LITHIUM BATTERIES GUIDANCE

IN ACCORDANCE WITH THE

IATA DANGEROUS GOODS REGULATIONS 58TH EDITION 2017

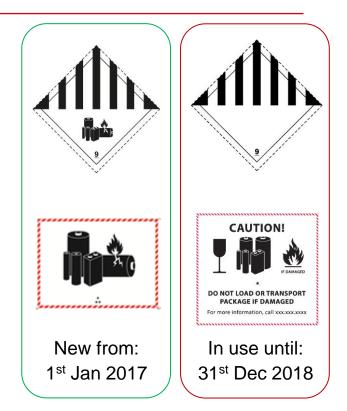
Next

DHL Express – Global Restricted Commodities Group – January 2017



A new hazard label comes into effect as of 1 January 2017 with a 2year transitional period during which time either the existing Class 9 Miscellaneous Dangerous Goods hazard label or the new Class 9 Lithium Battery hazard label may be applied to packages containing lithium batteries prepared in accordance with Section I, IA or IB of the lithium battery packing instructions.

A new mark comes into effect as of 1 January 2017 with a 2-year transitional period during which time either the lithium battery mark or the lithium battery handling label may be applied to packages containing lithium batteries prepared in accordance with Section IB or Section II of the lithium battery packing instructions.





As of 1 January 2017, a transport document is no longer required.





2017 Lithium Batteries Regulations

Defective / Damaged Batteries:

DHL will **NOT** accept any shipments with lithium batteries (ion or metal) that are **<u>confirmed or suspected</u>** to be defective* and/or damaged (*regardless of how the condition is and in whichever quantities*).

DHL will **<u>NOT</u>** accept any batteries that have been recalled by the battery supplier/manufacturer nor any waste batteries meant for recycling or disposal purposes (regardless of condition).

\rightarrow *A defective battery may not exhibit any damage at all!

Any equipment packed with or containing lithium batteries (in particular equipment returned for repair purposes as part of reverse logistics/service parts program) exhibiting above mentioned condition, must have the **<u>batteries removed</u>** from the equipment in order to be accepted for carriage with DHL.

Important Disclaimer:

Please note that the information contained in this Guide is purely illustrative and does not replace the study of the Dangerous Goods Regulations to perform any tasks related to the preparation of shipments containing Lithium Batteries.

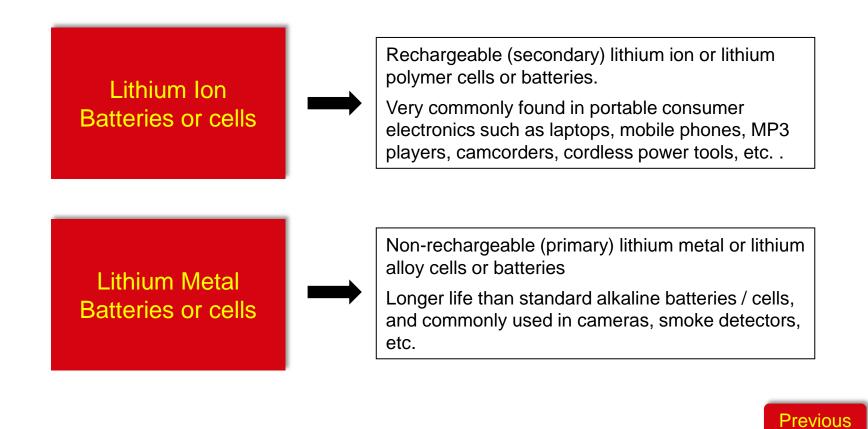
DHL will not be held responsible for any inaccuracy, error or omission, regardless of cause.





2017 Lithium Batteries Regulations: Battery Types

Step 1 – What type of battery are you shipping?





January 2017



Step 2 – How are you shipping them?



Batteries / cells packed with equipment (separately in the same package)

Batteries / cells contained in equipment











Step 2 – How are you shipping them?

Batteries / cells only

Batteries / cells packed with equipment (separately in the same package)

Batteries / cells contained in equipment





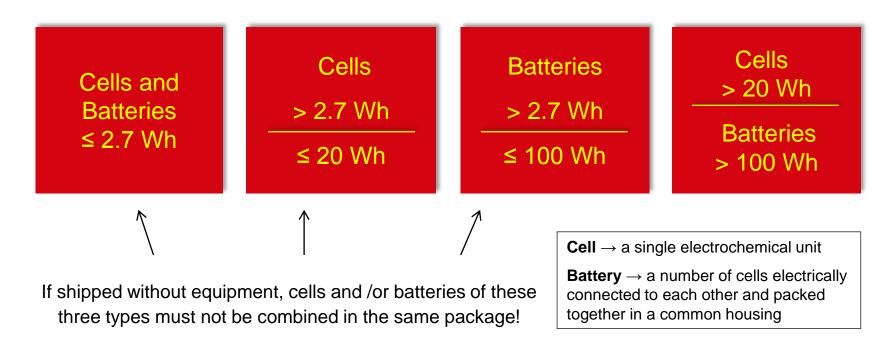




January 2017



Step 3 – What is the capacity (Watt Hour* rating) of your battery?

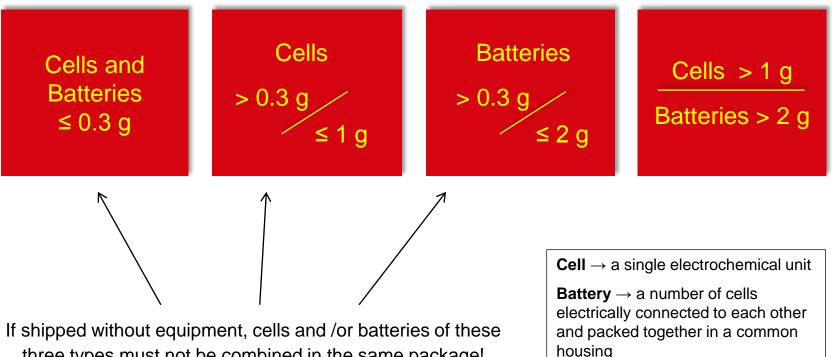


*The Watt Hours must be indicated on the outside of the battery, for batteries manufactured as of January 2009. Laptops, mobile phones and other small consumer electronics usually have batteries with less than 100 Watt Hours (except for perhaps some extra duration batteries). Use the formula **Ampere Hours x Voltage** in case the Watt Hour rating is not marked on the battery.





Step 3 – How much lithium does your battery / cell contain?

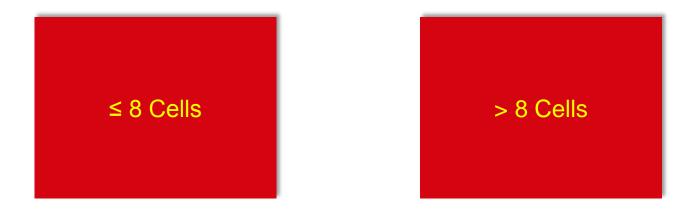


three types must not be combined in the same package!

January 2017



Step 4 – How many cells does your package contain in total?

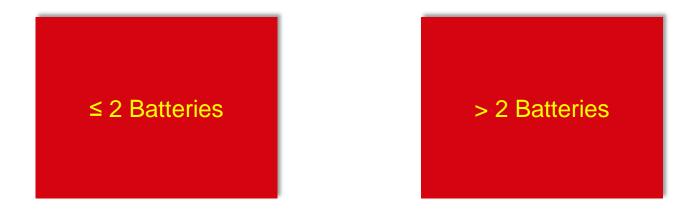


Please note:





Step 4 – How many batteries does your package contain in total?

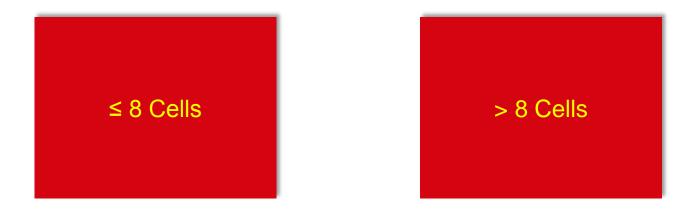


Please note:





Step 4 – How many cells does your package contain in total?

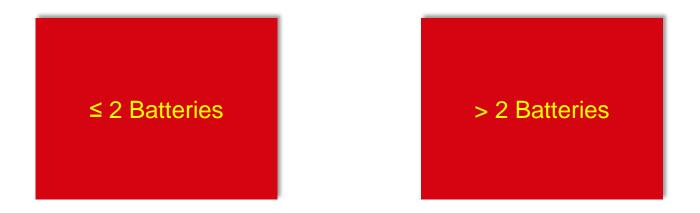


Please note:





Step 4 – How many batteries does your package contain in total?



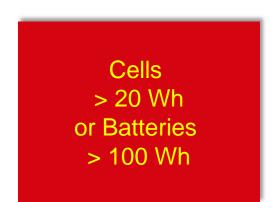
Please note:





Step 3 – What is the capacity (Watt Hour* rating) of your battery?





*The Watt Hours must be indicated on the outside of the battery, for batteries manufactured as of January 2009. Laptops, mobile phones and other small consumer electronics have batteries with less than 100 Watt Hours (except perhaps some extra duration batteries). Use the formula **Ampere Hours x Voltage** in case the Watt Hour rating is not marked on the battery).

$\rightarrow \text{Cell}$

a single encased electrochemical unit

\rightarrow Battery

a number of cells electrically connected to each other and packed together in a common housing





Step 3 – What is the capacity (Watt Hour* rating) of your battery?





*The Watt Hours must be indicated on the outside of the battery, for batteries manufactured as of January 2009. Laptops, mobile phones and other small consumer electronics have batteries with less than 100 Watt Hours (except perhaps some extra duration batteries). Use the formula **Ampere Hours x Voltage** in case the Watt Hour rating is not marked on the battery).

$\rightarrow \text{Cell}$

a single encased electrochemical unit

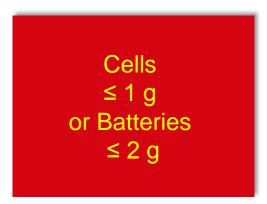
\rightarrow Battery

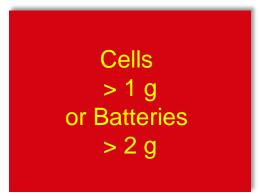
a number of cells electrically connected to each other and packed together in a common housing





Step 3 – How much lithium does your battery / cell contain?

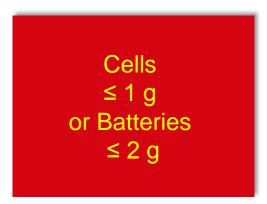


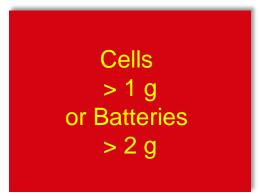






Step 3 – How much lithium does your battery / cell contain?

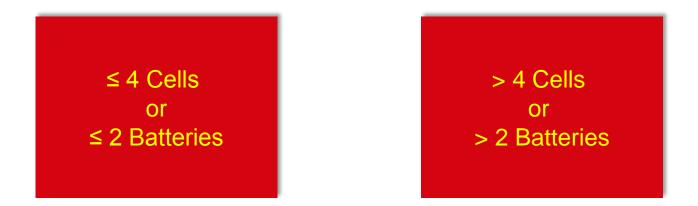








Step 4 – How many cells or batteries does your package contain in total?



Please note:





Step 4 – How many packages are in the consignement?



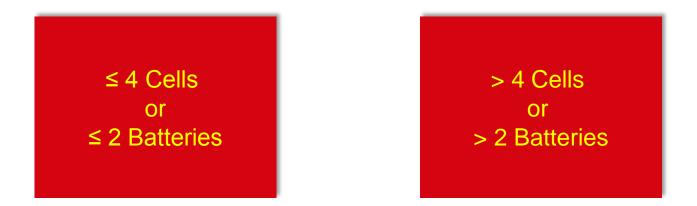




January 2017



Step 4 – How many cells or batteries does your package contain in total?



Please note:





Step 4 – How many packages are in the consignement?







January 2017



UN3480, Lithium Ion Batteries / Cells - PI965 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. State of Charge (SoC) of the battery or cell must not exceed 30%.

Maximum 2.5 kg net quantity per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

- □ "Lithium ion batteries in compliance with Section II of PI965"
- □ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Separate account approved required. The service is limited due to CAO restrictions.

ACS - Select "LB" and mention "CAO" in the restricted commodity type







Labeling / Marking:





UN3480, Lithium Ion Batteries / Cells – PI965 Section IA

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. State of Charge (SoC) of the battery or cell must not exceed 30%.

Maximum 35 kg net quantity per package. Cargo Aircraft Only (CAO)

Package test: Packing Group II performance standards. UN specification packaging is required.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

□ "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO"

<u>DHL Services:</u> (**TDI** = Time Definite International , **ACS** = Air Capacity Sales)

TDI – Account must be approved. Lithium ion batteries/cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.

ACS - Select "DG" and mention "CAO" in the restricted commodity type.









UN3480, Lithium Ion Batteries / Cells - PI965 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. State of Charge (SoC) of the battery or cell must not exceed 30%.

Maximum 8 cells per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

- □ "Lithium ion batteries in compliance with Section II of PI965"
- □ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Separate account approved required. The service is limited due to CAO restrictions.

ACS - Select "LB" and mention "CAO" in the restricted commodity type.







Labeling / Marking:





UN3480, Lithium Ion Batteries / Cells - PI965 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. State of Charge (SoC) of the battery or cell must not exceed 30%.

Maximum 2 batteries per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

□ "Lithium ion batteries in compliance with Section II of PI965"

□ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Separate account approved required. The service is limited due to CAO restrictions.

ACS - Select "LB" and mention "CAO" in the restricted commodity type.







Labeling / Marking:



UN3480, Lithium Ion Batteries / Cells – PI965 Section IB

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

State of Charge (SoC) of the battery or cell must not exceed 30%.

Maximum 10 kg net quantity per package. Cargo Aircraft Only (CAO)

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

□ "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

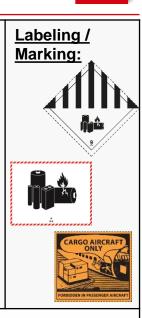
□ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Account must be approved. The service is limited due to CAO restrictions

ACS - Select "DG" and mention "CAO" in the restricted commodity type









Packaging: Labeling / Marking: Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. The equipment must be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation. Maximum number of batteries /cells per package = those necessary to power the equipment plus 2 spares. Maximum net quantity of lithium batteries or cells per package is 5 kg per package for either "Passenger and Cargo Aircraft" or "Cargo Aircraft Only "shipments. Package test: 1.2 m drop test. **Documentation:** Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill: □ "Lithium ion batteries in compliance with Section II of PI966" **DHL Services:** (**TDI** = Time Definite International , **ACS** = Air Capacity Sales) **TDI** – Account must be approved. ACS - Select "LB" and mention "Section II" in the restricted commodity type.







Labeling / Marking:

When CAO used:

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. The equipment must be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

Maximum number of batteries /cells per package = those necessary to power the equipment plus 2 spares.

Maximum net quantity of lithium batteries or cells per package is **5 kg** for **"Passenger and Cargo Aircraft**" (PAX) and **35 kg** for **"Cargo Aircraft Only**" (CAO) shipments.

Package test: Packing Group II performance standards. UN specification packaging is required.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

□ "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO" (only when CAO was chosen)

<u>DHL Services:</u> (**TDI** = Time Definite International , **ACS** = Air Capacity Sales)

TDI – Account must be approved. Lithium ion batteries / cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.

ACS - Select"DG" and mention "PAX" or "CAO" as applicable, in the restricted commodity type.





UN3481, Lithium Ion Batteries / Cells - PI967 Section II

Packaging:The equipment must be packed in strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained.Maximum 5 kg net qty of Lithium-Ion cells/ batteries per package (excl. of equipment).Maximum 2 packages per shipment (consignment).	Labeling / Marking: No requirements.
Package test: No requirements. Documentation: No requirements	
DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)	
TDI – No requirements.	
ACS – No requirements.	



January 2017

UN3481, Lithium Ion Batteries / Cells - PI967 Section II

Packaging: Labeling / Marking: Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. Devices with batteries must be placed in an outer packaging of suitable construction and strength so as to provide adequate protection, unless the battery is afforded equivalent protection by the equipment in which it is contained. Maximum net quantity of lithium batteries or cells per package is **5 kg** per package (excluding of equiment) for either "Passenger and Cargo Aircraft" or "Cargo Aircraft Only "shipments. **Package test:** Strong rigid outer packaging equivalent to its capacity and intended use. **Documentation:** Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill: □ "Lithium ion batteries in compliance with Section II of PI967" **DHL Services: (TDI** = Time Definite International, **ACS** = Air Capacity Sales) **TDI** – Account must be approved. **ACS** - Select "LB" and mention "Section II" in the restricted commodity type.





Labeling / Marking:

When CAO used:

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. Devices with batteries must be placed in outer packaging of suitable construction and strength so as to provide adequate protection, unless the battery is afforded equivalent protection by the equipment in which it is contained

Maximum net quantity of lithium batteries or cells per package (excluding of equiment) is **5 kg** for "**Passenger and Cargo Aircraft**" (PAX) and **35 kg** for "**Cargo Aircraft Only**" (CAO) shipments.

Package test: Strong rigid outer packaging equivalent to its capacity and intended use.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

□ "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO" (only when CAO was chosen)

<u>DHL Services</u> (**TDI** = Time Definite International , **ACS** = Air Capacity Sales):

TDI – Account must be approved. Lithium ion batteries / cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.

ACS - Select"DG" and mention "PAX" or "CAO" as applicable, in the restricted commodity type.







UN3090, Lithium Metal Batteries / Cells - PI968 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

Maximum 2.5 kg net quantity per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

- □ "Lithium metal batteries in compliance with Section II of PI968"
- □ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI - Forbidden.

ACS - Select "LB" and mention "CAO" in the restricted commodity type Shipping ACS consignments to, from or within the Asia Pacific region is possible for RCG approved shipments on approved routings only.







Labeling / Marking:





Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

Maximum 35 kg net quantity per package. Cargo Aircraft Only (CAO)

Package test: Packing Group II performance standards. UN specification packaging is required.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO"

<u>DHL Services:</u> (**TDI** = Time Definite International , **ACS** = Air Capacity Sales)

- TDI Account must be approved. Lithium metal batteries/cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.
- ACS Select "DG" and mention "CAO" in the restricted commodity type. Shipping ACS consignments to, from or within the Asia Pacific region is possible for RCG approved shipments on approved routings only.









UN3090, Lithium Metal Batteries / Cells - PI968 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

Maximum 8 cells per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

- □ "Lithium metal batteries in compliance with Section II of PI968"
- □ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Forbidden.

ACS - Select "LB" and mention "CAO" in the restricted commodity type Shipping ACS consignments to, from or within the Asia Pacific region is possible for RCG approved shipments on approved routings only.







Labeling / Marking:





UN3090, Lithium Metal Batteries / Cells - PI968 Section II

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

Maximum 2 batteries per package. Cargo Aircraft Only (CAO)

If part of a consolidation, packages and/or overpacks containing batteries assigned to this section must be offered to DHL separately from the goods in the consolidation that are not subject to the ICAO / IATA DGR. Furthermore only one package is accepted per each single consignment and / or overpack. These batteries will not be accepted if tendered in a customer pre-built ULD.

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill:

- □ "Lithium metal batteries in compliance with Section II of PI968"
- □ "Cargo Aircraft Only" or "CAO"

DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)

TDI – Forbidden.

ACS - Select "LB" and mention "CAO" in the restricted commodity type Shipping ACS consignments to, from or within the Asia Pacific region is possible for RCG approved shipments on approved routings only.







Labeling / Marking:





UN3090, Lithium Metal Batteries / Cells – PI968 Section IB

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging.

Maximum 2.5 kg net quantity per package. Cargo Aircraft Only (CAO)

Package test: 1.2 m drop test.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

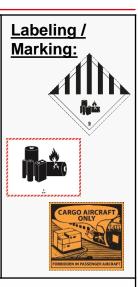
□ "Dangerous Goods as per attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO"

<u>DHL Services:</u> (TDI = Time Definite International , **ACS** = Air Capacity Sales)

- TDI Account must be approved. Forbidden in TDI Express to, from or within the Asia Pacific region due to air carriers restrictions.
- ACS Select "DG" and mention "CAO" in the restricted commodity type. Shipping ACS consignments to, from or within the Asia Pacific region is possible for RCG approved shipments on approved routings only.









Packaging: Labeling / Marking: Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. The equipment must be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation. Maximum number of batteries /cells per package = those necessary to power the equipment plus 2 spares. Maximum net quantity of lithium batteries or cells per package is 5 kg per package for either "Passenger and Cargo Aircraft" or "Cargo Aircraft Only "shipments. Package test: 1.2 m drop test. **Documentation:** Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill: □ "Lithium metal batteries in compliance with Section II of PI969" **DHL Services:** (**TDI** = Time Definite International , **ACS** = Air Capacity Sales) **TDI** – Account must be approved. ACS - Select "LB" and mention "Section II" in the restricted commodity type.





Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. The equipment must be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

Maximum number of batteries /cells per package = those necessary to power the equipment plus 2 spares.

Maximum net quantity of lithium batteries or cells per package is **5 kg** for **"Passenger and Cargo Aircraft**" (PAX) and **35 kg** for **"Cargo Aircraft Only**" (CAO) shipments.

Package test: Packing Group II performance standards. UN specification packaging is required.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

□ "Dangerous Goods as per attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"

□ "Cargo Aircraft Only" or "CAO" (only when CAO was chosen)

<u>DHL Services:</u> (TDI = Time Definite International , **ACS** = Air Capacity Sales)

TDI – Account must be approved. Lithium metal batteries / cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.

ACS - Select"DG" and mention "PAX" or "CAO" as applicable, in the restricted commodity type.





Labeling /

When CAO used:





UN3091, Lithium Metal Batteries / Cells - PI970 Section II

Packaging: The equipment must be packed in strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the	Labeling / Marking: No	
cell or battery is afforded equivalent protection by the equipment in which it is contained. Maximum 5 kg net qty of Lithium-metal cells/ batteries per package (excl. of equipment).	requirements.	
Maximum 2 packages per shipment (consignment).		
Package test: No requirements.		
Documentation:		
No requirements		
DHL Services: (TDI = Time Definite International , ACS = Air Capacity Sales)		
TDI – No requirements.		
ACS – No requirements.		



January 2017



Labeling / Marking:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. Devices with batteries must be placed in an outer packaging of suitable construction and strength so as to provide adequate protection, unless the battery is afforded equivalent protection by the equipment in which it is contained. Maximum net quantity of lithium batteries or cells per package is **5 kg** per package (excluding of equiment) for either "Passenger and Cargo Aircraft" or "Cargo Aircraft Only "shipments. **Package test:** Strong rigid outer packaging equivalent to its capacity and intended use. **Documentation:** Shipper's Declaration is not required. The following statement must be mentioned on the (air)waybill: □ "Lithium metal batteries in compliance with Section II of PI970" **DHL Services: (TDI** = Time Definite International, **ACS** = Air Capacity Sales) **TDI** – Account must be approved. **ACS** - Select "LB" and mention "Section II" in the restricted commodity type.



Packaging:

Packaging:

Each battery /cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery /cell, then placed in a strong rigid outer packaging. Devices with batteries must be placed in outer packaging of suitable construction and strength so as to provide adequate protection, 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 500 g per battery and 12 g per cell.

Maximum net quantity of lithium batteries or cells per package (excluding of equiment) is **5 kg** for "**Passenger and Cargo Aircraft**" (PAX) and **35 kg** for "**Cargo Aircraft Only**" (CAO) shipments.

Package test: Strong rigid outer packaging equivalent to its capacity and intended use.

Documentation:

Shipper's Declaration is required. The following statement must be mentioned on the (air)waybill:

- **D** "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration"
- □ "Cargo Aircraft Only" or "CAO" (only when CAO was chosen)

DHL Services (TDI = Time Definite International , ACS = Air Capacity Sales):

- TDI Account must be approved. Lithium metal batteries / cells packed according to this section are not accepted in TDI Express when transported via road to, from, or transiting an ADR member state.
- ACS Select"DG" and mention "PAX" or "CAO" as applicable, in the restricted commodity type.





Labeling /