JAL CARGO

Japan Airlines Co., Ltd.
NRE Tennozu Building 19F
4-11, Higashi-Shinagawa 2-Chome,
Shinagawa-ku, Tokyo 140-8637, Japan
Tel: 03-5460-5747 Fax: 03-5460-5859

JAL CARGO INFO-17-058

23rd February, 2018

Dear Valued Customers,

Japan Airlines

Handling of Smart Luggage (International Cargo)

We thank you for your continued support to JAL CARGO.

Handling of luggage equipped with lithium batteries, commonly known as "Smart Luggage**", as passenger baggage has been modified with the issuance of Addendum to IATA DGR 59th Edition which became effective 15th January 2018. In accordance with this modification, Japan Airlines will clarify handling of "Smart Luggage" carried as cargo.

Your understanding and cooperation in this matter will be highly appreciated.

Please be noted that this notification is just the clarification of JAL handling of cargo and NOT the amendment of cargo provisions in ICAO/IATA Dangerous Goods Regulations.

**Smart Luggage = Multifunctional luggage equipped with lithium batteries, having functions of charging other electronic devices, GPS, or auto-locking.

1. JAL Handling of "Smart Luggage" as Cargo

"Smart Luggage" carried as passenger baggage is being handled the same way as mobile battery and spare lithium battery, having strong characteristics as "battery". For this reason, we classify this product as UN3480 Lithium ion batteries, and **we will prohibit carriage of "Smart Luggage" as cargo on all JAL flights**. (However, Smart Luggage equipped with lithium button cells or batteries is excluded from this prohibition)

2. Date of effect

JAL will start to prohibit acceptance of "Smart Luggage" as cargo, **from 1st March 2018, Thursday**.

3. Handling of lithium ion batteries other than "Powerbank" and "Smart Luggage"

Upon booking of the shipment classified as UN3481 Lithium ion batteries packed with equipment under Packing Instruction 966 or UN3481 Lithium ion batteries contained in equipment under Packing Instruction 967, please confirm and let our reservation staff know that **the shipment does not contain "Powerbank" (Mobile Battery) and "Smart Luggage"**. If this information is missing, there will be a risk that we will NOT be able to forward the shipment by booked flight.

4. Others

(1) UN3480 is NOT included in the list of dangerous goods which may be accepted in air mail, therefore "Powerbank" (Mobile Battery) and "Smart Luggage" cannot be accepted / transported by air mail.

(2) Please see the attachment where we provide flowchart for the handling of lithium ion batteries that reflects the point stated in this notification.
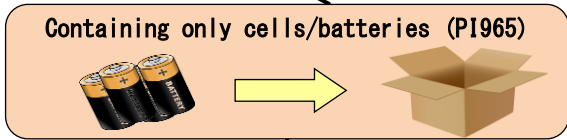
[Attachment]
  Attachment-1：Lithium Ion or Lithium Polymer Cells and Batteries (UN3480,UN3481)

End

Lithium Ion or Lithium Polymer Cells and Batteries (UN 3480 and UN 3481)

Note: Indicated in blue letters are the revised points in February 2018

How are the lithium Ion cells/batteries packed?

Containing only cells/batteries (PI965)

Forbidden on Passenger Aircraft

Only cells/batteries with State of Charge (SoC) not exceeding 30% of rated design capacity are allowed

[Watt-hour rating]
- For cells, a Watt-hour rating is exceeding 20 Wh per cell? or
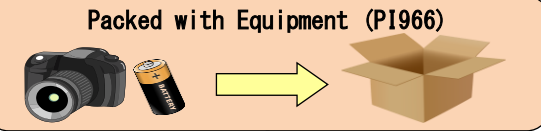- For batteries, a Watt-hour rating is exceeding 100 Wh per battery?

Yes → / No →

【cells/ batteries in one package】
- For cells, the package containing more than 8 cells ?
- For batteries, the package containing more than 2 batteries? or
- For cells and/or batteries with a Watt-hour rating of 2.7 Wh or less per cell or battery, regardless of the number of the cells or batteries, total net quantitiy of the cells and batteries in one package exceed 2.5 kg?
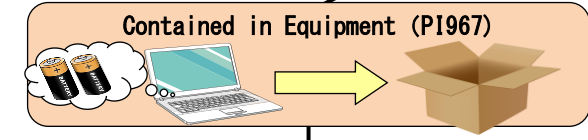
Yes → / No →

Packed with Equipment (PI966)

[Watt-hour rating]
- For cells, a Watt-hour rating is exceeding 20 Wh per cell? or
- For batteries, a Watt-hour rating is exceeding 100 Wh per battery?

Yes / No

Contained in Equipment (PI967)

[Watt-hour rating]
- For cells, a Watt-hour rating is exceeding 20 Wh per cell? or
- For batteries, a Watt-hour rating is exceeding 100 Wh per battery?

Yes / No

Package contains only button cell batteries installed in equipment. — No

Packages per 1MAWB or 1HAWB are more than 2 — No / Yes

Number of cells or batteries contained in one package
- in case of cell: more than 4
- in case of battery : more than 2

Yes / No

UN3480 PI965	Section IA	Section IB	Section II
Quantity Limitation	Max net quantity of lithium ion cells or batteries per package must not exceed 35kg	Max net quantity of lithium ion cells or batteries per package must not exceed 10kg	•Limited to one package per MAWB or per HAWB in case of consolidation •Packages and overpacks of this section must be offered separately from non–DG ① For cells and batteries with a watt-hour rating of 2.7Wh or less: •Max number of cells and/or batteries per package: No limit; •Max net quantity of cells and/or batteries per package: 2.5kg ② For cells with a watt-hour rating of more than 2.7Wh but not more than 20Wh: •Max number of cells per package: 8 cells •Max net quantity of cells per package: Not Applicable ③ For batteries with a watt-hour rating of more than 2.7Wh but not more than 100Wh: •Max number of batteries per package: 2 batteries •Max net quantity of batteries per package:: Not Applicable 【Note】cells and/or batteries specified in above ① to ③ must not be combined in the same package.
Shipper's Declaration	Required	Required	Not Required
AWB	The statement "Dangerous goods as per attached shipper's declaration" or "Dangerous goods as per attached DGD" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB	The statement "Dangerous goods as per attached shipper's declaration" or "Dangerous goods as per attached DGD" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB	The statement "Lithium ion batteries in compliance with Section II of PI965" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB
Labelling, Marking	1. Lithium battery Class 9 label and CAO label shall be attached. [Note1] 2. Marking requirements as DG shall be met in accordance with Section 7 of the DGR.	1. Lithium battery Class 9 label, CAO label, and Lithium battery mark shall be attached. [Note1] 2. Marking requirements as DG shall be met in accordance with Section 7 of the DGR.	1. CAO label and Lithium battery mark shall be attached. 2. Marking requirements as Overpack of DG under Section II of PI965 shall be met, if applicable.
UN Specification packaging	UN packaging meeting PG Ⅱ performance standards.	Not Required (The packaging must be capable of withstand a 1.2m drop test.)	Not Required (The packaging must be capable of withstand a 1.2m drop test.)
Different DGs Packed in one outer package	Cells and batteries must not be packed in the same outer packaging with dangerous goods classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1, or Division 5.1.	Cells and batteries must not be packed in the same outer packaging with dangerous goods classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1, or Division 5.1.	Cells and batteries must not be packed in the same outer packaging with other dangerous goods.
Overpack	Packages containing cells and batteries must not be placed in an overpack with DGs classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1, or Division 5.1.	Packages containing cells and batteries must not be placed in an overpack with DGs classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1, or Division 5.1.	•No more than one package may be placed in an overpack. •Packages containing cells and batteries must not be placed in an overpack with DGs classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1, or Division 5.1.
Shipper Loaded ULD	Not Acceptable	Not Acceptable	Not Acceptable

UN3481 PI966	Section I	Section II
Quantity Limitation	Number of cells or batteries must not exceed appropriate number for the equipment's operation plus 2 spares. AND Max net quantity of lithium ion cells or batteries per Package must not exceed the followings: •For Passenger Aircraft : 5kg; •For Cargo Aircraft only : 35kg.	Number of cells or batteries must not exceed appropriate number for the equipment's operation plus 2 spares. AND Max net quantity of lithium ion cells or batteries per package must not exceed the followings: •For Passenger Aircraft : 5kg; •For Cargo Aircraft only : 5kg.
Shipper's Declaration	Required	Not Required
AWB	The statement "Dangerous goods as per attached shipper's declaration" or "Dangerous goods as per attached DGD" must be shown on the AWB	The statement "Lithium ion batteries in compliance with Section II of PI966" must be shown on the AWB
Labelling, Marking	1. Lithium battery Class 9 label shall be attached. [Note1] 2. Marking requirements as DG shall be met in accordance with Section 7 of the DGR.	1. Lithium battery mark shall be attached. [Note1] 2. Marking requirements as Overpack of DG under Section II of PI966 shall be met, if applicable.
UN Specification packaging	UN specification packaging meeting the packing group Ⅱ performance standards must be used.	Not Required (The packaging must be capable of withstand a 1.2m drop test.)
Shipper Loaded ULD	Not Acceptable	Acceptable (Lithium battery mark must be reproduced on the outside of the ULD)

UN3481 PI967	Section I	Section II	Section II
Quantity Limitation	Max net quantity of lithium cells or batteries per Package must not exceed the followings: •For Passenger Aircraft : 5kg; •For Cargo Aircraft only : 35kg.	Max net quantity of lithium cells or batteries per package must not exceed the followings: •For Passenger Aircraft : 5kg; •For Cargo Aircraft only : 5kg.	Max net quantity of lithium ion cells or batteries contained in equipment per package must not exceed the followings: •For Passenger Aircraft:5kg; •For Cargo Aircraft only:5kg.
Shipper's Declaration	Required	Not Required	Not Required
AWB	The statement "Dangerous goods as per attached shipper's declaration" or "Dangerous goods as per attached DGD" must be shown on the AWB	The statement "Lithium ion batteries in compliance with Section II of PI967" must be shown on the AWB	Not Required (Statement of Section II must not be shown on the AWB.)
Labelling, Marking	1. Lithium battery Class 9 label shall be attached. [Note1] 2. Marking requirements as DG shall be met in accordance with Section 7 of the DGR.	1. Lithium battery mark shall be attached. [Note1] 2. Marking requirements as Overpack of DG under Section II of PI967 shall be met, if applicable.	Not Required
UN Specification packaging	Not Required	Not Required	Not Required
Shipper Loaded ULD	Not Acceptable	Acceptable (Lithium battery mark must be reproduced on the outside of the ULD)	Acceptable

【Note1】Following labelling is permitted until 31st December 2018 as a transitional procedure;
1. Attach conventional Class 9 label instead of lithium battery Class 9 label.
2. Attach lithium battery handling label set out in 57th edition of DGR (2016 version) instead of lithium battery mark.

【Note2】"Powerbank" and "Smart Luggage" are not an operational electronic device, having strong characteristics as "battery," the main purpose of which is to charge or supply power to another electronic device. For this reason, JAL will NOT handle these products as UN3481 Lithium ion batteries packed with equipment, PI966 or UN3481 Lithium ion batteries contained in equipment, PI967.