astana aircraft.

Amend **KL (Royal Dutch Airlines/KLM Cityhopper B.V.)**

**KL-06** 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.

Amend **KQ (Kenya Airways)**

**KQ-09** Primary (non-rechargeable) Lithium metal batteries and cells, UN 3090 and UN 3091 will only 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 and or crew (see Table 2.3.A).

(b) Lithium metal batteries and cells contained in medical equipment being transported for humanitarian reasons.

Amend **L7 (LANCO-Línea Aérea Carguera de Colombia S.A.)**

**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.

Add new

**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.

Amend **LA (LAN Airlines)**

**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.

Add new

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.

Amend LH (Deutsche Lufthansa/Lufthansa Cargo AG)

**LH-02 Not Used.**

Dangerous goods in consolidations will not be accepted for carriage, except for the following shipments:

- consolidations containing UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;
- consolidations with only one house air waybill;
- consolidations with more than one house air waybill, in case of identical shipper.

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5)

**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 UN 3480 Lithium ion batteries prepared in accordance with Section IA and IB of PI 965 are prohibited as cargo on passenger aircraft. All consignments of UN 3480 and must be shown as CAO 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 UN 3090 Lithium metal batteries prepared in accordance with Section IA and IB of PI 968 are accepted as CAO as defined in these Regulations are permitted as cargo on passenger and cargo aircraft:
These restrictions not apply to:

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

Amend LP (LAN Peru)

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.

Add new

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.

Amend LU (LAN Express)

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.

Add new

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.

Amend LX (Swiss International)

LX-06 The following items must not be accepted for carriage on LX 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

For Lithium Ion Batteries of UN 3480—PI 965, Section IB an approval by LX Headquarters is required. For more information, please contact your local LX Cargo office.

Amend M3 (ABSA Cargo Airline)

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.

Add new

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.

Amend M7 (MASAIR–Aerotransportes Mas de carga SA. De CV.)

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.

Add new

**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.

Amend **MN (Comair Pty)**

Add new

**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.

Amend **MP (Martinair Holland)**

**MP-06** 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.

Amend **OM (MIAT—Mongolian Airlines)**

**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.

**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 **Section IA and IB of 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.

Amend **PZ (Transportes del Mercosul–TAM)**

**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.

Add new

**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.

Amend **QK (Jazz Aviation LP)**

**QK-06** The number of packages of Section II Lithium Batteries in Packing Instructions 965, 966, 967, 969 and 970 must be indicated on the Air Waybill.

Add new

**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.

**QK-08** UN3171, **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.

Amend **QR (Qatar Airways)**

**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 Sections IA and **II** of Packing Instruction 965 will be accepted on both passenger and cargo aircraft.

Add New **RO (TAROM Airlines)**

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

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.

Amend RV (Air Canada Rouge)

**RV-06** The number of packages of Section II Lithium Batteries in Packing Instructions 965, 966, 967, 969 and 970 must be indicated on the Air Waybill.

Add new

**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.

**RV-08** UN3171, **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.

Amend SV (Saudi Arabian Airlines)

Add new

**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.*

Amend TG (Thai Airways International)

**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.

Add new **UA (United Airlines)**

**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.

Amend UC (LAN Cargo)

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.

Add new

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.

Add new 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.

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
e-mail: 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 instruction).

**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 DGR 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 DGR 2.4).

Amend **VA (Virgin Australia)**

Add new

**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).

Amend **XG (SunExpress Deutschland GmbH)**

Add new

**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).

Amend **XL (LAN Ecuador)**

**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.

Add new

XL-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.

Amend XQ (SunExpress)

Add new

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).
Section 2
Pages 24-25, revise Table 2.3.A as below:

**TABLE 2.3.A Provisions for Dangerous Goods Carried by Passengers or Crew (Subsection 2.3)**

<table>
<thead>
<tr>
<th>The pilot-in-command must be informed of the location</th>
<th>Permitted in or as carry-on baggage</th>
<th>Permitted in or as checked baggage</th>
<th>The approval of the operator is required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Avalanche rescue backpack, one (1) per person,</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>containing a cartridge of compressed gas in Div. 2.2.</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>May also be equipped with a pyrotechnic trigger</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>mechanism containing less no more than 200 mg net</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>of Div. 1.4S. The backpack must be packed in such a</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>manner that it cannot be accidentally activated. The</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>airbags within the backpacks must be fitted with</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>pressure relief valves.</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Batteries, spare/loose, including lithium metal or</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>lithium ion cells or batteries, for portable</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>electronic devices must be carried in carry-on</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>baggage only. Articles which have the primary</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>purpose as a power source, e.g. power banks are</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>considered as spare batteries. These batteries must</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>be individually protected to prevent short circuits.</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Heat producing articles such as underwater torches</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>(diving lamps) and soldering irons. (See 2.3.4.6 for</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>details.)</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Lithium Batteries: Portable electronic devices</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>containing lithium metal or lithium ion batteries,</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>including medical devices such as portable oxygen</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>concentrators (POC) and consumer electronics such</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>as cameras, mobile phones, laptops, and tablets and</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>power banks, when carried by passengers or crew for</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>personal use. (see 2.3.5.9). Batteries must not</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>exceed 2 g for lithium metal batteries and 100 Wh</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>for lithium ion batteries.</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>
Page 27, revise paragraph as shown:

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, tablets, and power banks 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:

(a) each installed or spare battery must not exceed:
   1. for lithium metal or lithium alloy batteries, a lithium content of not more than 2 g; or
   2. for lithium ion batteries, a watt-hour rating of not more than 100 Wh.

(b) batteries and cells must be of a type that meets the requirements of the UN Manual of Tests and Criteria, Part III, subsection 38.3;

(c) articles containing lithium metal or lithium ion cells or batteries, the primary purpose of which is to provide power to another device, e.g. power banks, are permitted in carry-on baggage only. These articles 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;

(d) electronic cigarettes containing lithium batteries are permitted in carry-on baggage only (see 2.3.5.17);

(e) if devices are carried in checked baggage the passenger/crew member must take measures to prevent unintentional activation.

Section 4

Table 4.2: Add new entries as shown:

<table>
<thead>
<tr>
<th>UN/ID no.</th>
<th>Proper Shipping Name/Description</th>
<th>Class or Div. (Sub Risk)</th>
<th>Hazard Label(s)</th>
<th>EQ see 2.6 PG</th>
<th>Pkg</th>
<th>Max Net Qty/Pkg</th>
<th>Pkg</th>
<th>Max Net Qty/Pkg</th>
<th>Pkg</th>
<th>Max Net Qty/Pkg</th>
<th>Pkg</th>
<th>Max Net Qty/Pkg</th>
<th>S.P. see 4.4 ERG Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,3,2-Benzodioxaborole</td>
<td><strong>Forbidden</strong></td>
<td><strong>Forbidden</strong></td>
<td><strong>Forbidden</strong></td>
<td><strong>A210</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catecholborane</td>
<td><strong>Forbidden</strong></td>
<td><strong>Forbidden</strong></td>
<td><strong>Forbidden</strong></td>
<td><strong>A210</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Page 376 add new special provision

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.
Section 5

Page 393, amend as shown:

5.0.1.3 Use of Freight Containers and Unit Load Devices

The shipper must ensure that dangerous goods are not included in any freight container or unit load device except for the following:

(g) Lithium ion or lithium metal cells and batteries meeting the provisions of Section II of Packing Instructions 965, 966, 967, 969, 970;

**Note:** Effective 1st of April 2016, lithium ion cells and batteries meeting the provisions of Section II of Packing Instructions 965 must not be loaded in any freight container or unit load device before being offered to the operator.

Page 492, amend Packing Instruction 492 as shown:

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.

Pages 564 and 565, amend Packing Instruction 952 as shown:

PACKING INSTRUCTION 952

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.

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;

<table>
<thead>
<tr>
<th>UN number</th>
<th>Quantity per package Passenger aircraft</th>
<th>Quantity per package Cargo Aircraft Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3171, Battery-powered equipment, or Battery-powered vehicle</td>
<td>No limit</td>
<td>No limit</td>
</tr>
</tbody>
</table>

OUTER PACKAGINGS – Strong outer packagings - vehicles

<table>
<thead>
<tr>
<th>Type</th>
<th>Drums</th>
<th>Jerricans</th>
<th>Boxes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desc</td>
<td>Steel</td>
<td>Aluminium</td>
<td>Plywood</td>
</tr>
</tbody>
</table>

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

PACKING INSTRUCTION 965

Section IA

Each cell or battery must:

1. meet the provisions of 3.9.2.6; and
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.
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; and
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 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 ion 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) reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).

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.

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

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

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 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.

**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**

Individual packages each 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), unless the label(s) on the package(s) 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**

**Additional Requirements–Section II**

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.

**Overpacks–Section II**

**With effect 1 April 2016**

Individual packages each 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(s) 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 594; amend Packing Instruction 970 as shown:

**PACKING INSTRUCTION 970**

**Section II**

**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.

**Section 9**

Page 708, amend as shown:

**9.1.4 Acceptance of Freight Containers and Unit Load Devices**

9.1.4.1 An operator must not accept from a shipper a unit load device or a freight container containing dangerous goods other than:

(g) Lithium ion or lithium metal cells and batteries meeting the provisions of Section II of Packing Instructions 965, 966, 967, 969, 970;

**Note:** Effective 1st of April 2016, an operator must not accept from a shipper a unit load device or a freight container containing lithium ion cells and batteries meeting the provisions of Section II of Packing Instructions 965.

—

**Appendix D.1**

Page 854 amend contact details for Switzerland as follows:

**Switzerland (CH)**

Federal Office of Civil Aviation (FOCA)

Process Safety Division – Flight Operations

Operations of complex airplanes

P.O. Box 41

8048 Zurich Airport

Standardisation and Enforcement

3003 Berne

SWITZERLAND

Tel: +41 (31) 325 8039 (58) 465 8039

Fax: +41 (31) 325 8032 (43) 816 4066

Telex: 912 601

Website: [www.aviation.admin.ch](http://www.aviation.admin.ch)

email: gefahrgut@bazl.admin.ch or info@bazl.admin.ch
Appendix D.2

Page 868 amend contact details for Switzerland as follows:

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
CH-5232 Villigen/HSK
SWITZERLAND

Tel: +41 (56) 310 3918 460 8618 / +41 (56) 460 8400
Fax: +41 (56) 310 3855 460 8499
email: Stefan.theis@hsk.ch, Stefan.theis@ensi.ch
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 (31) 322 5642 (58) 462 56 42 / +41 (58) 462 56 36
Fax: +41 (31) 322 0078 (58) 462 00 78
email: office@bfe.admin.ch, 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
CH-5232 Villigen/HSK
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: +44 (31) 322 9603 +41 (58) 463 41 55
Fax: +44 (31) 322 8383 +41 (58) 422 83 83
email: Werner.zeller@bag.admin.ch, raphael.stroude@bag.admin.ch
email: info@bag.admin.ch
Advice concerning the sending of radioactive material by post:

Swiss Post
Customer Service international
Paketpost
CH-3030 Bern
SWITZERLAND

Tel:  +41 (31) 338 2724 +800 888 777 00 (for international calls)
Tel: 0800 888 100 (calls within Switzerland only)
Fax:  +41 (31) 338 0500
email: gefahrgut@post.ch
international@post.ch

Appendix E.2

Page 886, add a new entry for China, People’s Republic of, as follows:

Inspection Center for Dangerous Goods and Packaging
Jiangsu Entry-Exit
Inspection and Quarantine Bureau of P.R. of China
No.1268 Longjin Road, Xinbei Dist
Changzhou, Jiangsu, 213022
PEOPLES REPUBLIC OF CHINA

Tel:  +86 (519) 8515 2627
Fax:  +86 (519) 8690 6172
Email: gaox@jsciq.gov.cn

Page 887, add a new entry for India as follows:

India
C.C.Shah & Sons
239, Adarsh Industrial Estate
Andheri Sahar Road,Chakala
Andheri (E)
MUMBAI-400099
INDIA

Tel:  +91 22-67575757
Fax : +91 22-28203746
Mobile: 9833684357
e-mail: dipti@zline.in / pritesh@zline.in

Page 888, add new:

Kenya

Kenya Bureau of Standards
PO Box 54974
Nairobi 00200
KENYA

Tel:  +254 20 600 5490
Fax:  +254 20 600 9660
email: info@kebs.org
Website: www.kebs.org
Page 889, amend contact details for Switzerland as follows:

**Switzerland**

Swiss TS Technical Services AG  
Richtistrasse 15  
P.O. Box  
CH-8304  
Wallisellen  
SWITZERLAND

Tel: +41 (1) 877 6144 44  
Fax: +41 (1) 877 6245 02  
E-mail: info@swissts.ch  
Website: www.swissts.ch