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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)

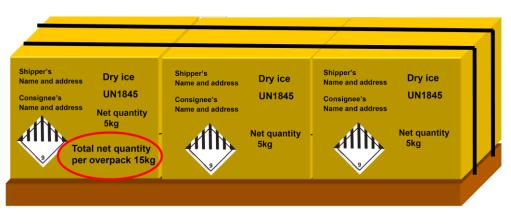
Marking requirements of dry ice in an overpack under the DGR64th edition



[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.)

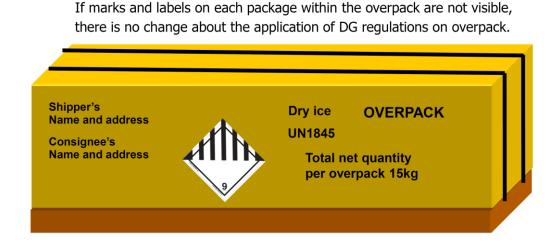
Marking requirements of dry ice in an overpack under the DGR65th edition





[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.



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

Contraction Contracti					5401)				34	Issue Date: Nov. 2012		
					How are the lithium io	n cells/batteries				(Revised on Jan. 2023)		
	Containing only cells/batteries(PI965)				Packed with Equip	ment (PI966)						
With thour rating is exceeding 20Wh per cell? or - Image and the period of the per								[Watt-hour rating] - For cells, a watt-hour rating is exceeding 20Wh per cell? or - For batteries, a watt-hour rating is exceeding 100Wh per battery?				
Ves No UNAS40 Section IA Section IA Section IB Piesd As not quantify of libition in oction Max not qquantin oction <td< td=""><td colspan="4">↓</td><td colspan="3">[Watt-hour rating] - For cells, a watt-hour rating is exceeding 20Wh per cell? or - For batteries, a watt-hour rating is exceeding 100Wh per battery?</td><td colspan="4">Yes No 1 operator's AWB or 1 HAWB covers more than 2 packages containing lithium batteries contained in</td></td<>	↓				[Watt-hour rating] - For cells, a watt-hour rating is exceeding 20Wh per cell? or - For batteries, a watt-hour rating is exceeding 100Wh per battery?			Yes No 1 operator's AWB or 1 HAWB covers more than 2 packages containing lithium batteries contained in				
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Labelling 1. Lithium battery Class 9 label and CAO 1. Lithium battery Class 9 label, CAO label, and ithium battery class 9 label, CAO label, and class 10 contract clab			AWB		d 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	Declaratio	n Required	•	Not Required			
UN Specification in Packaging 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) but the packaging must be capable of withstanding a 1.2m drop test. but the packaging must be capable of withstand a 1.2m drop test. Labelling Marking Labelling Not Requirements indicated on Sections 5 and 7 of the DGR must be met. Not Requirements indicated on standards Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Required for the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR must be met. Not Requirements indicated on sections 5 and 7 of the DGR Not sections 5 and 7 of the DGR 0 vorepack In Requirements in	abel shall be at 2. Marking requ net in accordan	attached. uirements as DG shall be	and lithium battery mark shall be attached. 2. Marking requirements as DG shall be met in accordance with Section 7 of the	Markin	g 2. Marking requirements as dangerous goods shall be met in accordance with Section 7 of the DGR. UN Specification Packaging is required, which shall be prepared in accordance with	1. Lithium battery mark shall be attached. 2. Marking requirements as Overpack under Section II of PI966 shall be met, if applicable.	AWB	goods as per associated shipper's declaration" or "Dangerous goods as per associated DGD" must be	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	Not Required (Statement of Section II must not be shown on the AWB)		
DGs Packed in one outer package Classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1. Classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1. Classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1 or Division 5.1. Not Required Not Required 0 verpack 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 2.4 Class 3 other than Division 1.4S, Division 3.4 Class 3 other than Division 1.4S, Division 3	tandards Cells and batterie	ies must not be packed in the	of withstand a 1.2m drop test) Cells and batteries must not be packed in the	Specifiation	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	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	Marking	label shall be attached. 2. Marking requirements as dangerous goods shall be met in accordance with	be attached. 2. Marking requirements as Overpack under Section II of PI967 shall be met, if	Not Required		
1. 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. 1. 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. 1. 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. 1. Requirements indicated on Sections 5 and 7 of the DGR	lassified in Class	ss 1 other than Division 1.4S,	classified in Class 1 other than Division 1.4S,		2. Cells and/or batteries must be completely		Specificati	on Not Required		Not Required		
and 7 of the DGR must be met. overpack. (2) The intended function of each package 5.1. 5.1. Shipper and 7 of the DGR must be met. overpack. by the overpack. by the overpack.	of the DGR must I 2. Packages contra not be placed in a classified in Class Division 2.1, Class 5.1.	t be met. ntaining cells and batteries must an overpack with DGs ss 1 other than Division 1.4S, lss 3, Division 4.1 or Division	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.	Overpa	with equipment in a packaging meeting Packing Group II performance standards.	the DGR must be met. 2.(1) The packages must be secured within the overpack. (2) The intended function of each package		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	 Requirements indicated on Sections 5 and 7 of the DGR must be met. (1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack. 		
Loaded Not Acceptable Not Acceptable Not Acceptable Shipper Loaded ULD Not Acceptable Acceptable Acceptable Acceptable Acceptable	No	ot Acceptable	Not Acceptable	Loaded U		Acceptable	Loaded UL	Not Acceptable	Acceptable	Acceptable		
IMP CODERBIIMP CODERLIIMP ELIRLIIMP CODERLIELI		RBI	RBI		RII	ELI		RLI	ELI	-		

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

[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) JALCARGO											
Containing only cells/batteries(PI968)				Packed with Equip	Contained in Equipment (PI970)						
Forbidden on Passenger Aircraft					[Lithium metal content] - For cells, the lithium metal content is exceeding 1g per cell? or - For batteries, the aggregate lithium content is exceeding 2g per battery?						
[Lithiu	im metal content]		[Lithium metal content]				Package contains only button cell batteries installed in				
- For c	cells, the lithium metal content is e	xceeding 1g per cell? or	- Fo	r cells, the lithium metal content is e	exceeding 1g per cell? or	equipment					
- For batteries, the aggregate lithium content is exceeding 2g per				r batteries, the aggregate lithium co Yes	ntent is exceeding 2g per	Yes No 1 operator's AWB or 1 HAWB covers more than 2 packages containing lithium batteries contained in equipment.					
						Yes Ves Ves 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					
UN3090 PI968	Section IA	Section IB	UN3091 PI969	Section I	Section II	UN30 PI97	Section I	Section II	Section II		
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	Quantity	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	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	P197	Max quantity of lithium content per cell and per batteries : - For cells, a lithium content of 12g; and	Max not quantity of lithium	Max net quantity of lithium		
Declaration	Required	Required	Declaration	per package must not exceed the followings: - For Passenger Aircraft : 5kg; - For Cargo Aircraft only : 35kg	per package must not exceed the followings: - For Passenger Aircraft : 5kg; - For Cargo Aircraft only : 5kg	Quant Limitati	Max net quantity of litnium metal cells foll or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg - For	metal cells or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg - For Cargo Aircraft only : 5kg	metal cells or batteries per package must not exceed the followings: - For Passenger Aircraft : 5kg - For Cargo Aircraft only : 5kg		
assoc AWB "Dang and "	The statement "Dangerous goods as per associated shipper's declaration" or	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.			Not Required						
	"Dangerous goods as per associated DGD" and "Cargo Aircraft Only" or "CAO" must be shown on the AWB.				instructions may be combined into a single	Declara	on Required	Not Required	Not Required		
Marking [Note 1]	 Lithium battery Class 9 label and CAO label shall be attached. Marking requirements as DG shall be met in accordance with Section 7 of the DGR. 	 Lithium battery Class 9 label, CAO label, and lithium battery mark shall be attached. Marking requirements as DG shall be met in accordance with Section 7 of the DGR. 		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. UN Specification Packaging is required, which shall be prepared in accordance with either of the following packagings;	statement) 1. Lithium battery mark shall be attached. 2. Marking requirements as Overpack under Section II of PI969 shall be met, if applicable.	AW	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)		
UN Specificatio n Packaging Different	UN packaging meeting PG II performance standards Cells and batteries must not be packed in the	Not Required (The packaging must be capable of withstand a 1.2m drop test) Cells and batteries must not be packed in the	UN Specifiation Packaging	 Cells and/or batteries must be completely enclosed in inner packagings, then placed in a packaging meeting the Packing Group II performancestandards, then placed with the equipment in a strong, rigid outer packaging. 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- 	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.	Labellin Marking [Note 1] UN Specificat n Packagi	^g 2. Marking requirements as	 Lithium battery mark shall be attached. Marking requirements as Overpack under Section II of 	Not Required		
DGs Packed in one outer package	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.	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.						applicable. Not Required	Not Required		
	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.	Overback	combustible and non-conductive and being placed in either the metal intermediate or metal outer packaging) Requirements indicated on Sections 5	 Requirements indicated on Section 5 and 7 of the DGR must be met. (1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack. 		Requirements indicated on ck Sections 5 and 7 of the DGR must be met.	 Requirements indicated on Sections 5 and 7 of the DGR must be met. (1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack. 	 Requirements indicated on Sections 5 and 7 of the DGR must be met. (1) The packages must be secured within the overpack. (2) The intended function of each package must not be impaired by the overpack. 		
Loaded ULD	Not Acceptable	Not Acceptable	Shipper Loaded ULD	Not Acceptable	Acceptable	Shippe Loaded	Not Acceptable	Acceptable	Acceptable		
IMP CODE	RBM	RBM	IMP CODE	RLM	ELM	IMP COD	RIM	ELM	-		
JUDE		1		Lithium hattany Class 0 lahal CAO lahal a	nd lithium battery mark must not be folded o			-			

[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.