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JAL CARGO INFO-23-032

29th December, 2023

Dear Valued Customers,

**Dangerous Goods Handling in Japan Airlines from January 2024**

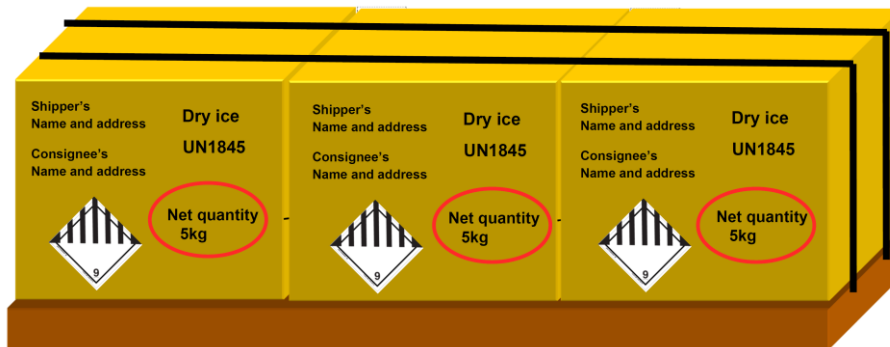
We thank you for your continued support to JAL CARGO.

Please be advised that IATA Dangerous Goods Regulations (DGR) will be partly amended and these amendments will be reflected to IATA DGR 65th Edition with effect from 1st January 2024. In this letter, we would like to notify our customers of the change in dangerous goods regulations which our customers are requested to take into account when handling dangerous goods. Your understanding and cooperation to ensure safe transport of dangerous goods by air will be highly appreciated.

**1. Amendment of Marking Requirement to an Overpack Containing Dry Ice inside the Packages [DGR64th Edition]**

Marking of the total net quantity of dry ice on an overpack is not required if marking of the net quantity of dry ice on each package within the overpack is clearly visible. The marking of the net quantity of dry ice is visible in such situations as the shipper using shrink-wraps to the overpack or using metal wires to fix each package within the overpack. (7.1.7.1)

Marking requirements of dry ice in an overpack under the DGR64th edition



**[DGR65th Edition]**

**Marking of the total net quantity of dry ice on an overpack is mandatory irrespective of whether or not the marking of net quantity of dry ice contained in each package inside the overpack is visible.** This includes such situations as the shipper using shrink-wraps to the overpack or using metal wires to fix each package within the overpack, where marking of the net quantity of the dry ice on each package is visible. (New paragraph 7.1.7.1.1 has been added.)

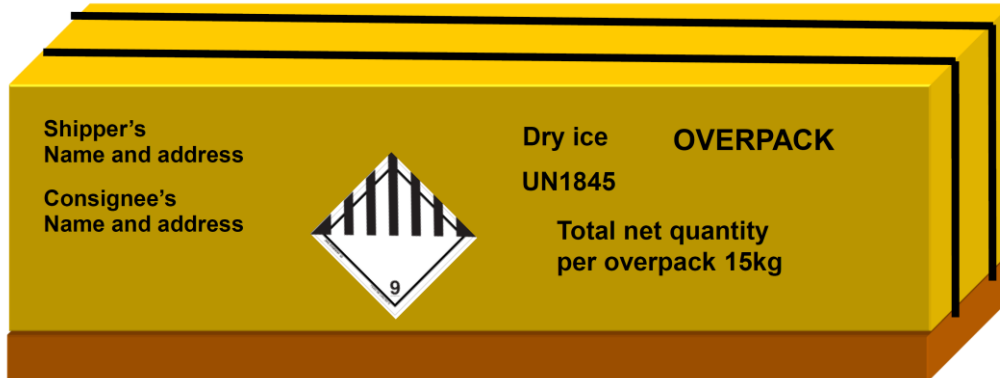
Marking requirements of dry ice in an overpack under the DGR65th edition



[Note]

There is no change about the application of the DG regulations on overpack, if marks and labels on each package are not visible. In that case, marks and labels other than UN specification marks must be reproduced on the outside of the overpack.

If marks and labels on each package within the overpack are not visible, there is no change about the application of DG regulations on overpack.



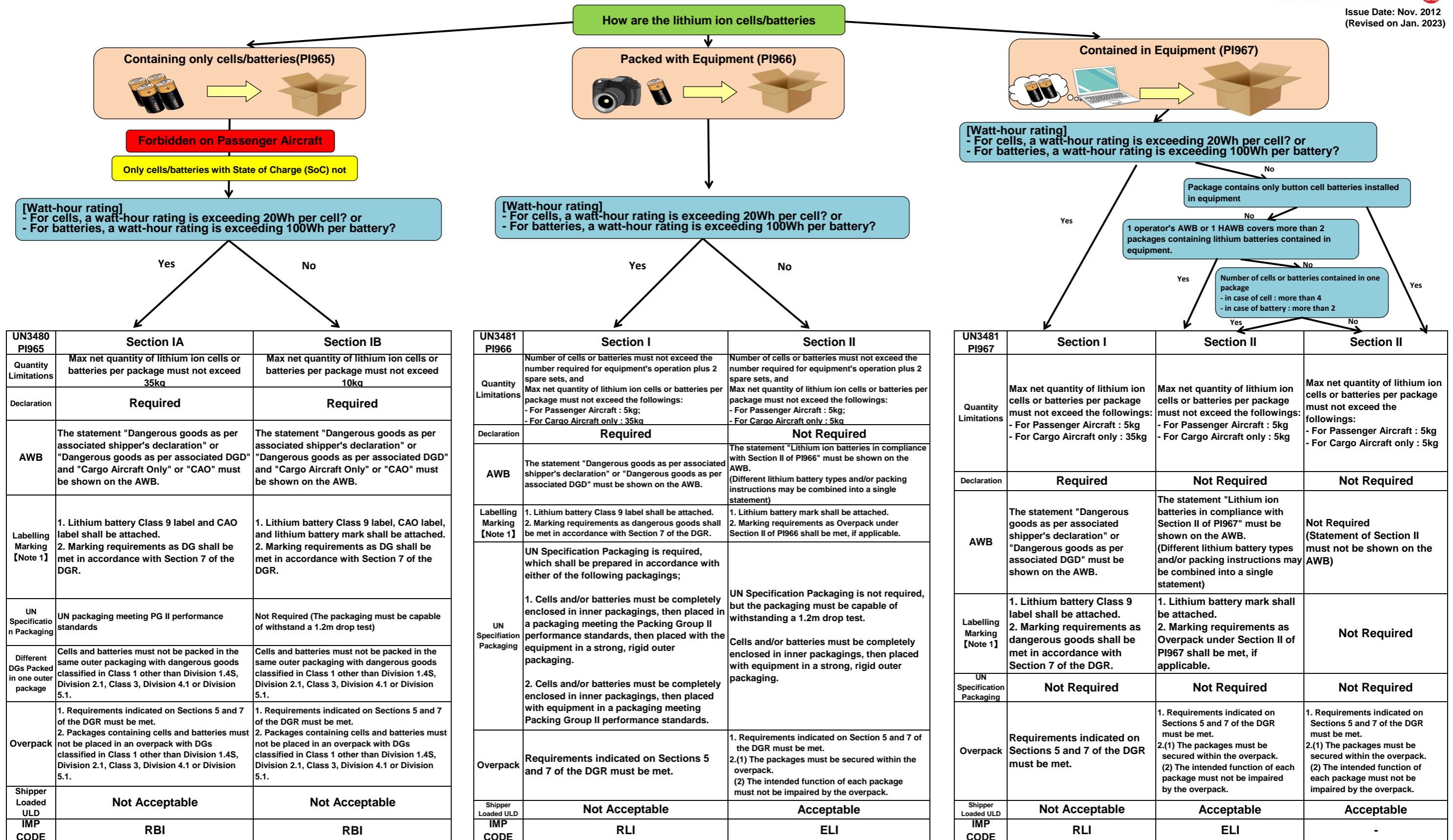
**2.Transport Regulations on Lithium Batteries**

In 2024, there will be no change on Packing Instructions and transport regulations on lithium ion batteries and lithium metal batteries on their own, packed with equipment, and contained in equipment. For your reference, we attach flowcharts for lithium batteries for 2023 to this customer notification.

- 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

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



UN3480 PI965	Section IA	Section IB
Quantity Limitations	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
Declaration	Required	Required
AWB	The statement "Dangerous goods as per associated shipper's declaration" or "Dangerous goods as per associated DGD" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB.	The statement "Dangerous goods as per associated shipper's declaration" or "Dangerous goods as per associated DGD" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB.
Labelling Marking [Note 1]	1. Lithium battery Class 9 label and CAO label shall be attached. 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. 2. Marking requirements as DG shall be met in accordance with Section 7 of the DGR.
UN Specification Packaging	UN packaging meeting PG II performance standards	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.
Overpack	1. Requirements indicated on Sections 5 and 7 of the DGR must be met. 2. 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.	1. Requirements indicated on Sections 5 and 7 of the DGR must be met. 2. 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
IMP CODE	RBI	RBI

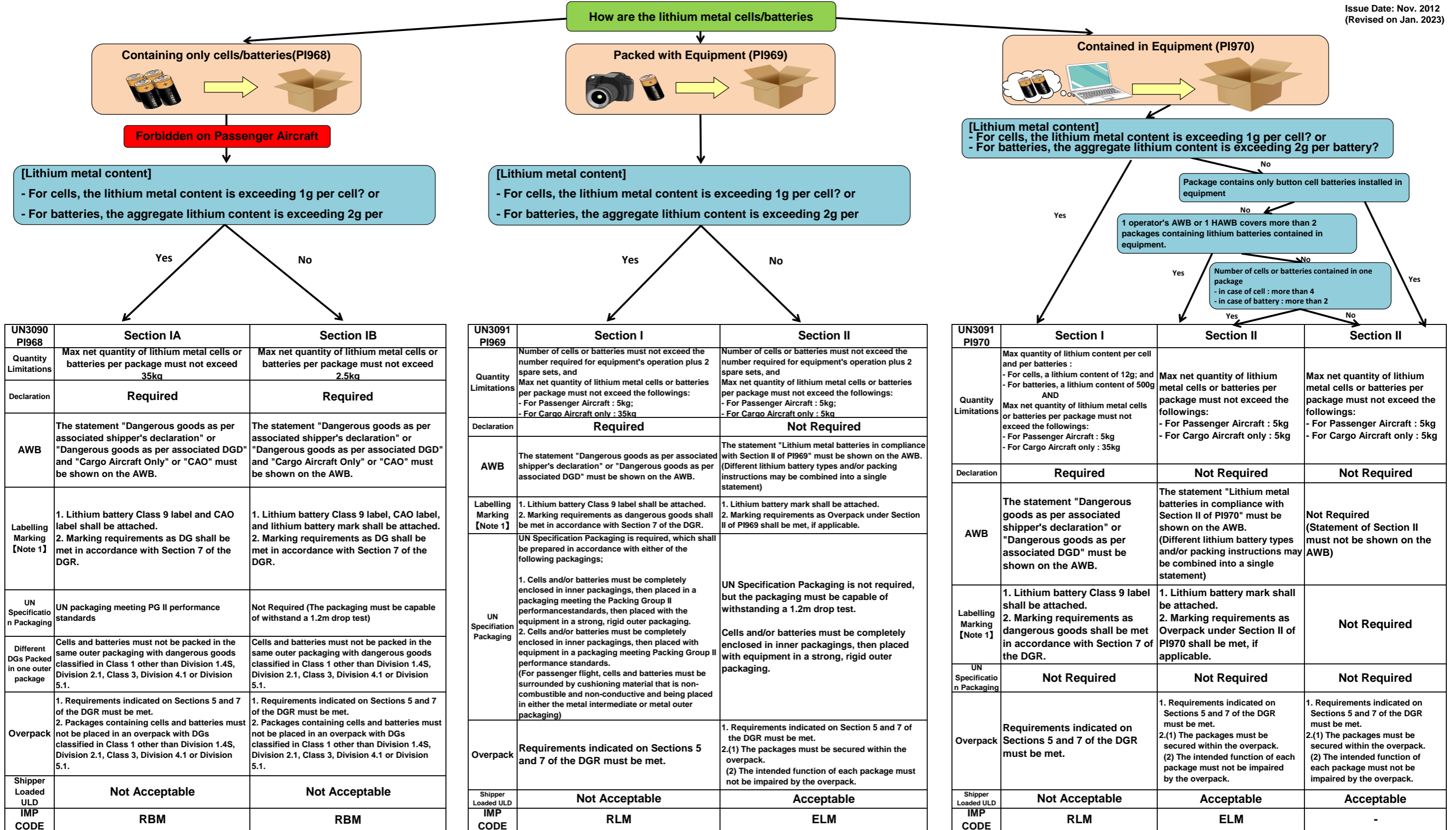
UN3481 PI966	Section I	Section II
Quantity Limitations	Number of cells or batteries must not exceed the number required for equipment's operation plus 2 spare sets, and Max net quantity of lithium ion cells or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg; - For Cargo Aircraft only : 35kg	Number of cells or batteries must not exceed the number required for equipment's operation plus 2 spare sets, 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
Declaration	Required	Not Required
AWB	The statement "Dangerous goods as per associated shipper's declaration" or "Dangerous goods as per associated 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. (Different lithium battery types and/or packing instructions may be combined into a single statement)
Labelling Marking [Note 1]	1. Lithium battery Class 9 label shall be attached. 2. Marking requirements as dangerous goods shall be met in accordance with Section 7 of the DGR.	1. Lithium battery mark shall be attached. 2. Marking requirements as Overpack under Section II of PI966 shall be met, if applicable.
UN Specification Packaging	UN Specification Packaging is required, which shall be prepared in accordance with either of the following packagings;  1. Cells and/or batteries must be completely enclosed in inner packagings, then placed in a packaging meeting the Packing Group II performance standards, then placed with the equipment in a strong, rigid outer packaging.  2. Cells and/or batteries must be completely enclosed in inner packagings, then placed with equipment in a packaging meeting Packing Group II performance standards.	UN Specification Packaging is not required, but the packaging must be capable of withstanding a 1.2m drop test.  Cells and/or batteries must be completely enclosed in inner packagings, then placed with equipment in a strong, rigid outer packaging.
Overpack	Requirements indicated on Sections 5 and 7 of the DGR must be met.	1. Requirements indicated on Section 5 and 7 of the DGR must be met. 2.(1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack.
Shipper Loaded ULD	Not Acceptable	Acceptable
IMP CODE	RLI	ELI

UN3481 PI967	Section I	Section II	Section II
Quantity Limitations	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	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	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
Declaration	Required	Not Required	Not Required
AWB	The statement "Dangerous goods as per associated shipper's declaration" or "Dangerous goods as per associated 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. (Different lithium battery types and/or packing instructions may be combined into a single statement)	Not Required (Statement of Section II must not be shown on the AWB)
Labelling Marking [Note 1]	1. Lithium battery Class 9 label shall be attached. 2. Marking requirements as dangerous goods shall be met in accordance with Section 7 of the DGR.	1. Lithium battery mark shall be attached. 2. Marking requirements as Overpack under Section II of PI967 shall be met, if applicable.	Not Required
UN Specification Packaging	Not Required	Not Required	Not Required
Overpack	Requirements indicated on Sections 5 and 7 of the DGR must be met.	1. Requirements indicated on Sections 5 and 7 of the DGR must be met. 2.(1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack.	1. Requirements indicated on Sections 5 and 7 of the DGR must be met. 2.(1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack.
Shipper Loaded ULD	Not Acceptable	Acceptable	Acceptable
IMP CODE	RLI	ELI	-

[Note1] Portable power chargers(power banks, mobile batteries etc.) and Smart Luggage have strong characteristics as "batteries." For this reason, JAL will classify these products as UN3480 Lithium ion batteries, PI965.

[Note2]Lithium battery class9 label, CAO label, and lithium battery mark must not be folded on different faces of the package.  
 [Note3]Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 must make available the test summary as specified in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.

# Lithium Metal or Lithium Alloy Cells and Batteries (UN 3090 and UN 3091)



[Note 1] Lithium battery Class 9 label, CAO label, and lithium battery mark must not be folded on different faces of the package.

[Note 2] Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 must make available the test summary as specified in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.