

Changes to Lithium metal or Lithium alloy Cells and Batteries/UN3090 (Summary)

Packing Instruction 968				
Categories of package		Class9 Dangerous Goods		Excepted cells or Batteries
		Section I A	Section I B	Section II
Cells or Batteries	UN test	Cells and batteries must pass the 38.3 test in UN Manual part III		
	Types	1) Cells with a lithium content more than 1g 2) Batteries with a lithium content more than 2g 3) Cells or batteries exceed the limitation of Section IB	1) Cells with a lithium content not more than 1g 2) Batteries with a lithium content not more than 2g	1) Cells or batteries with a lithium content not more than 0.3g 2) Cells with a lithium content not more than 1g 3) Batteries with a lithium content not more than 2g
Package Requirement (Per package)	Maximum number of cells or batteries	Not Applicable		Re each above 1),2),3) 1) No limit 2) 8 cells 3) 2 batteries Note: Items specified in 1),2) and 3) above must not be combined in the same package.
	Maximum Net Quantity (Mass) of cells or batteries	PAX aircraft: 5kg CAO aircraft: 35kg	Gross weight of the package must not exceed 2.5kgG	Re each above 1),2),3) 1) 2.5kg 2) Not Applicable 3) Not Applicable

To be continued

	Packaging specifications	UN specification packagings meeting PG II performance standard must be used. However, lithium ion batteries with a mass of 12kg or greater and having a strong, impact-resistant outer casing, or assemblies of such batteries, may be transported when packed in strong outer packagings under the approval of the State of origin. A copy of approval must accompany.	The packaging must be tested for 1.2m drop test. UN specification packaging is not required.	
	Label	Class9 Hazard Label "Cargo Aircraft Only" Label *	Class9 Hazard Label + Lithium Battery Handling Label	Lithium battery Handling Label
Categories of package		Class9 Dangerous Goods		Excepted cells or Batteries
		Section I A	Section I B	Section II
Document requirement	Shipper's declaration for DG (DGD)	Required	Not required	
	AWB Indication	"Dangerous Goods as per attached Shipper's Declaration" and "Cargo Aircraft Only" *	<ul style="list-style-type: none"> The name and address of the shipper and consignee UN3090 Lithium metal batteries PI968 I B The number of package and gross mass of each package 	"Lithium metal batteries in compliance with Section II of PI968"
	Other Document	Not Applicable	<ul style="list-style-type: none"> The package contains Lithium metal cells or batteries The package must be handled with care and that a flammability hazard exists if the package is damaged Special procedure must be followed in the event the package is damaged, to include inspection and repacking if necessary A telephone number for additional information 	
Handling etc.	DG training	Required for handling staff including shippers		Necessary instruction must be given to the handling personnel
	Shipper Built ULD	Must not be included in BUP		Can be included in BUP
	All other requirement in DGR	Must be applied		Not applicable (Must meet requirement in PI968 and applicable Special Provisions must be observed)
	☆ operator's Responsibility Acceptance Check ☆	A full acceptance check using standard check list is required	Required (A dedicated simple checklist for Section I B like for Dry Ice developed by IATA will be used)	Not required
	NOTOC ☆	Required		Not required

* In case where requirements for passenger aircraft are not met.

Changes to Lithium metal or Lithium alloy cells and batteries **packed with equipment** / UN3091 (Summary)

Section I

Table 969- I

UN number	Net quantity per package Passenger aircraft	Net quantity per package Cargo Aircraft Only
UN3091, Lithium metal batteries packed with equipment	5kg	35kg

Section II

- AWB requirement will be modified as;
The words "Lithium metal batteries in compliance with Section II of PI969" must be shown on the AWB.
- The limitation of Section II batteries will be added as follows;

Table 969- II

	Passenger aircraft	Cargo Aircraft Only
Net quantity of Lithium metal cells or batteries per package	5kg	5kg

Changes to Lithium metal or Lithium alloy cells and batteries **contained in equipment** / UN3091 (Summary)

Section I

Table 970- I

UN number	Net quantity per package Passenger aircraft	Net quantity per package Cargo Aircraft Only
UN3091, Lithium metal batteries contained in equipment	5kg	35kg

Section II

- AWB requirement will be modified as;
The words "Lithium metal batteries in compliance with Section II of PI970" must be shown on the AWB.
- The limitation of Section II batteries will be added as follows;

Table 970- II

	Passenger aircraft	Cargo Aircraft Only
Net quantity of Lithium metal cells or batteries per package	5kg	5kg

◇ Others

In General Requirements of PI968, PI969 and PI970 it will be specified that cells and batteries must be manufactured under a quality management program and that cells and batteries manufactured before 1 January 2014 conforming to a design type tested according to the requirements of the fifth edition of UN Manual of tests and Criteria may continue to be transported.

Note: Please understand that ANA is not a position to take any responsibility of the contents above, so also cross-refer the IATA Dangerous Goods 54th edition.