

22nd November, 2017

Dear Valued Customers,

Japan Airlines

**Regulatory Amendments to the Handling of Lithium Batteries and Engines after January 2018**

We thank you for your continued support to JAL CARGO.

Please be advised that the regulations will partly be modified following the IATA Dangerous Goods Regulations (DGR) 59th edition coming into effect from 1st January 2018. On this letter, we inform you of the changes in handling of lithium batteries and engines in compliant with these modifications as follows.

Your understanding and cooperation to safe transport of dangerous goods by air will be highly appreciated.

**1. Amendments to the regulations of lithium batteries**

Packing Instruction 965 (UN3480 Lithium ion batteries) and Packing Instruction 968 (UN3090 Lithium metal batteries) [\*]

A. Following descriptions on additional requirements on Section IA and Section IB have been added;

- ① Cells and batteries must not be packed in the same outer packaging with dangerous goods classified in Class 1 (explosives) other than Division 1.4S, Division 2.1 (flammable gases), Class 3 (flammable liquids), Division 4.1 (flammable solids) or Division 5.1 (oxidizers).
- ② Packages containing cells or batteries must not be placed in an overpack with packages containing dangerous goods classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1

B. Following description on additional requirements on Section II has been added;

Cells and batteries must not be packed in the same outer packaging with other dangerous goods.

C. Underlined parts on overpack requirements on Section II lithium batteries have been added;

No 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, other than dangerous goods classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1 and Division 5.1, or goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other.

[\*] Please note that UN3480 Lithium ion batteries with Packing Instruction 965 applied, and UN3090 Lithium metal batteries with Packing Instruction 968 applied are forbidden on passenger aircraft under IATA Dangerous Goods Regulations.

**2. Addition of documentation requirement when transporting flammable liquid powered engine, internal combustion, or fuel cell engine as not-restricted item**

It has been added to Special Provision A70 to indicate that the shipper is required to provide the operator with written or electronic documentation stating that a flushing and purging procedure has been followed, if the shipper intends to transport flammable liquid powered engine, internal combustion, or fuel cell engine as not-restricted item.

After January 1<sup>st</sup> 2018, if you intend to transport flammable liquid powered engine as not-restricted item, please note that you will be required to submit written or electronic documentation to the carrier to prove that a flushing and purging of the goods has been appropriately completed.

**3. Others**

Please see the attachments where we provide flowcharts for the handling of lithium batteries that reflect the amendments stated in above paragraph 1.

[Attachments]

- 1.Attachment-1 :Lithium Ion or Lithium Polymer Cells and Batteries (UN3480,UN3481)
- 2.Attachment-2:Lithium Metal or Lithium Alloy Cell and Batteries (UN3090, UN3091)

End