

## Become a Lithium Battery Air Transport Professional



### Lithium Battery Certification for Air Transport

Delivering Lithium Battery with confidence

#### Background

Lithium batteries and any Li-battery-powered electronics with Li-battery (**Li-ele-products**) must comply with the Dangerous Goods Regulation published by IATA. With compact design and high energy density of the lithium battery, it is possible that any incident of lithium battery could lead to a major tragedy if transported by air. Statistics has shown an increase in number of aviation cargo incidents involving Li-ele-products.

#### Risks & Concerns

With the potential of poor production quality and counterfeit issue in electronics manufacturing, this poses potential threat to aviation safety. In addition, the supply chain model, between Hong Kong and China for international export, makes the threats less identifiable by the presence of conflict of interest between supply chain entities, multi-layered consolidation, etc.

#### Recommendation

According to Compliance and Awareness Information Paper No. 6 (DGP-WG/LB/2-IP/6) issued by International Civil Aviation Organization (ICAO) Dangerous Goods Panel Working Group on lithium batteries 2014, it is encouraged to establish a greater level of voluntary compliance on lithium batteries air transport. An effective means was to push compliance back down the entire supply chain towards the manufacturer. Thus establishing a trust-based programme along the lithium battery supply chain is essential.

#### About Li-CAT Certification

The Lithium Battery Certification Air Transport Programme (Li-CAT) seeks to safeguard the world's vibrant aviation industry from Li-battery potential threats, at the same time maintaining the economic potential of the industry. The programme develops and adopts measures that enhance safety with minimal hassle for honest and responsible stakeholders in the supply chain.

To cater for different entities of the industries regarding to their types and sources of lithium batteries under this certification programme, the Supply Chain Security Association will grant Li-CAT certification to companies in two tiers:

**Tier I:** For supply chain entities that handles Section II of PI965-PI970 Li-battery/cell according to IATA DGR;

**Tier II:** For supply chain entities that handles ALL Sections (I, IA, IB, II) of PI965-PI970 Li-battery/cell according to IATA DGR.

#### Applicable Entities

The programme aims to raise safety standards along the supply chain. Therefore entities within the supply chain should be all eligible to participate in the program. To ensure a smooth and comprehensive establishment of the programme, a progressive approach is adopted.

In the first phase of the programme, forwarders and shippers in Hong Kong are included by the programme. As they are the bridge between the manufacturer and the operator, enforcing regulatory programme at this position can help the progressively adopting the programme towards the manufacturing source in a proactive manner.

## Benefit

By establishing a trust-based compliance programme, honest and responsible stakeholders would be well recognized by the authorities and other entities in the supply chain. The following are the potential benefits for acquiring Li-CAT:

- Minimize Inspections
- Minimize incident liability to your company
- Front of the line privileges
- Business continuity
- Maintain business relationship
- Obtain new customers
- Increase competitiveness
- Minimize the probability of a disruption to your supply chain
- Protection of your brand image

## REGULATORY REQUIREMENTS

The applicant is required to comply with the following certification criteria to come into consideration for the Li-CAT certificate:

### A. Company Profile

- (A1) Management Responsibility
- (A2) Staff Training & Awareness
- (A3) Lithium Battery Air Shipment Statistics
- (A4) Maintenance of Other Supply Chain Awards/Certification

### B. Cargo Handling & Processing Profile

- (B1) Cargo Handling & Processing Involvement
- (B2) Warehouse & Transportation Standard
- (B3) Subcontractor Management

### C. Regulatory Aspects

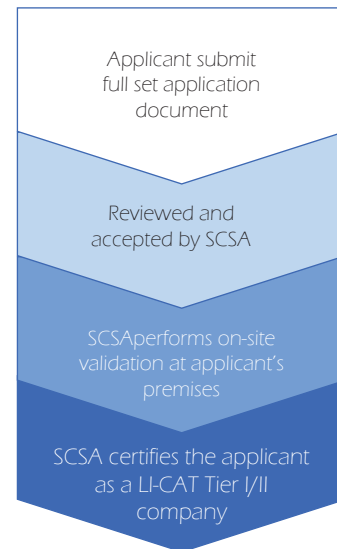
- (C1) Standards of Procedures Performed
- (C2) Business Partner Management
- (C3) Establishment of Audit System
- (C4) Incident Management and Reporting System
- (C5) Dangerous Goods Specific Standard (Tier 2 Only)

## Certification entry cost summary

Description	Amount (HKD)	Amount (USD)
Non-refundable Application Fee	3,900	500
Non-refundable Assessment Fee	6,006	770
One-time Registration Fee	1,170	150
*Li-CAT Certificate Annual Fee	2,730	350
Compulsory contribution to the Li-CAT improvement fund	780	100
<b>Total</b>	<b>14,586</b>	<b>1,870</b>

\*Applicant who successfully pass Li-CAT certification Tier I or Tier II, shall be entitled to waive Application Fee and First Year Annual Fee of Supply Chain Security (Corporate) Member.

## Four-Steps Certification Process



## To register for Li-CAT Certification:

Email [licat@scsasecurity.org](mailto:licat@scsasecurity.org) and we will contact you to discuss the best options for you.

Supply Chain Security Association  
Room 208, Westin Centre, 26 Hung To Road, Kwun Tong  
Tel: (852) 2750-5358  
Email: [info@scsasecurity.org](mailto:info@scsasecurity.org)  
Website: <http://www.scsasecurity.org/Li-CAT/>