



## You like empowering your business.

abc DG special logistics solutions for dangerous goods



## Precision that gives you an extra peace of mind.

Safe, consistent and reliable. From simple consumer goods (aerosols, paints and perfumery products) up to highly radioactive materials used in manufacturing and medicine - we understand that certain cargo has special shipping requirements. At ABC, we are fully equipped to handle and deliver dangerous cargo, and are able to offer customized logistics solutions tailored to the needs of each shipment Always. Worldwide.



### Knowledge, experience and expertise - three pillars we lean on for DG transportation

Dangerous goods transportations are organized and handled by certified and fully trained logistics practitioners across entire ABC network. Our cargo experts go through ongoing, special training to ensure they keep up with all the latest safety regulations and technologies. Compliant with strict internal, external and industry regulations, we can make sure no one is ever put at risk during the handling and shipping of dangerous goods – whether it is your cargo, our staff or the environment. That's our promise.

### Logistics solutions based on your needs:

- Full compliance with IATA Dangerous Goods Regulations and ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air, Doc 9284 AN/905
- Fully certified to transport all Classes of dangerous goods
- License for transportation of radioactive materials and fissile materials - Uranium/Plutonium (class 7)
- Acceptance of all types of lithium metal and lithium-ion batteries, both single and in/with an equipment, including cases under special provisions A88, A99
- Transportation of electric-powered vehicles (BEV, HEV and EV)
- Special assistance in obtaining approvals for carriage of certain goods
- Certified and trained personnel across the entire ABC network
- Highly customizable logistics solutions
- 24/7 surveillance of shipments



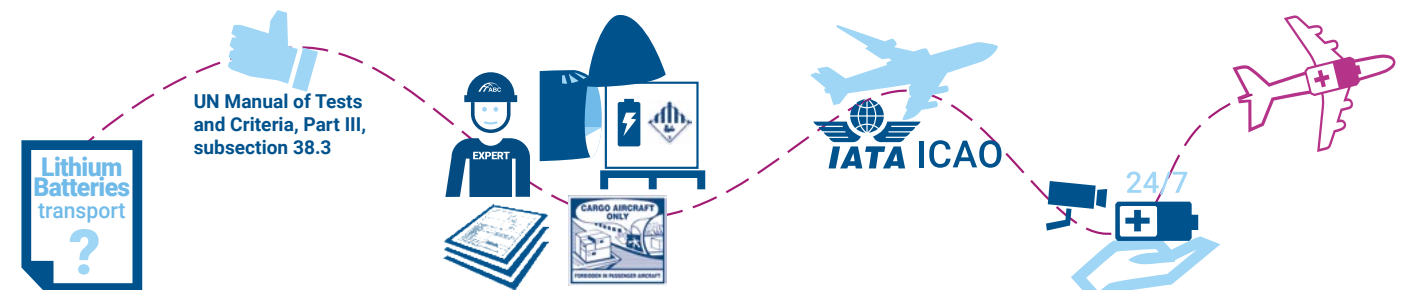
**ABC services for transportation of Lithium batteries**

In our tech-savvy world lithium batteries are commonly used in a variety of consumer goods, from portable electronic devices, such as laptop computers, tablets, smartphones, household goods and children’s toys, up to airplane equipment and machinery. Providing an important advantage of relative lightweight, lithium batteries are not flawless. Their transportation comes with a number of restrictions and requirements in terms of safety and consistency. ABC team provides delivery solutions for lithium batteries, which are classified as Dangerous Goods (Class 9) due to possible spontaneous inflammation, in strict compliance with the latest industry standards and regulations. With ABC, you can fully count on finding experienced support and expertise your shipment needs. Always. Worldwide.



**Your benefits at a glance:**

- Acceptance of all types of lithium metal and lithium-ion batteries, both single and in/with an equipment, throughout entire ABC network, including cases under special provisions A88, A99
- Full compliance with IATA Dangerous Goods Regulations and ICAO Technical Instructions Doc 9284 AN/905
- Highly customized logistics solutions with personal attention
- 24/7 surveillance of shipments
- Certified and skilled specialists with the right knowledge of dangerous goods and lithium batteries transportation
- No additional restrictions on transportation of lithium batteries
- Transportation of electric-powered vehicles (BEV, HEV and EV)
- Special assistance in obtaining approvals for carriage of certain types of batteries
- Assistance with testing for safe transportation and obtaining of respective report (*UN Manual of Tests and Criteria, Part III, subsection 38.3*)
- Special training course ‘Transportation of lithium batteries’ by certified trainers
- Advisory support with respect to ready-for-carriage procedures



**What kinds of Lithium batteries do we transport?**



**Lithium ion batteries** - lithium batteries that contain electrolyte. They can be recharged and are applicable for portable and home electronic tools. Lithium-ion batteries are used in such technologies as: smartphones, laptops, photo and video equipment and surveillance devices, and more.

**Lithium metal batteries** - have lithium as a main component. These high charge density batteries are non-rechargeable, and are mostly used in remote control tools, and watches.



# You like knowing you're in qualified hands.

## LITHIUM ION BATTERIES

### UN 3481 (RLI, ELI)

Lithium ion batteries contained in equipment

## LITHIUM ION BATTERIES

### UN 3480 (RBI-CAO, ELI-CAO)

Lithium ion batteries

## LITHIUM ION BATTERIES

### UN 3481 (RLI, ELI)

Lithium ion batteries packed with equipment

<b>RLI (RU-03):</b>	<b>ELI (RU-04):</b>	<b>RBI-CAO (RU-03):</b>	<b>RBI-CAO (RU-04):</b>	<b>ELI-CAO (RU-04):</b>	<b>RLI (RU-03):</b>	<b>ELI (RU-04):</b>
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## LABELLING

Cells: more than 20 Wh Batteries: more than 100 Wh 	Cells: not more 20 Wh, Batteries: not more 100 Wh 	Cells: more than 20 Wh, Batteries: more than 100 Wh 	Cells: not more 20 Wh, Batteries: not more 100 Wh 	Cells: not more 20 Wh, Batteries: not more 100 Wh 	Cells: more than 20 Wh, Batteries: more than 100 Wh 	Cells: not more 20 Wh, Batteries: not more 100 Wh 
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## PACKING INSTRUCTION 967      PACKING INSTRUCTION 965      PACKING INSTRUCTION 966

<b>Section I</b> Package limit (net quantity of cells/batteries): <b>PAX = 5 kg, CAO = 35 kg</b>	<b>Section II</b> Package limit (net quantity of cells/batteries): <b>PAX = 5 kg, CAO = 5 kg</b>	<b>Section IA</b> Package limit: <b>CAO = 35 kg</b> UN- package required (PG II performance standard)	<b>Section IB</b> Package limit: a) <b>10 kg and</b> more than with <b>&gt; 2,7 Wh</b> b) more than with <b>&gt; 2,7 Wh</b> <b>CAO</b> <b>8 cells ≤ 20 Wh</b> <b>2 batteries ≤ 100 Wh</b>	<b>Section II</b> Package limit: <b>CAO</b> a) not more <b>2,5kg</b> cells/batteries with <b>≤ 2,7 Wh</b> or b) not more 8 cells with <b>&gt; 2,7 Wh ≤ 20 Wh</b> or c) not more 2 batteries with <b>&gt; 2,7 Wh ≤ 100 Wh</b>	<b>Section I</b> Package limit (net quantity of cells/batteries): <b>PAX = 5 kg, CAO = 35 kg</b> UN- package required (PG II performance standard)	<b>Section II</b> Package limit (net quantity of cells/batteries): <b>PAX = 5 kg, CAO = 5 kg</b>
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## REQUIRED DOCUMENTATION

<b>Dangerous goods declaration</b> 	<b>Dangerous goods declaration is not required</b> The words "Lithium ion batteries in compliance with Section II of PI 967" must be included in AWB	<b>Dangerous goods declaration</b> 	<b>Dangerous goods declaration</b> 	<b>Dangerous goods declaration is not required</b> The words "Lithium ion batteries in compliance with Section II of PI 965-CAO" must be included in AWB	<b>Dangerous goods declaration</b> 	<b>Dangerous goods declaration is not required</b> The words "Lithium ion batteries in compliance with Section II of PI 966" must be included in AWB
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### Please note:

**RU-03:** UN 3480, Section IA of PI965 and UN 3481, Section I of PI966 and PI967 is accepted for carriage upon prior approval of the airline. Request for approval must be send via email to [dg@airbridgecargo.com](mailto:dg@airbridgecargo.com)

**RU-04:** UN 3480 Section IB, II of PI965, UN 3481 Section II of PI966 and PI967, UN 3090 Section IB, II of

PI968 and UN 3091, Section II of PI969 and PI970 is accepted for carriage only with a completed and signed "Shipper's Declaration for Lithium Battery" form. This form can be obtained from local airline offices or via email to [dg@airbridgecargo.com](mailto:dg@airbridgecargo.com)



# Spreading power over continents.

LITHIUM METAL BATTERIES

## UN 3091 (RLM, ELM)

Lithium metal batteries contained in equipment

LITHIUM METAL BATTERIES

## UN 3090 (RBM-CAO, ELM-CAO)

Lithium metal batteries

LITHIUM METAL BATTERIES

## UN 3091 (RLM, ELM)

Lithium metal batteries packed with equipment

**RLM (RU-02):**

**ELM (RU-04):**

**RB2-CAO (RU-03):**

**RBM-CAO (RU-04):**

**ELM-CAO (RU-04):**

**RLM (RU-02):**

**ELM (RU-04):**

### LABELLING

Cells: more than 1g,  
Batteries: more than 2g



Cells: not more 1g,  
Batteries: not more 2g



Cells: more than 1g,  
Batteries: more than 2g



Cells: not more 1g,  
Batteries: not more 2g



Cells: not more 1g,  
Batteries: not more 2g



Cells: more than 1g,  
Batteries: more than 2g



Cells: not more 1g,  
Batteries: not more 2g



### PACKING INSTRUCTION 970

### PACKING INSTRUCTION 968

### PACKING INSTRUCTION 969

**Section I**  
Package limit  
(net quantity of cells/batteries):  
**PAX = 5 kg, CAO = 35 kg**

**Section II**  
Package limit  
(net quantity of cells/batteries):  
**PAX = 5 kg, CAO = 5 kg**

**Section IA**  
Package limit:  
**CAO = 35 kg**



UN- package  
required (PG II  
performance  
standard)

**Section IB**  
Package limit  
a) **2,5 kg and**  
b) more than  
with **> 0,3 g ≤**  
or more than  
with **> 0,3 g ≤**

**CAO:**

**8 cells**  
**1 g**  
**2 batteries**  
**2 g**

**Section II**  
Package limit **CAO:**  
a) not more **2,5kg** cells/batteries  
with **≤ 0,3 g** or  
b) not more **8 cells**  
with **> 0,3 g ≤ 1g** or  
c) not more **2 batteries**  
with **> 0,3 g ≤ 2 g**

**Section I**  
Package limit:  
**PAX = 5 kg,**  
**CAO = 35 kg**



UN- package  
required (PG II  
performance  
standard)

**Section II**  
Package limit:  
**PAX = 5 kg,**  
**CAO = 5 kg**

### REQUIRED DOCUMENTATION

**Dangerous goods declaration**



**Dangerous goods declaration is not required**

The words "Lithium metal batteries in compliance with Section II of PI 970" must be included in AWB

**Dangerous goods declaration**



**Dangerous goods declaration**



**Dangerous goods declaration is not required**

The words "Lithium metal batteries in compliance with Section II of PI 968-CAO" must be included in AWB

**Dangerous goods declaration**



**Dangerous goods declaration is not required**

The words "Lithium metal batteries in compliance with Section II of PI 969" must be included in AWB

**Please note:**

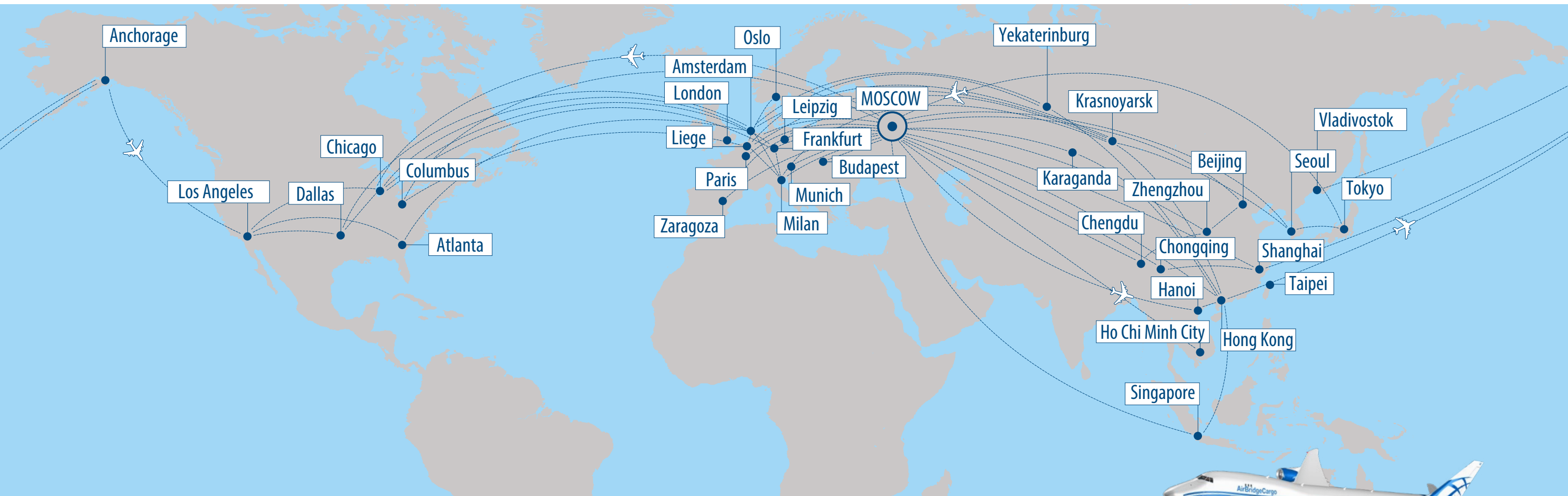
**RU-02:** UN 3090, Section IA of PI 968 and UN 3091, Section I of PI 969 and PI 970

**RU-04:** UN 3480 Section IB, II of PI965, UN 3481 Section II of PI966 and PI967, UN 3090 Section IB, II of PI968 and UN 3091, Section II of PI969 and PI970 is accepted for carriage

only with a completed and signed "Shipper's Declaration for Lithium Battery" form. This form can be obtained from local airline offices or via email to [dg@airbridgecargo.com](mailto:dg@airbridgecargo.com)



## Unlimited connectivity options for your cargo.



### Our route to success.

AirBridgeCargo (ABC) is the leading all-cargo carrier in Russia and operates among the top ten international cargo airlines worldwide.

- More than 14 years of consecutive growth
- Over 30 airfreight destinations with effective connectivity options through hub in Moscow
- 48-hour delivery time
- 1,300 cargo professionals worldwide
- Customized logistics solutions for transportation of general and special cargo
- State-of-the-art Boeing 747 fleet
- Logistics solutions, complemented by extensive network of ABC interline partners and trucking companies worldwide
- IATA and IOSA certified, full compliance with all international/internal safety guidelines and quality standards (Cargo IQ)
- Member of Cool Chain Association
- IATA CEIV (pharma) and QEP certified

- Qualified and certified team of logistics practitioners for transportation of general and special cargoes
- 24/7 Control Tower (CT) to guarantee smooth operations of special cargoes transportations

### Our modern fleet.

AirBridgeCargo operates one of the youngest freighter fleets in the air cargo industry, consisting of 18 state-of-the-art Boeing aircraft. Boeing 747 freighter is featured to accommodate all types of dangerous goods, including 'cargo aircraft only' cases. ABC's all-Boeing fleet provides a number of important benefits for customers with Dangerous goods:

- access to maindeck cargo capacity across AirBridgeCargo's entire global network
- nose-door loading for priority loading
- separate cargo compartments with temperature settings of between 4°C to 29°C
- possibility to isolate dangerous goods from other consignments using spacious main deck
- cargo compartments providing easy access
- lower CO<sub>2</sub> emissions – Go Green strategy



## Special attention for special cargo.



### CONTROL TOWER

AirBridgeCargo Airlines has established a new 24/7/365 Control Tower (CT) operation to monitor consignments of special cargoes and to proactively respond to service disruptions to ensure it consistently meets customers' delivery deadlines. Managed by a team of fully trained supply chain specialists and based in Moscow, HQ the Control Tower provides:

- real-time, round-the-clock monitoring of all cargo movements throughout the entire transportation process across ABC's network
- checkup of ABC's fleet technical condition (temperature control system, cargo handling system readiness)
- schedule alignment and control for priority delivery of special cargo
- communication with ABC specialists from different departments and customers in case of deviations for prompt response
- cargo status updates and reports
- CT personnel availability 24/7 via e-mail, skype or direct phone line

### GET IN TOUCH WITH US:

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