

Airport Security Checks and Air Transportation Regulations concerning the CYPRES “power supply”

Information´s about the CYPRES battery referring to the new IATA Dangerous Goods Regulations (DGR) and 2020 Lithium Battery Guidance Document:

The CYPRES lithium-cell/battery:

- contain less than 0,99 g lithium
- the battery is entirely build into the CYPRES device
- the CYPRES device is not capable to switch itself on
- the battery capacity is less than 100 Wh

If transporting small consignments of one or two packages containing no more than four cells or two batteries installed in equipment (there is only one (1) battery installed in one CYPRES) per package to move without the lithium battery mark and therefore without the compliance statement on the air waybill.

We have asked virtually all important aviation authorities to investigate the CYPRES.

Their result is, the CYPRES 'cutter' (ESKV 11) is no subject of any transport restriction.

Also the CYPRES 'lithium-cell' batteries are NON restricted for transport / Non-assigned to Class 9 according to the UN Recommendations on the transport of dangerous goods.

You find the FAA certifications and publications forms on our website:

- LBA, Germany
- U.S. Department of Transportation, USA
- U.S. Transportation, Security, Administration, USA
- Civil Aviation Authority, United Kingdom
- Civil Aviation Safety Authority, Australia
- Civil Aviation Authority, New Zealand
- Direction générale de l'aviation civile, France

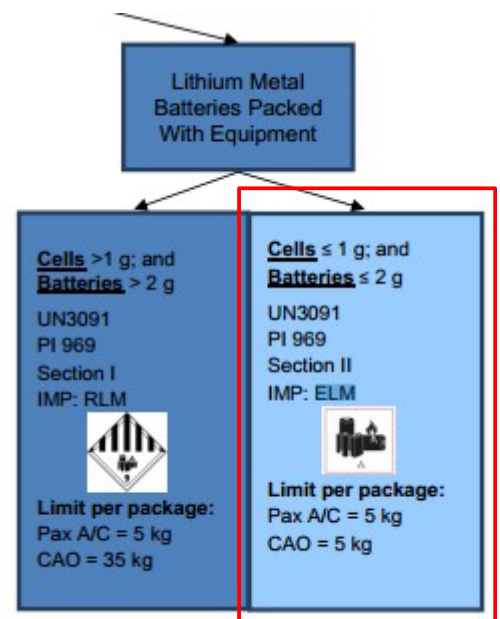
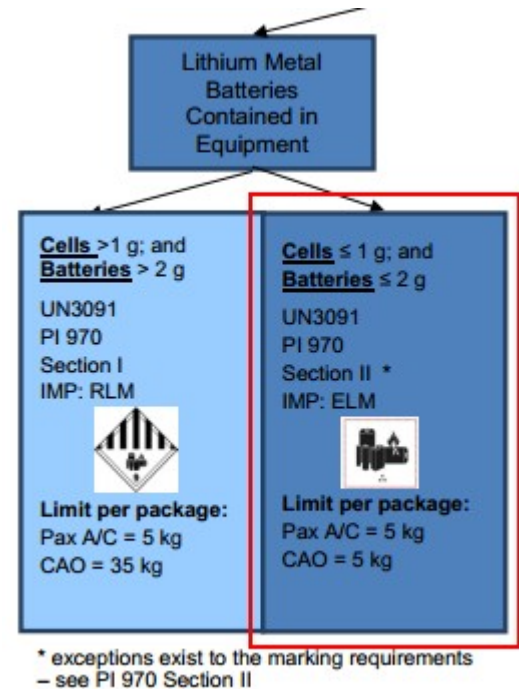
under following link:

<https://www.cypres.aero/documents/travel-documents/>

or on the last pages of the CYPRES 2 user's guide.

If you run into trouble during your check-in, please be confident and tell the security officer about the above mentioned information and also show him your current x-ray card which you find on the last page of your user guide, or on www.cypres.aero

If you need any assistance please call us at Airtec, phone +49-2953-9899-0



Transport of Lithium Metal and Lithium Ion Batteries Revised for the 2020 Regulations
IATA Lithium Battery Guidance Document – 2020

G. Section II in Packing Instructions 967 and 970 states that “the lithium battery mark is not required on consignments of two packages or less where each package contains no more than four cells, or two batteries installed in equipment.” What is the intent of this provision?

This provision is to require, where there are more than two packages in the consignment, that each package bears the lithium battery mark, and therefore the air waybill has the compliance statement e.g. “Lithium [ion or metal] batteries in compliance with Section II of PI 9xx [67 or 70]”.

The provision continues to allow for small consignments of one or two packages containing no more than four cells or two batteries installed in equipment per package to move without the lithium battery mark and therefore without the compliance statement on the air waybill.

M. Does the IATA DGR require a MSDS or SDS containing the UN test data?

No. The IATA DGR does not require a safety data sheet (SDS) when offering lithium batteries for transport

CYPRES BATTERIES

Instructions for shipping CYPRES units including lithium battery cells:

Sticker (see below) to put on the outside of the box if a minimum of 2 batteries or 2 cells are in the package.

Equipment which contains lithium metal cells should not contain more than 1 g of lithium or lithium metal batteries should not contain more than 2 g of lithium.

The maximum amount on lithium batteries per package should not exceed 5 kg

The battery is entirely build into the CYPRES unit device and due to many safety features it is not possible that the device will accidentally switch itself on.

ELM - Excepted Lithium Metal - Cargo IMP-Code for "small" Lithium-Metall-Batteries according to part II of the respective packing instruction.

UN3091 PI 970 Section II	
Per Cell: ≤ 1g lithium Per Battery: ≤ 2g lithium PAX Limit: 5kg/pkg CAO Limit: 5kg/pkg Limit excludes weight of equipment	
<ul style="list-style-type: none"> • No DGD • Declaration on AWB • If more than 4 cells / 2 batteries or more than 2 packages containing no more than 4 cells / 2 batteries in the consignment: <ul style="list-style-type: none"> - Lithium battery mark required • Special packaging requirements apply • IMP: ELM 	

<https://www.lithium-batterie-service.de/de/passagiere-im-luftverkehr/>

Übersicht Lithiumbatterien im Passagiergepäck

Lfd. Nr.	Beschreibung der Geräte / Batterien	Anforderungen / Bedingungen	Fundstelle IATA-DGR	Handgepäck	Aufgegebenes Gepäck	Genehmig. des Luftfahrtunternehmens erforderl.?
1	Tragbare elektronische Geräte (einschließlich Medizinprodukte) wie Uhren, Taschenrechner, Kameras, Mobiltelefone, Laptops etc. zum persönlichen Gebrauch	a) Lithium-Metall-Batterien mit maximal 2 g Lithiumgehalt b) Lithium-Ionen-Batterien mit maximal 100 Wattstunden (Wh)	2.3.5.9	✓	✓	NEIN

https://lufthansa-cargo.com/documents/20184/34637/Tabelle_DE_02.pdf/35a98ad4-9b94-4d60-b598-23062553c0a6

Sendungen mit freigestellten Lithiumbatterien.

UN-Nummer	PI	Teil	Beschreibung	Passagierflugzeuge	Frachtflugzeuge	Special Handling Code
3480	965	II	Freigestellte Lithium-Ionen-Batterien	x	x	--
3481	966	II	Freigestellte Lithium-Ionen-Batterien mit Ausrüstungen verpackt	✓	✓	ELI
	967		Freigestellte Lithium-Ionen-Batterien in Ausrüstungen	✓	✓	
3090	968	II	Freigestellte Lithium-Metall-Batterien	x	x	--
3091	969	II	Freigestellte Lithium-Metall-Batterien mit Ausrüstungen verpackt	✓	✓	ELM
	970		Freigestellte Lithium-Metall-Batterien in Ausrüstungen	✓	✓	

- x keine Annahme für Transport in Passagier- oder Frachtflugzeugen des Lufthansa Konzerns; vollständiges Verbot.
- ✓ Annahme für Transport in Passagier- und Frachtflugzeugen des Lufthansa Konzerns.

https://www.tnt.com/content/dam/tnt_express_media/de_de/download_documents/Downloads/Freigestellte_Lithiumbatterien_per_Luftfracht.pdf

Grundsätzliche Freistellungskriterien für Lithiumbatterien & -zellen		Lithium-Ionen-Batterien	Lithium-Metall-Batterien
		Maximale Nennenergieleistung	Maximaler Lithiumanteil
	Zellen	20 Wattstunden (Wh)	1 Gramm
	Batterien	100 Wattstunden(Wh)	2 Gramm

<http://www.bipowerusa.com/documents/Packing-Instruction-965-970-2017-18.pdf>

I.1 General requirements

Equipment must be packed in strong rigid outer packagings that conform to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1).

<i>UN number and proper shipping name</i>	<i>Package quantity (Section I)</i>	
	<i>Passenger</i>	<i>Cargo</i>
UN 3091 Lithium metal batteries contained in equipment	5 kg of lithium metal cells or batteries	35 kg of lithium metal cells or batteries

I.2 Additional requirements

- The equipment must be secured against movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.
- The equipment must be packed in strong outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the battery is afforded equivalent protection by the equipment in which it is contained.
- The quantity of lithium metal contained in any piece of equipment must not exceed 12 g per cell and 500 g per battery.