

Dear Valued Customers,

Dangerous Goods Handling in Japan Airlines from January 2022

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 63rd Edition with effect from 1st January 2022. In this letter, we would like to notify our customers of the changes related to lithium batteries in IATA DGR 63rd Edition, and points that our customers should be careful about when handling dangerous goods, although these are not the changes in dangerous goods regulations.

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

1. Regarding changes in regulations related to lithium batteries – Removal of Section II Provisions of Packing Instructions 965/968

Section II provisions of Packing Instructions 965/968 have been removed in the 63rd Edition of IATA DGR. From 2022, lithium ion batteries and lithium metal batteries will be prepared in accordance with the provisions of Section IA and IB only, but to provide shippers with time to adapt to new regulations, there is a 3-month transition period until 31 March 2022, during which time shippers may continue to use Section II provisions.

Please note that transportation of lithium ion batteries and lithium metal batteries to which Packing Instructions 965/968 apply, is prohibited on JAL flights.

2. Regarding transportation of kerosene heaters and kerosene fan heaters

Recently, there have been cases where NEW kerosene heaters and kerosene fan heaters are tendered to Japan Airlines as non-dangerous goods. We would like to note that most of the brand NEW kerosene heaters and fan heaters have already been fueled for the test operation before they are transferred to JAL. For this reason, we consider these items as dangerous goods, if we cannot confirm that the heaters have never been fueled during or after the manufacture, or that the cleaning process to the heaters have been completed.

Meanwhile, we will accept kerosene heaters and kerosene fan heaters as 'Not restricted' items, if the AWB is attached with a certificate stating that kerosene has never been fueled to these heaters, or the heaters have been flushed, purged of vapors, and adequate measures have been taken to nullify the hazard .

3. Handling of dangerous goods with holes or handles on the package

Regarding dangerous goods packages with holes or handles, although there has been no change in the handling of these packages, we would like to provide you with the summary of the guidance once again, whose original document was issued in December 2013.



Handle holes



Fabric handle

Acceptance Requirements

UN specification packagings	Cargo with holes (Handle holes, ventilation holes, intentionally opened holes, etc.)	Cannot be accepted
	Cargo with handles	Can be accepted if it can be confirmed from the test certificate that the package has passed the package test with the handles attached. You are requested to submit us the copy of test certificate.
Non-UN packagings	Cargo with holes (Handle holes, ventilation holes, intentionally opened holes, etc.)	Cannot be accepted
	Cargo with handles	Measures shall be taken from inside of the hole, used for preparing a handle, to close the hole. In addition, if the package is confirmed to have adequate strength that is required by DGR, (including passing the test with handles attached, when the test is required under DGR), then the package can be accepted. Documentary proof or verbal reply can be accepted.

Please prepare dangerous goods packages with holes and with handles according to above table.

4. Others

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

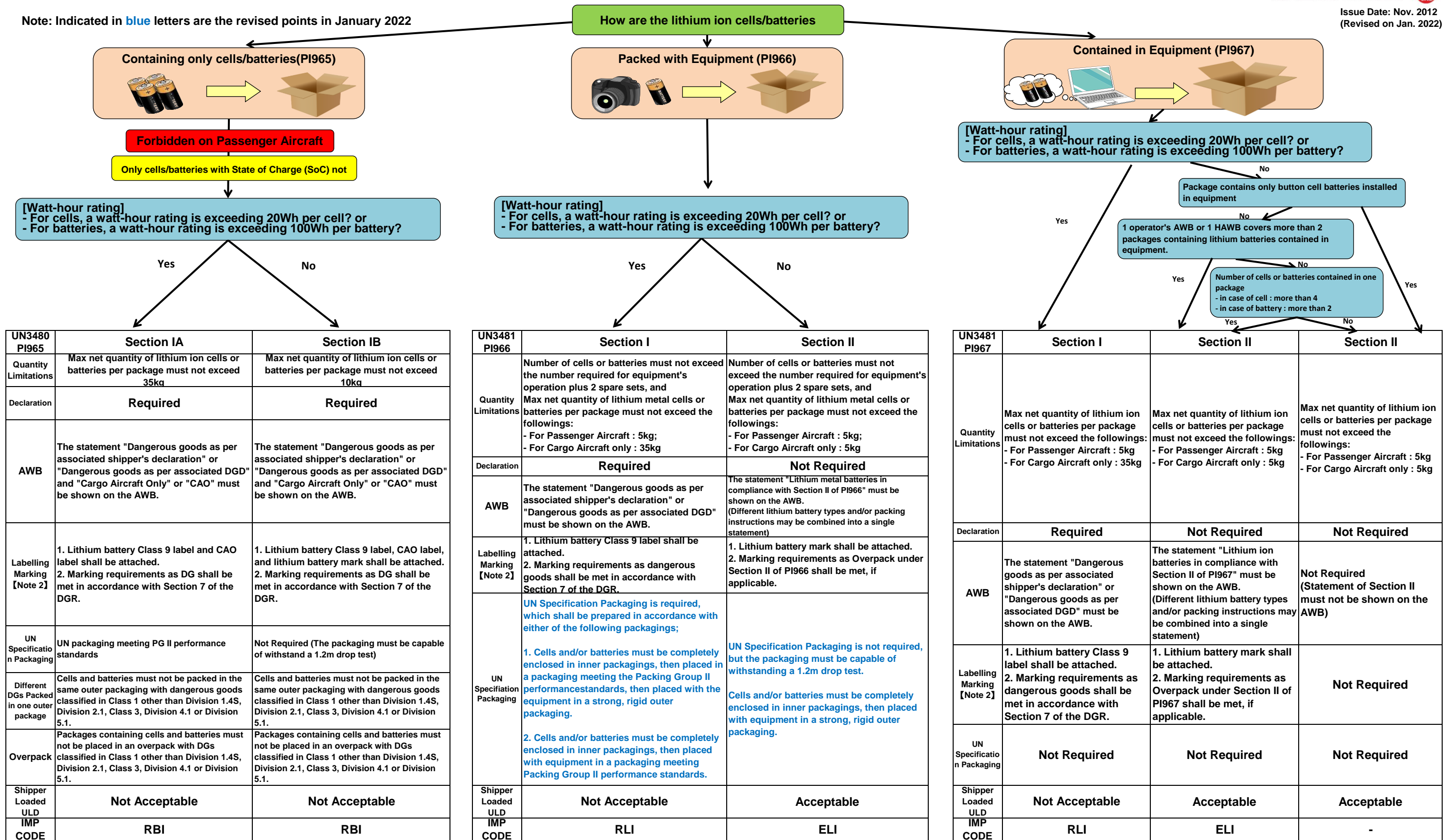
[Attachments]

- 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

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

Note: Indicated in **blue** letters are the revised points in January 2022



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 2]	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	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.
Shipper Loaded ULD IMP CODE	Not Acceptable RBI	Not Acceptable 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 metal 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 metal 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 metal 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 2]	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.
Shipper Loaded ULD IMP CODE	Not Acceptable RLI	Acceptable 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 2]	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
Shipper Loaded ULD IMP CODE	Not Acceptable RLI	Acceptable ELI	Acceptable -

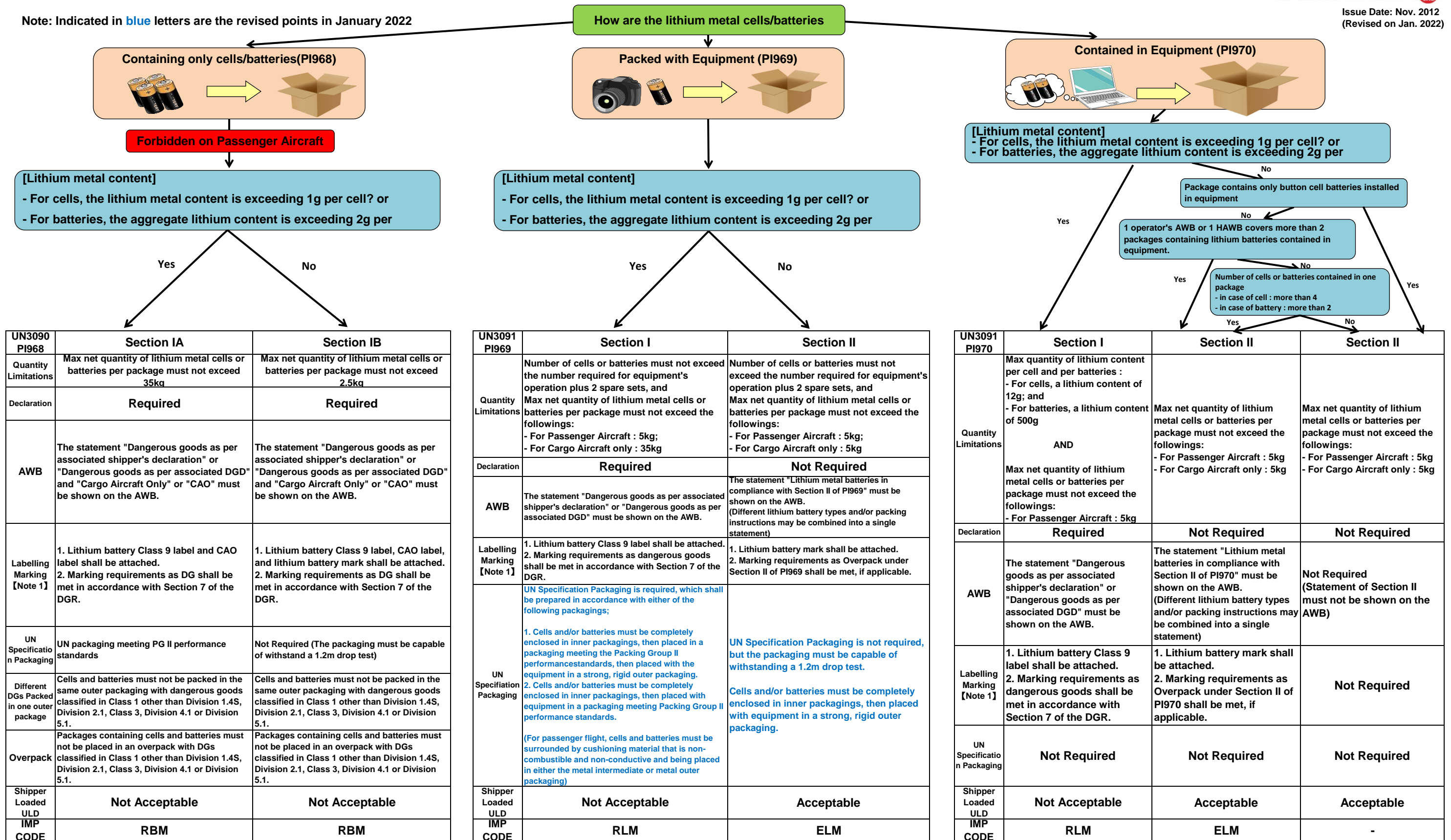
* The Section II provisions of Packing Instruction 965 as shown in the DGR 62nd edition (with effect from 01st January 2021) may continue to be used until 31st March 2022.

[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 class 9 label, CAO label, and lithium battery mark must not be folded on different faces of the package.
[Note3] 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: Indicated in blue letters are the revised points in January 2022



UN3090 PI968	Section IA	Section IB
Quantity Limitations	Max net quantity of lithium metal cells or batteries per package must not exceed 35kg	Max net quantity of lithium metal cells or batteries per package must not exceed 2.5kg
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	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.
Shipper Loaded ULD	Not Acceptable	Not Acceptable
IMP CODE	RBM	RBM

UN3091 PI969	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 metal 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 metal 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 metal batteries in compliance with Section II of PI969" 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 PI969 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. (For passenger flight, cells and batteries must be surrounded by cushioning material that is non-combustible and non-conductive and being placed in either the metal intermediate or metal outer packaging)	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.
Shipper Loaded ULD	Not Acceptable	Acceptable
IMP CODE	RLM	ELM

UN3091 PI970	Section I	Section II	Section II
Quantity Limitations	Max quantity of lithium content per cell and per batteries : - For cells, a lithium content of 12g; and - For batteries, a lithium content of 500g AND Max net quantity of lithium metal cells or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg	Max net quantity of lithium metal cells or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg - For Cargo Aircraft only : 5kg	Max net quantity of lithium metal 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 metal batteries in compliance with Section II of PI970" 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 PI970 shall be met, if applicable.	Not Required
UN Specification Packaging	Not Required	Not Required	Not Required
Shipper Loaded ULD	Not Acceptable	Acceptable	Acceptable
IMP CODE	RLM	ELM	-

* The Section II provisions of Packing Instruction 968 as shown in the DGR 62nd edition (with effect from 01st January 2021) may continue to be used until 31st March

[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] 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.