



## ADDENDUM No. 2 to DGR 56 Edition - 04 May 2015

### 第 56 版 追補版 ADDENDUM No. 2 - 2015 年 5 月 4 日

IATA 危険物規則書を使用される方々は 2015 年 1 月 1 日より効力を発した第 56 版に、この度 Addendum No. 1 (1 月 8 日付け) に引き続き Addendum No. 2 が 5 月 8 日付で発行され、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。削除された箇所は横線を引いて消してある。政府例外規定の内、アメリカ政府例外規定の変更は全文翻訳してある。運航者例外規定の変更については、殆んどリチウム電池の輸送拒否もしくは制限に関するもので、例外規定の番号のみを記載し、例外規定の内容詳細は添付してある英文の Addendum を参照されたい。

#### 2.8.2 政府例外規定

##### PLG (ポーランド) の記述変更

PLG-01 使用済み核燃料および放射性廃棄物の輸送の担当官庁の変更

##### USG (アメリカ合衆国) の記述変更

##### USG-02

DGR 4.2 (危険物リスト) の G/H 欄、I/J 欄および K/L 欄に “Forbidden (輸送禁止)” と記載があり、且つ、特別規定 A1 も A2 も付記されていない危険物に追加して、アメリカ合衆国規則で輸送が禁止されている物は、如何なる状況下でもアメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない (49CFR 173.21 及び 49CFR 172.101 に掲載してある Hazardous Materials Table を参照すること)。

49CFR 172.101 の Hazardous Materials Table に特に許されていない限り、区分 6.1 で蒸気吸入毒性が包装等級 I のもの、もしくはガスで区分 2.3 の規定に合致するものは、旅客機、貨物専用機とも、アメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない。

~~一次(充電不能)のリチウム金属バッテリー及びセル(UN3090)は旅客機に搭載して輸送することは禁止である。かかるバッテリーで包装基準 968 の Section II の基準に従って輸送されるものは本規則で要求されている CARGO AIRCRAFT ONLY のラベルに加えて、“PRIMARY LITHIUM BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” もしくは “LITHIUM METAL BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” の文言が表示されていなければならない。~~

~~一次(充電不能)のリチウム金属バッテリー及びセルが装置や器具に組み込まれているもの、もしくは同梱で輸送される場合 (UN 3091) は下記を満たさない限り、旅客機に搭載は許されない。~~

- ~~1. 適宜、器具とバッテリーもしくはセルが、包装基準 969 もしくは 970 の条件に従って輸送されていること~~
- ~~2. 容器の中に意図した器具を作動させるため必要な数のバッテリーもしくはセル以上入っていないこと~~
- ~~3. 個々のセルの容量は、完全充電されている状態で 5g 以上のリチウム含有量がないこと。~~
- ~~4. 個々のバッテリーの負極 (anode) の総容量は、完全充電されている状態で 25g 以上のリチウム含有量がないこと。~~
- ~~5. リチウム・バッテリーの正味重量が 5kg (11 ポンド) を超えないこと。~~

~~一次(充電不能)のリチウム金属バッテリー及びセルで装置や器具に組み込まれているもの、もしくは同梱で輸送される場合 (UN 3091) で包装基準 969 もしくは 970 の Section I に従って輸送されるもので、上記の規定に当てはまらないものは旅客機での輸送は禁じられ、貨物専用機用の CAO ラベルを貼らなければならない。~~

~~一次(充電不能)のリチウム金属バッテリー及びセルが装置や器具に組み込まれているもの、もしくは同梱で輸送される場合 (UN 3091) で包装基準 969 もしくは 970 の Section II に従って輸送されるもので上記の規定に当てはまらないものは旅客機での輸送は禁じられ、下記の文言が記されていなければならない: “PRIMARY LITHIUM BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” もしくは、“LITHIUM METAL BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT”。~~

Notes:

1. 49CFR 172.101 (9A 欄) で旅客機搭載が禁じられている危険物は、この規則書でかかる輸送が許されていても、引き続き旅客機での輸送は禁じられている。49CFR 172.101 (9B 欄) で貨物専用機に搭載が禁じられているものは、この規則書でかかる輸送が許されていても、引き続き貨物専用機での輸送は禁じられている。
2. 49CFR 175.10 で乗員、乗客が預託手荷物もしくは機内持ち込み手荷物として搬送が禁じられているものは、この規則書の 2.3 で許されていても、引き続き禁じられている。例えば、雪崩救出用リュックサックは乗員、乗客が搬送してはならない (2.3.4.3 参照)。

### USG-03

Subsection 4.2 危険物リストに掲載されている物質には下記の規定が適用される。

- (a) M 欄に A1 と書かれている場合は、合衆国の然るべき官庁からの事前の許可がない限り、その物質を旅客機に搭載してアメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない。(USG-01 参照);
- (b) M 欄に A2 と書かれている場合は、合衆国の然るべき官庁からの事前の許可がない限り、その物質を貨物機に搭載してアメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない。(USG-01 参照);
- (c) 特別規定 A88 の規定に従って輸送される試作品のリチウム・バッテリーやセル、特別規定 A99 の規定で、使用する機器と同梱もしくは装着されて輸送されるリチウム・バッテリーやセル、及び、49CFR 173.225 (b) で技術名が特定できない有機過氧化物並びに自己反応物質は、合衆国の然るべき官庁からの事前の許可がない限り、その物質を旅客機もしくは貨物機に搭載してアメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない。(USG-01 参照);
- (d) M 欄に A201 と書かれている場合は、合衆国の然るべき官庁からの事前の許可がない限り、その物質を旅客機に搭載してアメリカ合衆国へ行く、出る、もしくは国内運送をしてはならない。(USG-01 参照)

### USG-16

Air bag inflators, Air bag module 及び Seat belt pretensioner、その他を含む **Safety devices** はアメリカ合衆国の Approvals and Permits Division (PHH-30) (USG-01 参照) の事前の許可のない限り、アメリカへ行く、出る、もしくはアメリカ国内を輸送してはならない。かかる許可は、物件の構成、デザイン、包装に変動がない限り、当該物件や物質の以後の輸送にも有効である。国内運送の場合、~~Air bag filter, Air bag module 及び Seat belt pretensioner~~ で区分 1.4G の火薬類の基準に合致するものは、UN 0431 Articles, pyrotechnic for technical purposes の名称で輸送されなければならない。危険物の運送書類(危険物申告書)に、一つ一つの承認された ~~Safety device inflator, module~~ もしくは ~~pretensioner~~ の EX 番号もしくは製品コードを 8.1.6.9.1 で要求されている基本的な品目明細に関連して記載されていなければならない。もし製品コードが使用されているときは、適宜、~~Safety device inflator, module~~ もしくは ~~pretensioner~~ の個々の EX 番号に監督官庁の職員が遡及できるようになっていなければならない。EX 番号もしくは製品コードは外装容器の上に記載する必要はない。この要件は CFR 173.166 の規定が守られている限り、**Safety devices** ~~air bag inflator, air bag modules~~ 及び、~~seat belt pretensioners~~ で Class 9 (UN 3268) に割り当てられるものには適用しない。

#### 【訳者 注】

ICAO/IATA では 2015 年 1 月 1 日より、UN 3268 の PSN をすべて Safety devices, electrically initiated に変更した。国連番号は変わらないが、正式輸送品目名の Air bag inflators, Air bag modules, Seat belt pretensioners をすべて Safety devices, electrically initiated に変えた。

なお、UN 0503 Air bag inflators, Air bag modules も国連番号は変更せずに、PSN を Safety devices, pyrotechnic に変更した。

#### 2.8.4 運航者例外規定

2.8.3.4 の運航者リストに下記を加える。

Air Niugini の次に **Air Serbia** JU  
Iberia の次に **Iberia Express** 12

JAT Airways JU を削除  
US Airways US を削除

**[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。殆んどリチウム電池の輸送拒否もしくは制限に関する事であるが、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。**

5X (United Parcel Service) の改訂  
5X-03, 5X-07 の改訂と、5X-08 の新設

AA (American Airlines) の改訂  
AA-07 と AA-08 の新設

AC (Air Canada) の改訂  
AC-05, AC-06 の改訂

B6 (JetBlue Airways) の改訂  
B6-01, B6-02 の改訂

BA (British Airways) の改訂  
BA-01 の改訂

C8 (Cargolux Italia) の改訂  
C8-01, C8-03, C8-04 の改訂

CV (Cargolux) の改訂  
CV-03, CV-04 の改訂

CX (Cathay Pacific Airways) の改訂  
CX-01, CX-07 の改訂

EK (Emirates) の改訂  
EK-02 の改訂

EY (ETIHAD Airways) の改訂  
EY-06 の改訂

FX (Federal Express) の改訂  
FX-02, FX-03, FX-18 の改訂

HX (Hong Kong Airlines) の改訂  
HX-07 の新設

I2 (Iberia Express) の新設・挿入  
I2-01, I2-02, I2-03, I2-04 の新設

IB (IBERIA, Lineas Aereas de Espana) の改訂  
IB-01 の改訂

JQ (Jetstar) の改訂  
JQ-03 の改訂と JQ-05 の新設

JU (JAT Airways Air Serbia) の社名変更と改訂  
JU-08, JU-11 の改訂、JU-13 の新設

KA (Hong Kong Dragon Airlines - Dragonair) の改訂  
KA-01, KA-07 の改訂

KL (Royal Dutch Airlines/KLM Cityhopper B.V.) の改訂  
KL-06 の新設

LD-01 (Air Hong Kong) の改訂  
LD-01, LD-07 の改訂

MK (Air Mauritius) の改訂  
MK-16 を新設

MP (Martinair Holland) の改訂  
MP-06 を新設

### QF (Qantas) の改訂

QF-05 を改訂、QF-06 を新設

### QK (Jazz Aviation LP) の改訂

QK-05 の改訂

### QR (Qatar Airways) を改訂

QR-01 と QR-06 を削除、QR-07 を新設

### RV (Air Canada Rouge) を改訂

RV-05 を改訂

### SQ (Singapore Airlines/Singapore Airlines Cargo) の改訂

SQ-07 を改訂、SQ-12 を新設

### TZ (Scoot Airlines) の改訂

TZ-06 を改訂、TZ-07 を新設

### UA (United Airlines) の改訂

UA-04 を新設

### US (US Airways) を全文削除

US-01, US-02, US-03, US-04, US-05, US-06 を削除

### VA (Virgin Australia) の改訂

VA-03 を新設

### WN (Southwest Airlines) の改訂

WN-01 を改訂

### XW (NokScoot Airlines) の改訂

XW-06 を改訂、XW-07 を新設

**[訳者 注] 運航者例外規定の新設および改訂の内容は大部分リチウム電池の受託拒否もしくは受託制限に関するものであるが、内容の詳細については英文の Addendum を参照のこと。**

## 第 2 章 (Section 2)

Page 27 の DGR 2.3.5.9 の (d) を (e) にずらし、新 (d) を加える

### 2.3.5.9 持ち運び可能な電子機器 (医療用の器具も含む) でバッテリーが含まれているもの (Portable Electronic Devices [including Medical Devices] containing Batteries)

持ち運び可能な電子機器 (医療用の器具も含む) (例えば、時計、計算機、カメラ、携帯電話、ラップトップ・コンピューター、カムコーダー、その他) でバッテリーが含まれているもので、乗員もしくは乗客が個人用の目的で携行するものは、機内持ち込み手荷物として持ち込まれることが望ましい。スペアのバッテリーは、ショートを防止するため、購入当初の小売の包装物に収納するとか、または端末を他の方法で絶縁するとかして、個々に保護されなければならない。露出している端末を絶縁テープで被せてしまうとか、バッテリーを個々に別々のプラスチックの袋に収納してしまうとか、もしくは保護袋に入れてしまうとかの方法が執られていなければならない。これらは機内持ち込み手荷物としてのみ認められる。更に、リチウム・バッテリーに関しては、下記の条件が満たされなければならない。

- (a) 個々の装着されているバッテリーもスペアのバッテリーも下記の値を超えていてはならない。
  1. リチウム金属もしくはリチウム合金のバッテリーについては、リチウム含有量は 2g を超えていてはならない。
  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 を超えていてはならない。
- (b) バッテリーやセルは国連の Manual of Tests and Criteria, Part III, subsection 38.3 が定めたテストの基準を満たしていなければならない。
- (c) リチウム金属もしくはリチウム・イオン・セルまたはバッテリーを含む物件の主たる用途が他の装置に動力を供給することであつたら、機内持ち込み手荷物としてのみの携行が許される。それらの物件は短絡しないように個別に保護され、元々の小売りの包装に収納するか、または端末を他の方法で、例えば、露出した端末をテープで覆うとか、個々のバッテリーを保護パウチもしくは、別々のプラスチックの袋に収納するとかして絶縁されていなければならない。

- (d) リチウム電池が含まれている電子シガレットは機内持ち込み手荷物として認める (2.3.5.17 参照)  
 (e) もしも、装置が預託手荷物として輸送される場合は、旅客および乗員は誤作動防止の手段を講じなければならない。

Page 28 に 2.3.5.17 Electronic Cigarettes Containing Batteries を新設

2.3.5.17 電池を含む電子シガレット (Electronic Cigarettes Containing Batteries)

e-シガーを含む電子シガレット並びにバッテリーを内蔵している個人用途の気化器 (吸入器 vaporizer) を旅客もしくは乗員が個人の目的で搬送する場合は機内持ち込み手荷物に収納しなければならない。これらの装置の充電、もしくは使用されているバッテリーの充電を機内で行うことは許されない。また、乗員・乗客は誤作動を防止する手段を講じていなければならない。予備の電池は短絡を防止するよう個々に保護されていなければならない。元々の小売りの包装に包まれているとか、または端末を他の方法で、例えば、露出した端末をテープで覆うとか、個々のバッテリーを保護パウチもしくは、別々のプラスチックの袋に収納するとかして絶縁されていなければならない。機内持ち込み手荷物に収納することに加えて、リチウム電池は下記の条件を順守しなければならない。

- (a) 個々の装着されているバッテリー、予備のバッテリーを問わず下記を超してはならない
1. リチウム金属もしくはリチウム合金のバッテリーに付いては、リチウム含有量が 2g を超えてはならない。
  2. リチウム・イオン・バッテリーに付いては、ワット時レーティングが 100Wh を超えてはならない。
- (b) セルやバッテリーは国連の UN Manual of Tests and Criteria Part III, subsection 38.3 で要求されている規格に合致するものでなければならない。

Page 25 の Table 2.3.A に Electronic Cigarettes の項を下記のように挿入する。

Permitted in or as carry-on baggage						
Permitted in or as checked baggage						
Permitted on one's person						
The approval of the operator(s) is required						
The pilot-in-command must be informed of the location						
...	YES	NO	YES	NO	NO	Electronic cigarettes (including e-cigars, e-pipes, other personal vaporizers) containing batteries, must be individually protected to prevent accidental activation.
	YES	YES	YES	NO	NO	Energy efficient lamps when in retail packaging intended for personal or home use.

第 4 章 (Section 4)

4.2 危険物リストの訂正

Page 259 UN 1793 の CAO 仕様の包装基準 (K 欄) を 855 から 856 に修正する。

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/Pk g	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
1793	Isopropyl acid phosphate	8	Corrosive	III	E1	Y841	1 L	852	5 L	855 856	60 L		8L

以 上



## IATA Dangerous Goods Regulations

56<sup>th</sup> Edition (English)  
Effective 1 January 2015

### **ADDENDUM 2** Posted 4 May 2015

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 56<sup>th</sup> Edition, effective from 1 January 2015.

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)**

##### **Amend PLG (Poland)**

**PLG-01** Transport of Consignments containing spent nuclear fuel or radioactive waste, transported to, from, through or over the territory of Poland will not be accepted without permission by the President of the Civil Aviation Office (CAO) after consultation with the President of the National Atomic Energy Agency. Every correspondence should be sent to the President of the CAO no later than thirty working days before planned flight. The applications should be sent to: are subject to prior written notification. Notification should be forwarded at least two weeks prior to shipment to:

President of Civil Aviation Office  
2 Flisa Street  
02-247 Warsaw  
POLAND

National Atomic Energy Agency (PAA)  
Department of Radiological Protection  
Krucza 36 Street  
00-522 Warsaw  
Telephone No: +48 22 695 97 43  
Fax No: +48 22 695 98 71  
E-mail: sekretariat.dor@paa.gov.pl

##### **Amend USG (United States)**

**USG-02** In addition to the dangerous goods included in Subsection 4.2 (List of Dangerous Goods) with the word "Forbidden" shown in columns G/H, I/J and K/L and with no A1 or A2 Special Provision indicated, any material forbidden for transport by the United States' Regulations is also forbidden for transport under any circumstances to, from or within the United States (see 49 CFR 173.21 and the Hazardous Materials Table in 49 CFR 172.101).

Unless specifically authorized by the Hazardous Material Table in 49 CFR 172.101, the transport of a liquid with a vapour inhalation toxicity meeting the criteria of Division 6.1, Packing Group I or a gas meeting the criteria of Division 2.3 is forbidden for transport aboard passenger and cargo aircraft to, from or within the United States.

Primary (non-rechargeable) lithium metal batteries and cells, (UN 3090), are forbidden for transportation aboard passenger-carrying aircraft. Such batteries transported in accordance with Section II of Packing Instruction 968 must be marked "PRIMARY LITHIUM BATTERIES — FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" or "LITHIUM METAL BATTERIES — FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" in addition to the CARGO AIRCRAFT ONLY label required by these Regulations.

Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) are forbidden for transportation aboard passenger-carrying aircraft unless:

1. the equipment and the batteries and cells are transported in accordance with Packing Instruction 969 or 970, as appropriate;
2. the package contains no more than the number of lithium metal batteries or cells necessary to power the intended piece of equipment;
3. the lithium content of each cell, when fully charged, is not more than 5 g;
4. the aggregate lithium content of the anode of each battery, when fully charged, is not more than 25 g; and
5. the net weight of lithium batteries does not exceed 5 kg (11 lb).

Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) and transported in accordance with Section I of Packing Instruction 969 or 970 that do not conform to the above provisions are forbidden for transportation aboard passenger-carrying aircraft and must be labelled with the CARGO AIRCRAFT ONLY label.

Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) and transported in accordance with Section II of Packing Instruction 969 or 970 that do not conform to the above provisions are forbidden for transportation aboard passenger-carrying aircraft and must be marked "PRIMARY LITHIUM BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" or "LITHIUM-METAL BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT".

**Notes:**

1. Dangerous goods that are forbidden on passenger aircraft by 49 CFR 172.101 (Column 9A) are also forbidden on passenger aircraft even when these Regulations permit such carriage. Dangerous goods that are forbidden on cargo aircraft by 49 CFR 172.101 (Column 9B) are also forbidden on cargo aircraft even when these Regulations permit such carriage.

2. Dangerous goods not permitted for carriage by passengers or crew in checked or carry-on baggage by 49 CFR 175.10 are not permitted for such carriage even when authorized by 2.3 of these Regulations. For example, the carriage of avalanche rescue backpacks by passenger or crew (see 2.3.4.3) is not authorized.

**USG-03** The following provisions apply to substances listed in Subsection 4.2—List of Dangerous Goods:

- (a) where A1 appears in Column M, the substance may not be transported to, from, or within the United States aboard a passenger aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- (b) where A2 appears in Column M, the substance may not be transported to, from, or within the United States aboard a cargo aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- (c) prototype lithium batteries and cells transported in accordance with special provision A88, lithium cells or batteries including when packed with equipment or contained in equipment transported in accordance with Special Provision A99, and organic peroxides and self-reactive substances that are not identified by technical name in 49 CFR 173.225(b) may not be transported to, from, or within the United States aboard a passenger or cargo aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- (d) where A201 appears in Column M, the lithium metal cells or batteries may not be transported to, from or within the United States aboard a passenger aircraft without the prior approval of the appropriate authority of the U.S. (see USG-01).

**USG-16** Safety devices (including Airair bag inflators, air bag modules and seat belt pretensioners, etc.) may not be transported to, from or within the United States without prior approval by the appropriate national authority of the US (see USG-01), Attention: Approvals and Permits Division (PHH-30). Such approval remains valid for subsequent transport provided there is no change in its composition, design or packaging. For domestic transport, air bag inflators, modules and pretensioners that meet the criteria for a Division 1.4G explosive must be transported using the description **Articles, pyrotechnic for technical purposes UN 0431**. The dangerous goods transport document (Shipper's Declaration) must contain the EX number or product code for each approved inflator, module or pretensionersafety device in association with the basic description required in 8.1.6.9.1. If product codes are used they must be traceable to the specific EX number assigned to the inflator, module or pretensioner, as applicable, safety device, the appropriate authority of the US The EX



number or product code is not required to be marked on the outside package. These requirements do not apply to ~~air bag inflators, air bag modules and seat belt pretensioners safety devices~~ assigned to Class 9 (UN 3268) provided that the provisions of 49 CFR 173.166 have been met.

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

In 2.8.3.4 List add:

After Air Niugini	Air Serbia	JU
After Iberia	Iberia Express	I2
After Jet Airways:	JetBlue Airways	B6

Delete: JAT Airways JU

Delete: US Airways US

In 2.8.4 make the following changes:

### **Amend 5X (United Parcel Service)**

**5X-03** Dangerous goods shipments will be accepted in Air Cargo Service by contract only. All contract applications must be reviewed and approved by the UPS Air Dangerous Goods Department (SDF) and Air Cargo Service (UPS Air Group-SDF). Hazard Classes accepted in Air Cargo Service are subject to approval, and shipments are subject to advance arrangement.

- ~~A contract is required for shipments of UN 3480, Lithium ion batteries, prepared in accordance with Section IB of Packing Instructions 965. Such shipments must be tendered with either:  
a completed Shipper's Declaration for Dangerous Goods; or  
an Air Waybill presenting the information required by Section IB, paragraph (b)(1) through (b)(4) of Packing Instructions 965.~~
- UPS Air Cargo Service does not accept shipments of UN 3090, Section IA or IB lithium metal batteries. Refer to 5X-08 for information regarding approval to ship UN 3090 Section II lithium metal batteries.

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

- Depending on required routing, shipments of ~~UN 3090, Lithium metal batteries, including Section II shipments, 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 additional restrictions imposed by aircraft operators which may limit UPS's ability to provide service to and from some origins and destinations.~~
- ~~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);~~
- 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 Air-Ss 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 Air-Ss services or UPS Air Cargo services);
- ~~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 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.

#### **Add new**

**5X-08** UPS limits transport of UN 3090 Lithium Metal Batteries to origins and destinations within its International Dangerous Goods (IDG) network. A listing of origins and destinations authorized for IDG may be found at the following link: <http://www.ups.com/content/us/en/resources/ship/idg/information/acl.html>

All customers who wish to ship UN 3090 Lithium Metal Batteries without equipment via UPS Air services must obtain pre-approval from UPS Airlines. The pre-approval requirement applies to lithium metal battery shipments that are considered lightly regulated (such as small cells or batteries), as well as to lithium metal battery shipments that are fully regulated and require dangerous goods shipping papers (Shipper's Declaration). This approval is separate and in addition to any other required UPS agreement.

More information regarding the approval program may be found at the following link: <http://www.ups.com/content/us/en/resources/ship/hazardous/responsible/lithium-battery-preapproval.html>

#### **Amend AA (American Airlines)**

##### **Add new**

**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.

#### **Amend AC (Air Canada)**

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

~~Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc.~~

~~(see Packing Instruction 950).~~

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

#### **Add new B6 (JetBlue Airways)**

##### **B6 (JetBlue Airways)**

**B6-01** JetBlue Airways will not accept shipments of dangerous goods as defined by these Regulations for carriage as cargo, including limited quantity and excepted quantity, except for the following:

- dry ice in a properly prepared package not to exceed 2.5 kg (5.5 lb) per package and 90 kg (200 lb) per flight. Dry ice is accepted only for the purposes of cooling human remains, medical organs, non-infectious specimens and blood for transfusion.

**B6-02** Commercial shipments of dangerous goods will not be accepted. Properly prepared company material (COMAT), aircraft spares shipments will be accepted.

#### **Amend BA (British Airways)**

**BA-01** **UN 3090 Lithium batteries. Primary (non-rechargeable) lithium (metal) UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on BA passenger carrying aircraft (see Packing Instruction 968/965).**

This prohibition does not apply to:

- UN 3091, ~~UN 3480, or~~ UN 3481
- Lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A).

#### Amend **C8 (Cargolux Italia)**

~~**C8-01** Radioactive materials, as defined in these Regulations, will not be accepted for carriage (see 10.10.2). With the exception of UN 2908, UN 2909, UN 2910, UN 2911, UN 2915, UN 2916 and UN 3332 radioactive material, as defined in these Regulations, will not be accepted for carriage.~~

~~**C8-03** Not used. Lithium ion cells and batteries (UN 3480), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 965 are prohibited from carriage on Cargolux aircraft. This prohibition does not apply to:~~

- ~~Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 or PI 967.~~

**C8-04** Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 968 are prohibited from carriage on Cargolux aircraft. 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;
- ~~Lithium ion cells and batteries (UN 3480) packed in accordance with PI 965; or~~
- ~~Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.~~

#### Amend **CV (Cargolux)**

~~**CV-03** Not used. Lithium ion cells and batteries (UN 3480), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 965 are prohibited from carriage on Cargolux aircraft. This prohibition does not apply to:~~

- ~~Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 or PI 967.~~

**CV-04** Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 968 are prohibited from carriage on Cargolux aircraft. 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;
- ~~Lithium ion cells and batteries (UN 3480) packed in accordance with PI 965; or~~
- ~~Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.~~

#### Amend **CX (Cathay Pacific Airways)**

~~**CX-01** Not used UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.~~

~~This prohibition does not apply to:~~

- ~~lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967; or~~
- ~~lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).~~

**CX-07** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967~~; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

#### Amend **EK (Emirates)**

**EK-02** ~~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 are forbidden for transport as cargo on Emirates cargo flights. 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. 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 also includes lithium metal batteries shipped under an approval in accordance with Special Provision A88, 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.~~

#### Amend **EY (ETIHAD Airways)**

**EY-06** ~~Not used.~~ UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Etihad aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.

~~This prohibition does not apply to:~~

- ~~lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967; or~~
- ~~lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).~~

#### Amend **FX (Federal Express)**

**FX-02** Except for UN 1230 — Methanol and Excepted Quantities (EQ), substances with a primary or subsidiary risk of Division 6.1 in Packing Group I or II:

- with an origin and destination within the USA, including Puerto Rico, will only be accepted if in approved DOT Exemption/Special Permit (SP) packaging;
- will only be accepted for International transport in “V” rated combination packaging.

~~Shippers of Division 6.1, Packing Group III primary or subsidiary risk MUST indicate “PG III” adjacent to the hazard label on the outer package for shipments to, from, within or transiting the USA.~~

Poison Inhalation Hazard (PIH) with a hazard zone “A” or any Class 2 substance with a toxic primary or subsidiary risk label will not be accepted for carriage.

**FX-03** Class 7 substances offered on FedEx International Priority Freight (IPF), FedEx International Premium (IP1) or FedEx International Express Freight (IXF) may require a pre-alert or pre-approval. Call (877) 398-5851 for additional information. Plutonium 239 and 241 will not be accepted as UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333.

FedEx Express will not accept labeled radioactive material with a subsidiary risk of 1.4, ~~2.1~~, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 8, or 2.2 with a Cargo Aircraft Only label unless the shipper has been pre-approved.

Class 7 shipments originating in a non-U.S. location require pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.

All fissile shipments worldwide require pre-approval. Call 1-901-434-3200 for assistance.

For mixtures or solutions of radionuclides enter "mixture" or "solution" as appropriate in the Quantity and Type of Packaging in **association associate** with the physical and chemical form (e.g., liquid salt solution or solid oxide mixture).

**FX-18** Shipper's Declaration for Dangerous Goods for all FedEx Express® dangerous goods shipments must be prepared using software with dangerous goods compliance edit checks and by one of the following methods:

- Certain FedEx electronic shipping solutions;
- Recognized shipper proprietary software; or
- FedEx recognized dangerous goods vendor software.

FX-18 currently does not apply to:

- Shipments originating in non-U.S. locations (including U.S. territories overseas, such as Puerto Rico);
- **FedEx International**, FedEx International Express Freight (IXF) and FedEx International Premium (IP1);
- Shipments containing class 7 radioactive materials.

**Note:**

*A list of FedEx recognized dangerous goods shipping application vendors can be reviewed at [www.fedex.com/us](http://www.fedex.com/us); dangerous goods (keyword).*

**Amend HX (Hong Kong Airlines)**

**Add new**

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

**Add new I2 (IBERIA Express)**

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

This prohibition does not apply to:

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

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

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

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

Amend **IB (IBERIA, Líneas Aéreas de España)**

**IB-01** ~~UN 3090 Lithium batteries. Primary (non-rechargeable) lithium (metal)~~ **UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries** and cells are prohibited from carriage as cargo on IB passenger carrying aircraft (see Packing Instruction **968965**).

This prohibition does not apply to:

- UN 3091, **UN 3480**, or UN 3481
- Lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A).

Amend **JQ (Jetstar)**

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

**Add new**

**JQ-05** Shipments of UN 3480 – Lithium ion batteries, including lithium polymer batteries are prohibited from carriage as cargo on Jetstar aircraft. This applies to Section IA, IB and II of Packing Instruction 965. Shipments exempt from this prohibition are:

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

The above exempt shipments must:

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

Amend **JU (JAT Airways Air Serbia)** as follows:

**JU (JAT Airways Air Serbia)**

**JU-08** Carbon dioxide, solid (Dry Ice) – UN 1845 ~~not more than 100 kg net quantity per hold. when carried as cargo must not exceed 100 kg net quantity per compartment on B737 and 243 kg on A320. When A319 operates limits may be provided by [cargo\\_booking@airserbia.com](mailto:cargo_booking@airserbia.com)~~

**JU-11** Small gaseous oxygen or air cylinders required for medical use will only be accepted empty as checked baggage, with the approval of ~~JAT Airways Air Serbia~~. Should a passenger require supplementary oxygen, this will be provided by ~~JAT Airways Air Serbia~~ at a cost with prior arrangements.

**Add New**

**JU-13** Lithium metal batteries are forbidden as cargo on JU (Air Serbia) aircraft. This includes Section I/IA, IB and II of packing instruction 968-970.

Amend **KA (Hong Kong Dragon Airlines (Dragonair))**

**KA-01** ~~Not used UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.~~

This prohibition does not apply to:

- lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3A).

**KA-07** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967;~~ or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

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

**Add new**

**KL-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 **LD (Air Hong Kong)**

**LD-01** ~~Not used UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965.~~

This prohibition does not apply to:

- lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3A).

**LD-07** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967;~~ or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

Amend **MK (Air Mauritius)**

**Add new**

**MK-16** The only lithium ion or metal cells or batteries accepted for transport on Air Mauritius aircraft as cargo are those prepared in accordance to **Section II of Packing Instructions 965, 966, 967, 969 and 970**.

This prohibition does not apply to:

1. lithium batteries covered by the Provisions of Dangerous Goods Carried by Passengers & Crew (**Table 2.3.A**);
2. lithium metal or ion cells or batteries contained in medical equipment being transported for humanitarian reasons with prior authorization from Air Mauritius Ground Services;
3. lithium metal or ion cells or batteries that are presented as Air Mauritius Company Material (**COMAT**).

**Additional document/s to accompany shipment/s.**

- (a) for Section II of PI 965, 966, 967, 969 and 970.form Ref MK ELI/ELM /001 obtained from Air Mauritius Cargo Commercial.

Amend **MP (Martinair Holland)**

**Add new**

**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 **QF (Qantas Airways)**

**QF-05** Shipments of UN3090 - Lithium metal cells and batteries, including lithium alloy batteries, are prohibited from carriage on Qantas ~~cargo~~ aircraft. This applies to Section 1A, 1B and Section II of Packing Instruction 968.

~~This prohibition does not apply to 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 3480, lithium ion cells and batteries when packed in accordance with Packing Instruction 965:~~
- UN 3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instruction 966 and 967;
- Lithium batteries when in accordance with the Provisions of Dangerous Goods Carried by Passengers or Crew.

**Add new**

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

Shipments exempt from this prohibition are:

- UN3480 Lithium ion batteries (including lithium polymer batteries), shipped as A.O.G spares.
  - The words “**A.O.G Spares**” must be entered in the “Additional Handling Information” on the Shipper’s Declaration or on the air waybill when no Shipper’s Declaration is required in the ‘Handling Information’ or ‘Nature and Quantity of Goods’.
- UN3480 Lithium ion batteries (including lithium polymer batteries), when shipped for use in urgent life-saving devices (where no other means of transport is available).

- The words “**Urgently required to Support Life-Saving Devices**” must be entered in the “Additional Handling Information” on the Shipper’s Declaration or on the 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. Shippers Declaration if applicable);
- not exceed 100 kg total weight per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

#### Amend **QK (Jazz Aviation LP)**

**QK-05** Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel must be classified as Class 9, UN 3166, Engines, internal combustion, flammable liquid powered, , or as Class 9, UN3166, Vehicle, flammable liquid powered, as appropriate.~~UN 3166, Class 9. Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc. (see Packing Instruction 950).~~

#### Amend **QR (Qatar Airways)**

**QR-01** ~~UN 1845 Carbon dioxide, solid (Dry Ice) is restricted as follows:~~

~~— Maximum of 200 kg per aircraft hold (Aft and bulk holds are considered as one hold) on all aircraft types except on B777F.~~

~~– B777F 400 kg in lower deck (Total in FWD + AFT + Bulk). Total Dry Ice quantity in lower deck and main deck must not exceed 1000 kg. Not used.~~

**QR-06** ~~Vehicles shipped in accordance with PI 950 must have the fuel tank drained of fuel as far as practicable, and if any fuel remains in the tank it must not exceed 1/8th of the total tank fuel capacity. Any additional fuel tank must remain empty. Not used.~~

#### Add new

**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 of Packing Instruction 965. UN 3480 prepared in accordance with Sections IB and II of Packing Instruction 965 will be accepted on both passenger and cargo aircraft.

#### Amend **RV (Air Canada Rouge)**

**RV-05** Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel must be classified as Class 9, UN 3166, Engines, internal combustion, flammable liquid powered, , or as Class 9, UN3166, Vehicle, flammable liquid powered, as appropriate.~~UN 3166, Class 9. Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc. (see Packing Instruction 950).~~

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

**SQ-07** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Singapore Airlines aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968. In addition lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo on Singapore Airlines passenger aircraft.



This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970 on passenger aircraft;
- lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 966 and PI 967; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

**Add new**

**SQ-12** UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on passenger carrying aircraft (see Packing Instruction 965). 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 Table 2.3.A).

**Amend TZ (Scoot Airlines)**

**TZ-06** Lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970;
- lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 966 and PI 967; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

**Add new**

**TZ-07** UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). This prohibition does not apply to:

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

**Amend UA (United Airlines)**

**Add new**

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

- Exception will be made for United Airlines Company materials.

Delete all US Airways variations as follows:

**US (US Airways)**

~~**US-01** Substances with a primary or subsidiary risk of Division 6.1 will not be accepted for carriage.~~

~~**US-02** Hazardous waste in any form, as defined by any regulation, will not be accepted for carriage (see Packing Instruction 622 and 8.1.3.3).~~

~~**US-03** Mercurial barometers will not be accepted for carriage as carry on or checked baggage (see 2.3.3.1).~~

~~**US-04** Salvage packagings will not be accepted for carriage (see 5.0.1.6, 6.0.6, 6.7, 7.1.4, 7.2.3.10).~~

~~**US-05** 2.2 non-flammable gases with a subsidiary risk of 5.1 will not be accepted for carriage. (Exception: COMAT parts and supplies only when offered in DOT31FP compliant containers).~~

~~US-06 Division 6.2 Category A, infectious substance affecting animals (UN 2900) and humans (UN 2814) will not be accepted for carriage (see Packing Instruction 620).~~

**Amend VA (Virgin Australia)**

**Add new**

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

- UN 3481 Lithium ion contained in or packed with equipment;
- UN 3091 Lithium metal batteries contained in or packed with equipment;
- Lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

**Amend WN (Southwest Airlines)**

**WN-01** Southwest Airlines will not accept commercial shipments of dangerous goods as defined by these Regulations including Limited Quantity (see 2.7) and Excepted Quantity (see 2.6) shipments, except for the following:

- shipments under the De Minimis quantity provisions are allowed (see 2.6.10);
- **UN 3480**, UN 3481, UN 3091 Lithium Battery shipments will only be accepted when packaged under Section II of the applicable packing instruction (see PI **965 966** - PI 967, PI 969 and PI 970);
- UN 3373 shipments are allowed. If package is being cooled by dry ice, the quantity of dry ice cannot exceed 2.5 kg.

**Amend XW (NokScoot Airlines)**

**XW-06** Lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970;
- lithium ion cells and batteries (**UN 3480 and** UN 3481) in accordance with **PI 965 to PI 966 and** PI 967; or
- lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods carried by Passengers or Crew (see 2.3.2 to 2.3.5 and Table 2.3.A).

**Add new**

**XW-07** UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). This prohibition does not apply to:

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

**Section 2**

Page 27, amend 2.3.5.9 as follows:

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

Portable electronic devices (including medical devices) (such as watches, calculating machines, cameras, cellular phones, lap-top computers, camcorders) 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, 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.

Page 28, add new 2.3.5.17 as follows:

**2.3.5.17 Electronic Cigarettes Containing Batteries**

Electronic cigarettes including e-cigars and other personal vaporizers containing batteries when carried by passengers or crew for personal use must be in carry-on baggage only. Recharging of these devices and/or batteries on board the aircraft is not permitted and the passenger/crew member must take measures to prevent accidental activation. 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.

Page 25 amend Table 2.3.A as follows:

Permitted in or as carry-on baggage					
Permitted in or as checked baggage					
Permitted on one's person					
The approval of the operator(s) is required					
The pilot-in-command must be informed of the location					
YES	NO	YES	NO	NO	<b>Electronic cigarettes (including e-cigars, e-pipes, other personal vaporizers) containing batteries, must be individually protected to prevent accidental activation.</b>
YES	YES	YES	NO	NO	<b>Energy efficient lamps</b> when in retail packaging intended for personal or home use.



**Section 4.2**

Page 259 UN 1793 change Packing Instruction 855 to 856 in Column K 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/Pk g	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
1793	<b>Isopropyl acid phosphate</b>	8	Corrosive	III	E1	Y841	1 L	852	5 L	855 856	60 L		8L