

IATA CEIV Certification

2025



Introduction to IATA

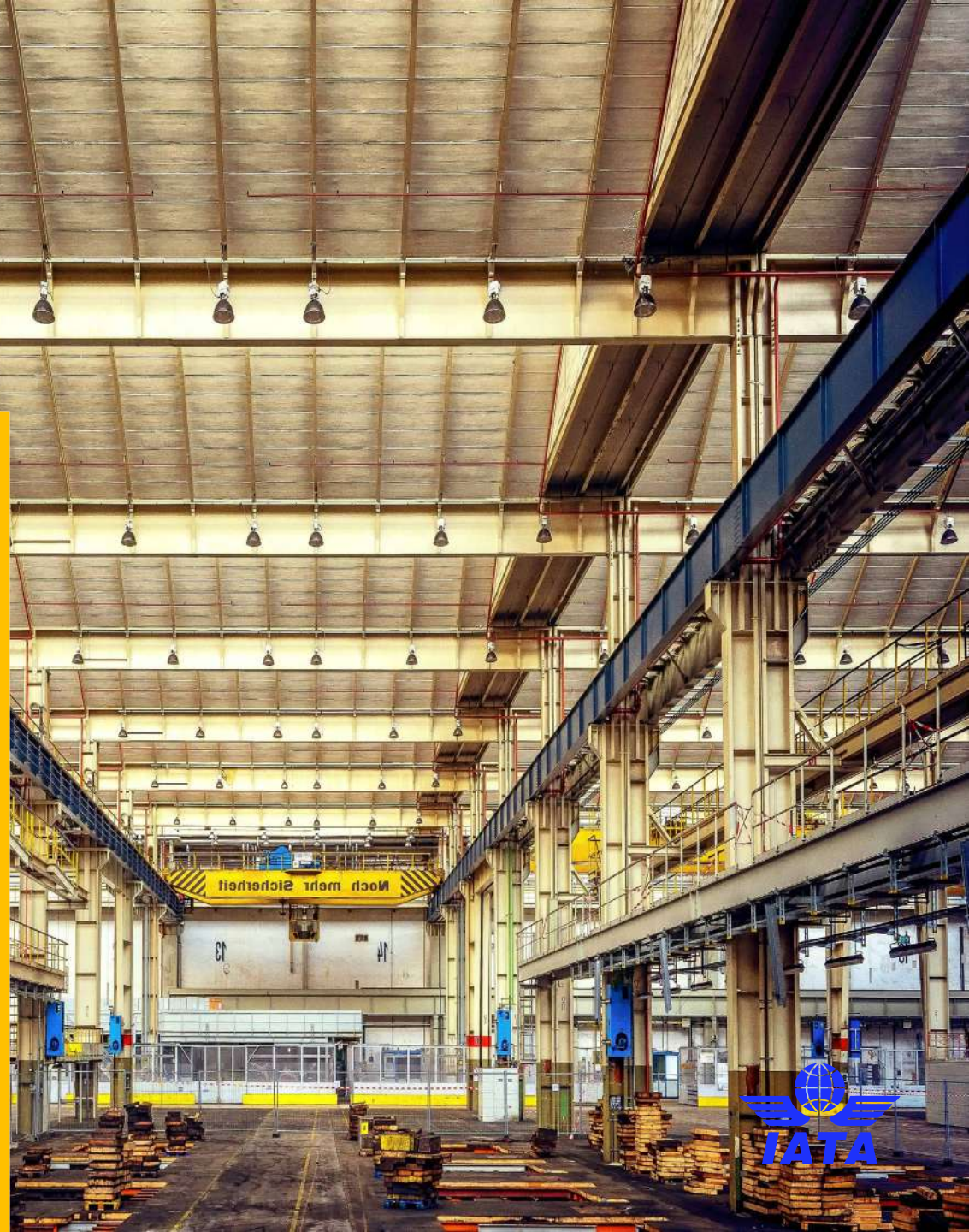


IATA is a Standard Setting Organization

IATA uses different means to disseminate standards in the industry

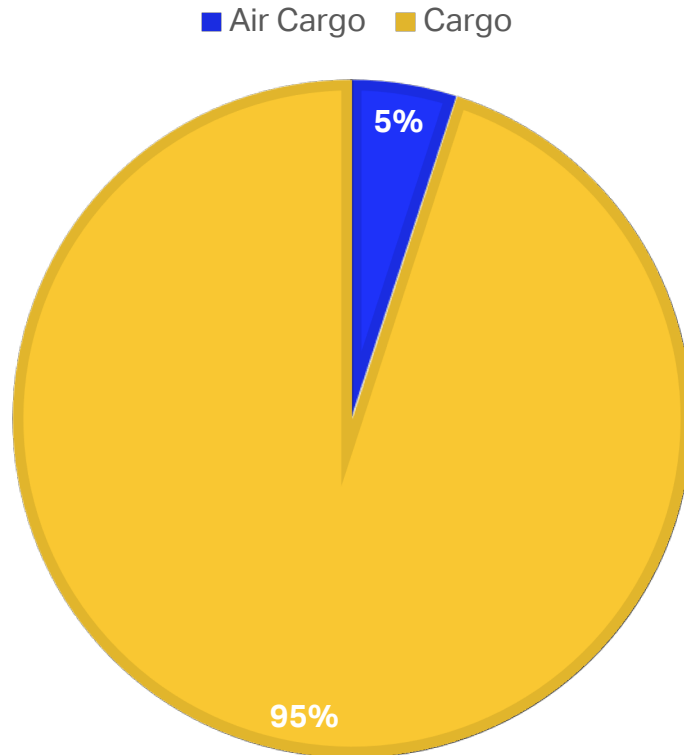


Special Cargo

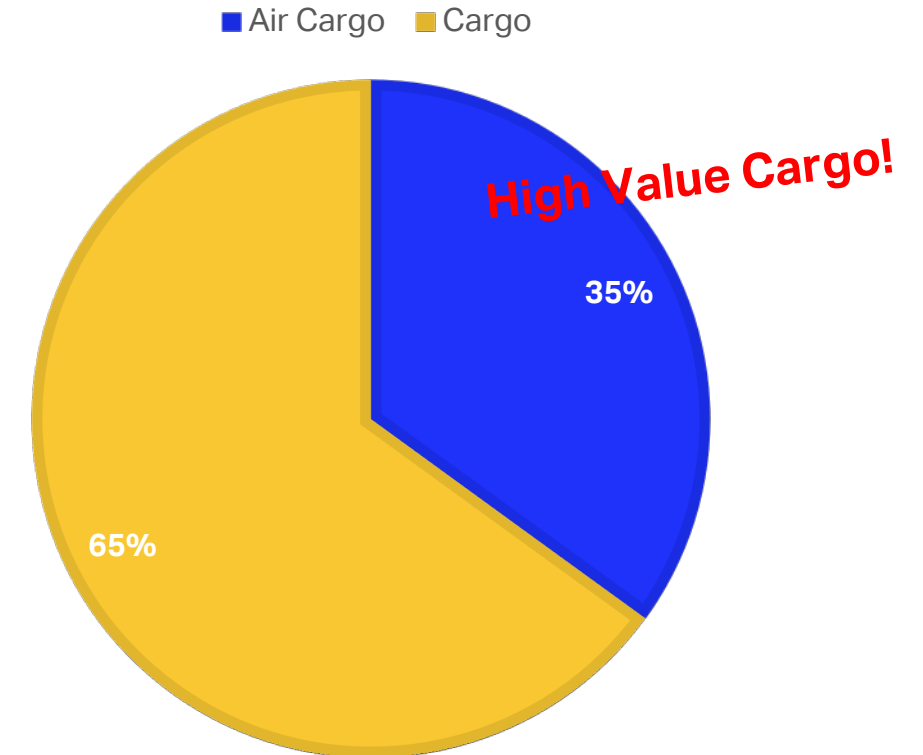


Air Cargo in Cargo industry

VOLUME



VALUE



Source: IATA

In terms of weight, air cargo constitutes 5% of the total cargo industry, yet it represents 35% of the industry's total value

IATA Special Cargo Manuals

Special Cargo Manuals contain standard operating procedure, country regulations and best-practice for safe and secure transportation

Pharmaceutical



Temperature Control Regulations (TCR)

Live Animal



Live Animals Regulations (LAR)

Perishable



Perishable Cargo Regulations (PCR)

Lithium Battery



Lithium Battery Shipping Regulations (LBSR)

IATA CEIV Certification



CEIV Certification

CEIV certification is designed to enhance the knowledge from standards and integrate to the operations to retain and improve the quality of air cargo handling

Pharmaceutical



Temperature Control Regulations (TCR)

Live Animal



Live Animals Regulations (LAR)

Perishable



Perishable Cargo Regulations (PCR)

Lithium Battery



Lithium Battery Shipping Regulations (LBSR)



About CEIV | Center of Excellence for Independent Validators

Global certification program on certifying organizations for excellence with handling and transportation of special cargo shipments in the area of pharma, live animals, perishables and lithium batteries. It brings stakeholders together to solve the challenges of special cargo air freight.

Benefits

For all stakeholders involved in the handling and transportation of special cargo shipments.

- ✓ Ensures compliance with the latest standards
- ✓ Globally recognized as a sign of professionalism and expertise
- ✓ Delivers quality handling and transport
- ✓ Builds trust throughout the supply chain



524

CEIV Pharma
certified stations from 2014



32

CEIV Live Animals
certified stations from 2018



43

CEIV Fresh
certified stations from 2019



109

CEIV Lithium Batteries
certified stations from 2021

Special cargo fundamental and external factors

Pharmaceutical

- Pharma industry is going towards Diversification and Stringency
- Stricter regulations
- Cold Chain in Global warming with uncertain outlook
- Development of Biopharmaceuticals



Special cargo fundamental and external factors

Perishable Cargo

- Cold Chain in Global warming with uncertain outlook
- HACCP philosophy and its high penetration
- Food Loss Prevention as the industry's mission
- Market needs for premium perishable

HACCP: Hazard Analysis and Critical Control Point



Special cargo fundamental and external factors

Live Animals

- Live animal handling is a competitive yet booming and profitable business
- Transporting live animals by air is a complex
- It matters to Animals' Welfare
- Emotional loss can lead to reputational issues



Special cargo fundamental and external factors

Lithium Battery

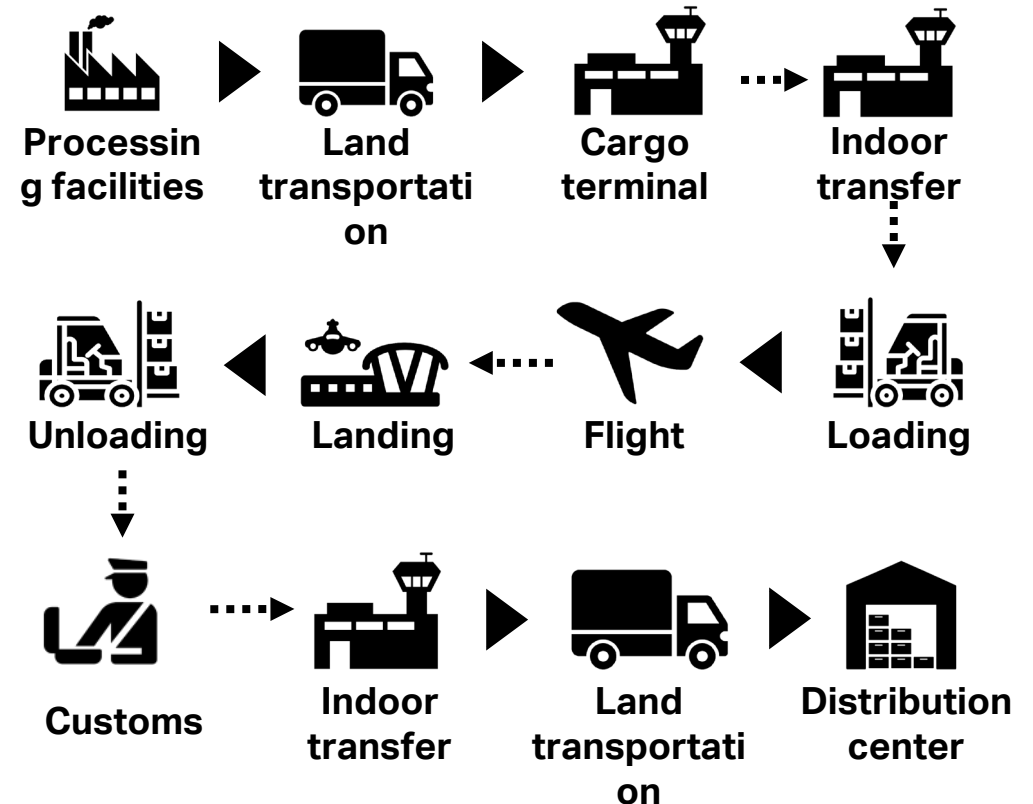
- Awareness of the risk of Lithium Batteries
- Incidents from Lithium Batteries in real
- Invisible/hidden item in cargo
- Growing E-commerce



About CEIV | Air Cargo Industry Concerns and Challenges

Modal shift is a reality because shippers need products to maintain integrity and efficacy during transportation. Traceability and efficient communication between different stakeholders during transport lifecycle is a key.

- ✓ Air Cargo consists of one of the most dynamic environments
- ✓ Changes in regulations by leading bodies have increased the significance of regulatory compliance management for special cargo handling
- ✓ Supply chains across the globe are compelled to alter their compliance practices to conform to changes in regulations and stringent anti-corruption laws
- ✓ Historically pharmaceutical industry has been dealing with malpractices across the value chain ranging from improper branding to masking safety information and disregarding quality manufacturing standards. This has led to regulators keeping a strict watch on the pharma companies.
- ✓ Enforcement agencies the world over have become more active. Any violation of regulatory methods or non-compliance of standards could tarnish a company's reputation, risking its future.



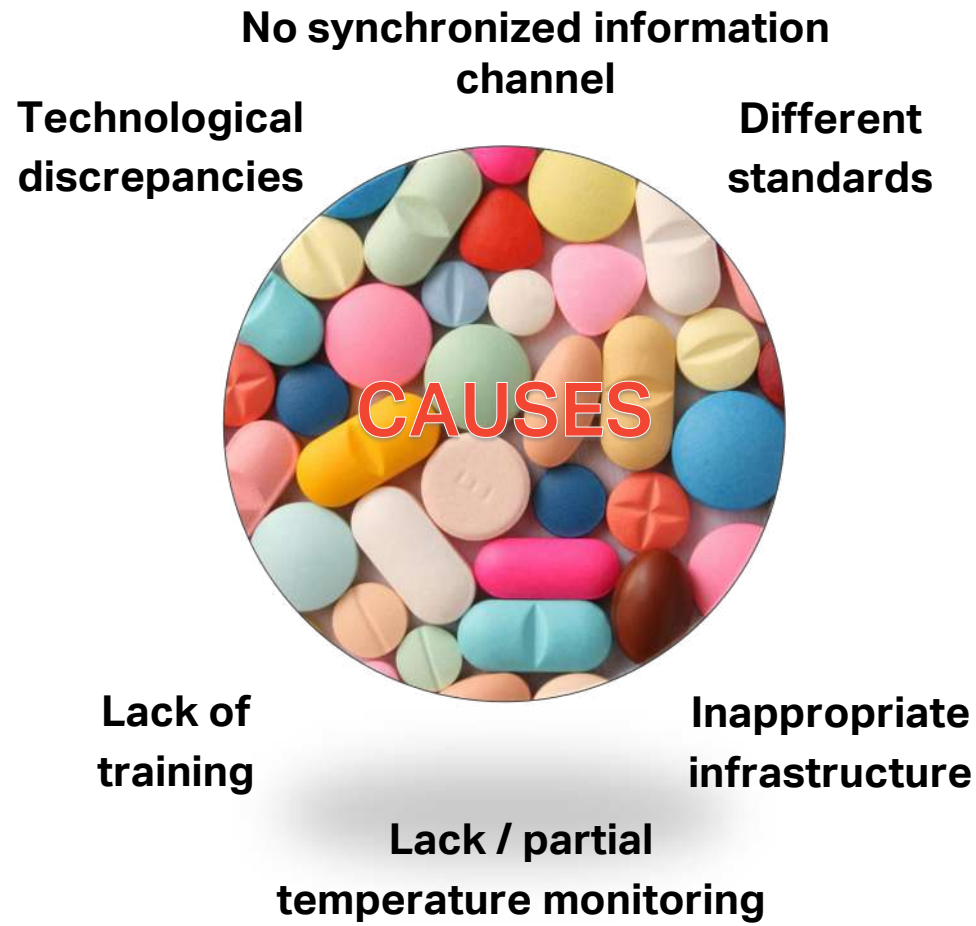


IATA CEIV Pharma



CEIV Pharma | Transportation challenges

Causes for temperature excursions



- ✓ Due to a lack of compliance, standardization, accountability and transparency across the air transport supply chain a majority of all temperature excursions occur while the package is in the hands of airlines/airports.
- ✓ Temperature deviation denature the product, render it worthless and be harmful to the health of the patient.
- ✓ Products can be lost, scrapped, returned leading to significant costs.

CEIV Pharma | An Established Program

The TCR contains all the information and requirements you need to ship compliant temperature-sensitive products. CEIV also encompasses global regulatory frameworks.



IATA Temperature Control Regulations

- ✓ Compliance, standardization, accountability and transparency across the supply chain
- ✓ Properly trained stakeholders on regulations and standards
- ✓ Adequately equipped facilities throughout the supply chain
- ✓ Global certification for handling of pharmaceutical cargo
- ✓ Common audit format to minimize the disruptions and increase effectiveness



The CEIV Pharma Certification is consistent with the international Good Distribution Practices (GDP)

and guidelines for pharmaceutical products storage and distribution

- ✓ World Health Organization (WHO) Technical Report Series, No. 957, Annex 5, 2010
- ✓ World Health Organization (WHO) Technical Report Series, No. 1025, Annex 7, 2020.
- ✓ European Commission Guidelines (2013/C 343/01)

Source: IATA, WHO, European GDP Association



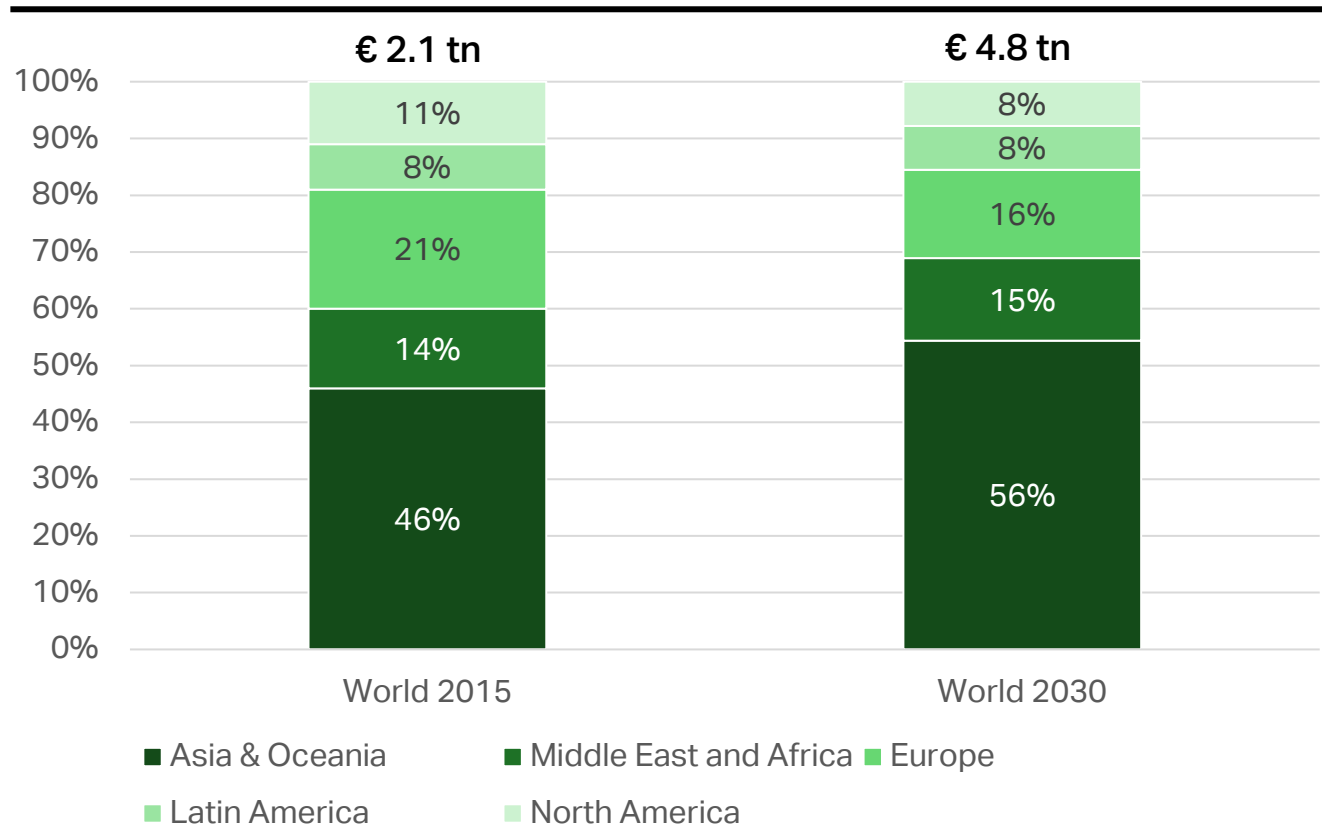
IATA CEIV Fresh



About CEIV Fresh | Demand for fresh products is growing worldwide

Especially from the Americas, EMEA and Asia Pacific

Consumer spending on fruit and vegetables by geographic location (% share)

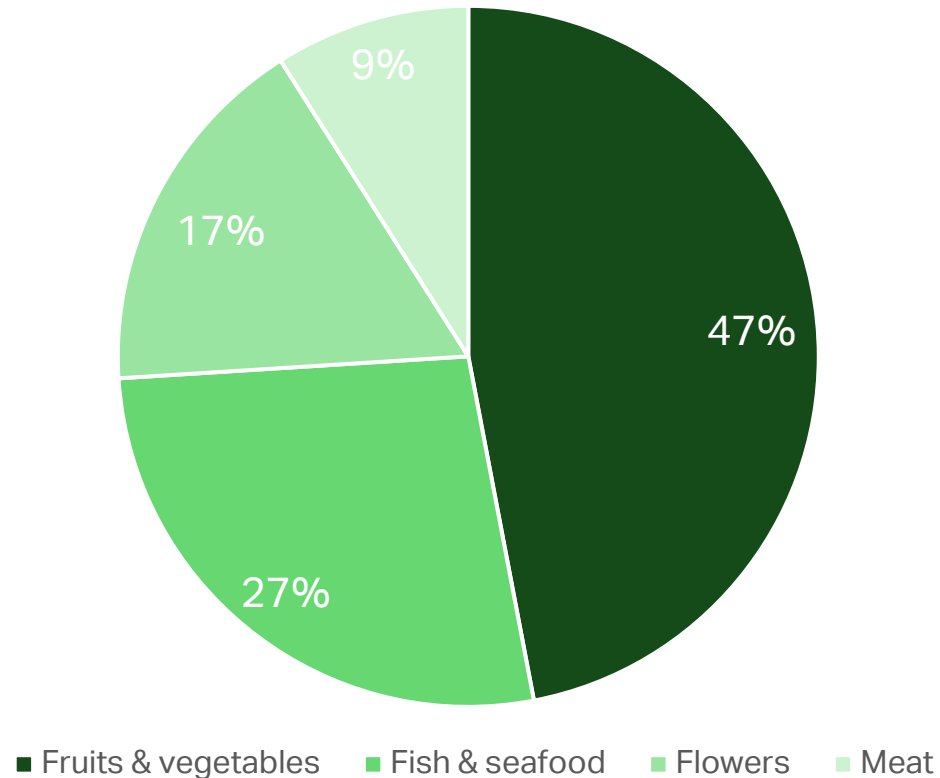


Source: Oliver Wyman

- ✓ Perishable cargo is a general category of air freight that refer to time-sensitive agro-food products and horticultural products such as seafood, meat, fruits, dairy, vegetables and cut flowers
- ✓ Over the past years, a global surge in demand for premium perishables especially from the Americas, EMEA and Asia Pacific
- ✓ Global consumption for fruits and vegetables segment alone is expected to reach 4.8 trillion euro in 2030. Asia and Oceania will be the main driver behind this growth
- ✓ Forwarders and carriers now see 'high value' perishables as a prime business, as demand for such premium products increases around the world

About CEIV Fresh | Perishables transportation challenges

Split of perishable products by type (% share)



40%

Of food produced in the world currently requires refrigeration via cold chains

20%

Of global food loss and waste is caused by an incomplete, fragmented cold chain

360

Million tons of perishable foods are lost through insufficient refrigeration

Source: WorldACD, Air Cargo News (2021)

About CEIV Fresh | An Established Program

The Perishable Cargo Regulations (PCR) is the leader in temperature control and cold chain management for goods from the food sectors

- ✓ Up-to-date airline and government requirements pertaining to the transport of perishable cargo
- ✓ Requirements on handling, marking & labeling
- ✓ Necessary packaging requirements
- ✓ Information on the necessary documentation required when transporting perishable cargo
- ✓ A comprehensive classification of 100's of perishable commodities



Source: IATA



IATA CEIV Live Animal



About CEIV Live Animals | An Established Program

IATA ensures that both safety and animal welfare are addressed in all regulatory issues pertaining to transportation of live animals by air



Source: IATA, CITES

- ✓ Live Animals and Perishables Board develops regulations for the acceptance, handling and loading of live animals in air transport, compiled in the Live Animals Regulations (LAR) manual.
- ✓ IATA coordinates the Live Animals and Perishables Board (LAPB) and provides key input to the airline industry on issues such as animal welfare, identification, and animal behavior based on modern science.
- ✓ The LAPB has two meetings a year where all proposals are discussed in consultation with the industry.
- ✓ The IATA LAR have been adopted by a number of countries as their national regulations for transporting live animals.
- ✓ Live Animals standards in the LAR are not set in isolation. The standards are a combination of operational experience and based on modern science



- ✓ CITES is an international agreement between governments
- ✓ Aims to ensure that international trade in specimens of wild animals and plants does not threaten the survival of the species.



IATA CEIV Lithium Battery



CEIV Lithium Battery | Safety Incidents

Aviation Cargo and Passenger Baggage Events Involving Smoke, Fire, Extreme Heat or Explosion Involving Lithium Batteries or Unknown Battery Types



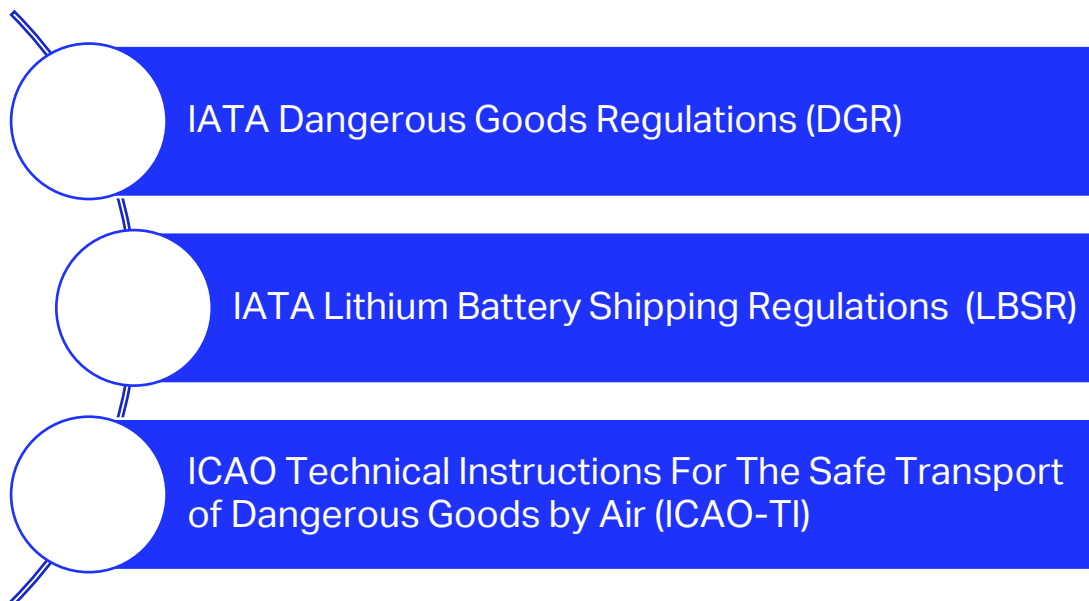
FAA Warning Over Lithium Batteries
Watch what happens when a shipment of ion batteries spontaneously ignites.

Source: Wikipedia, ABC, CNN

CEIV Lithium Battery | Assessment Scope & Criteria

CEIV Li-batt strives to achieve standardization and uniformity in the scope, depth and quality of the assessments conducted, focusing on critical operational areas of an organization.

The checklist criteria are based on:



The validation covers the following:



CEIV Li-batt ensures all organizations are assessed in a consistent and objective manner using standardized assessment checklist and criteria that have been developed to guide the assessor and the organization through the assessment process.

CEIV Certification Process



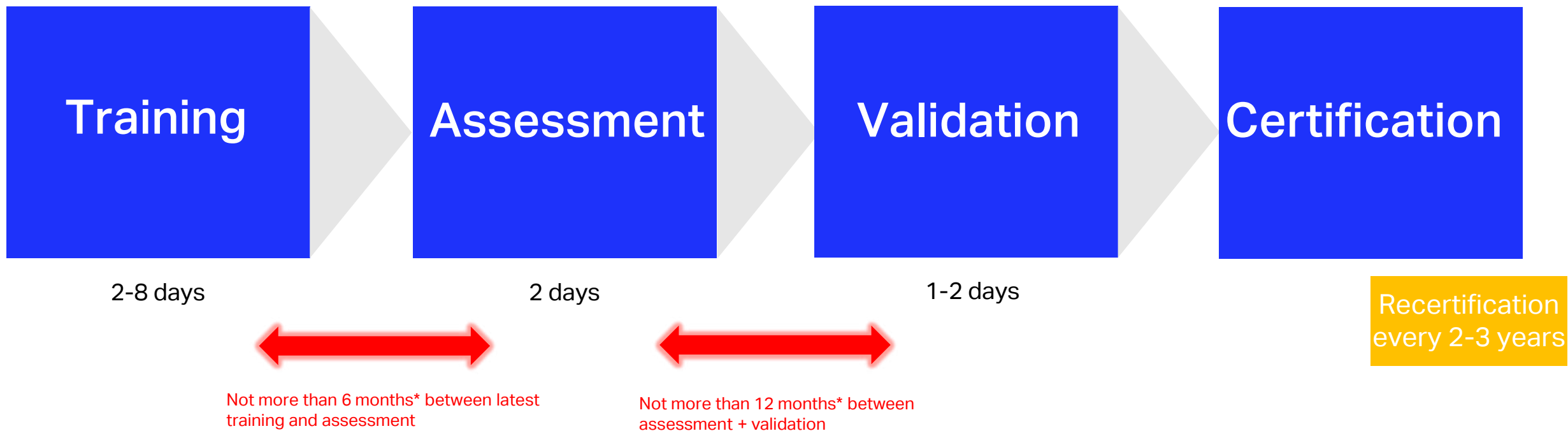
Certification Prerequisites

- ✓ Participants should have prior **knowledge of air cargo procedures**
- ✓ Recommended English level is **Entry-level and Intermediate.**
- ✓ At least **2 key personnel per station** must complete the designated training (s)
- ✓ Preferable personnel:
 - Cargo quality operations managers
 - Airline, handler or freight forwarder operations managers
 - Warehouse and ramp operations managers
 - In-house auditors/managers



CEIV Certification Process

For organizations across the aviation and logistics industry involve in transport and handling of airfreight shipments



Total certification not to last longer than 18 months from last training to certification

CEIV Certification Process | Certification



Award of Certification:

The ultimate goal is to provide participating organizations with a better understanding of shippers demands, as well as providing a framework to ensure global and consistent approach towards handling and transporting perishables



CEIV One Source

The IATA ONE Source platform functions as an online industry platform for validated aviation infrastructure capability information



Source: IATA

IATA Validation Programs



CEIV Pharma



CEIV Live Animals



CEIV Fresh

Validate excellence beyond adherence to IATA standards. These certifications improve the level of competency, operational and technical preparedness in the handling and transport of special cargo, identifying the 'best in class' industry stakeholders

Certifications of Excellence



CEIV Lithium Batteries

Center of Excellence for Independent Validators
Lithium Batteries (CEIV Li-batt) is a certification program designed to enable shippers, freight forwarders, cargo handling facilities and airlines to meet their safety obligations by complying with the applicable transport regulations, improve the level of competency, infrastructure and quality management in handling and transportation of lithium battery products throughout the supply chain.

[Learn More](#)

SHOW CERTIFIED ENTITIES

Certifications of Excellency

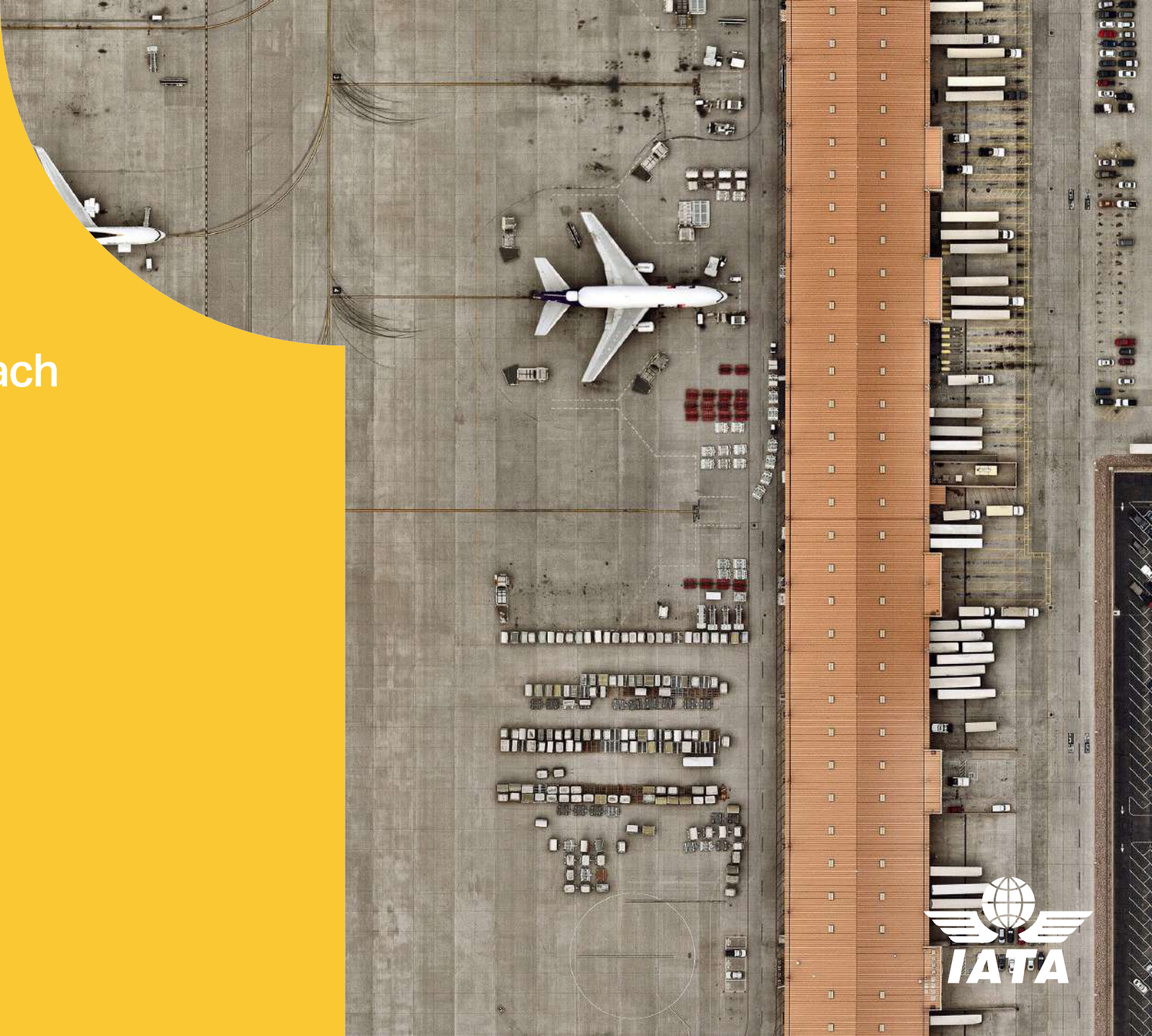
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[Learn More](#)

SHOW CERTIFIED ENTITIES

CEIV Airport Community Approach

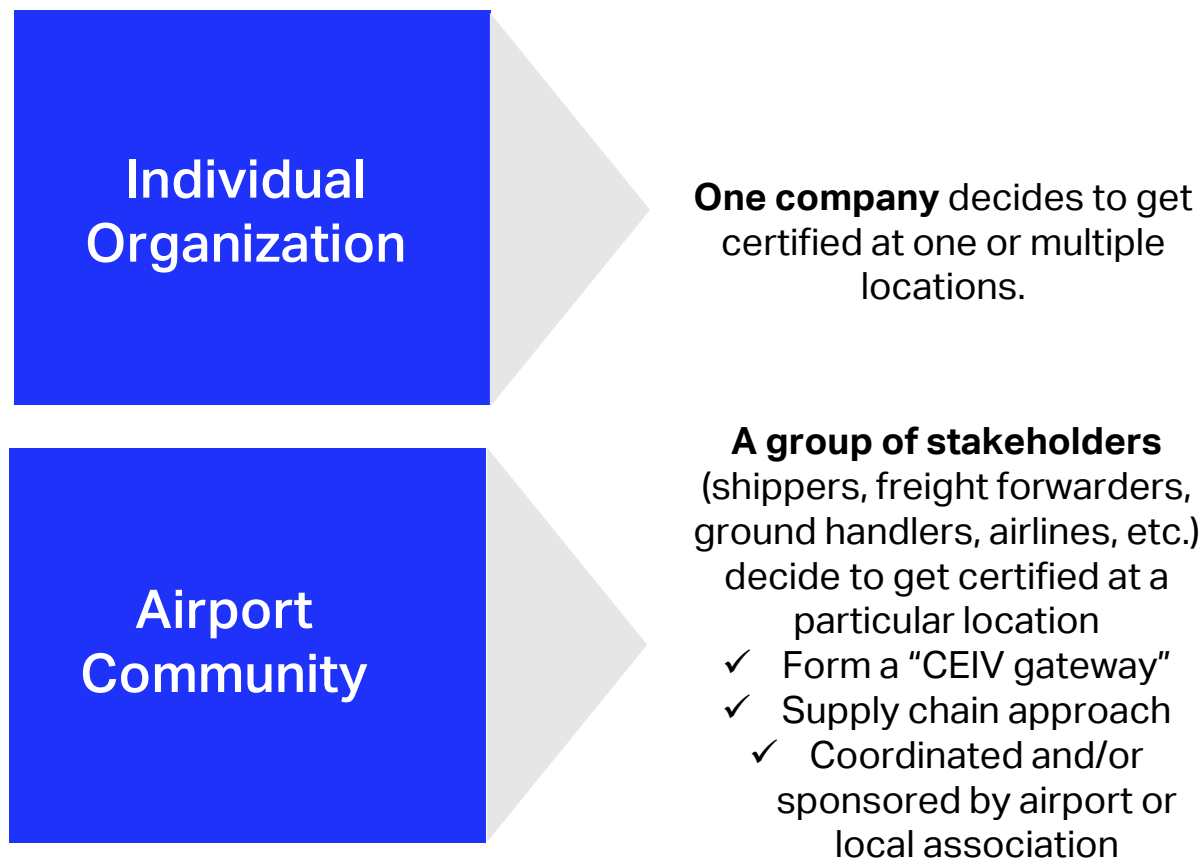


Implementation approach

Segment and target companies

- ✓ Shippers
- ✓ Trucking companies
- ✓ Freight forwarders
- ✓ Cargo terminal operators
- ✓ Ground handling agents
- ✓ Airport (if shelf handled)
- ✓ Airlines

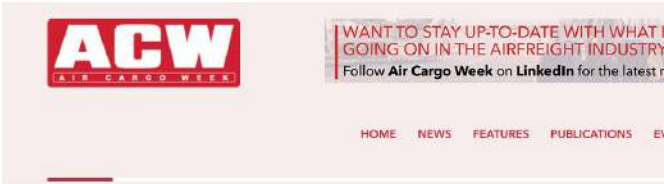
Organization across the aviation and logistics industry involve in transport and handling of airfreight shipments.



Airport Community Approach by Incheon Airport (Korea)



Source: IATA. Incheon Airport



Incheon Airport Community scores world first with IATA certification

 Incheon Airway | 25 May 2023



Photo: Incheon International Airport

The Incheon International Airport Community has become the world's first of its kind to receive Center of Excellence for Independent Validators (CEIV) Lithium Batteries (Li-Batt) certification from the International Air Transport Association (IATA).

This adds to the airport's IATA CEIV certification in pharmaceuticals (Pharma) and perishable goods (Fresh).

To acquire the CEIV Li-Batt certification, the Incheon International Airport Corporation (IAC) established the Incheon Airport Community in December 2022, consisting of a total of 11 companies, including three airlines, one ground handling company, and six logistics companies.

Over a five-month period, the community underwent certification procedures, including comprehensive education and evaluations, resulting in every member successfully obtaining the certification.

Headed by the IAC, the Incheon Airport Community includes Korean Air, Asiana Airlines, Jeju Air, and ground handler Swissport Korea.

It also includes a number of logistics companies. These are: DB Schenker, LX Pantos, Lotte Global Logistics, Seoul Air Cargo, Sejin Logistics and Hyundai Glovis.

While individual airlines, forwarders, and operators worldwide have previously achieved IATA's Li-Batt certification since its inception in October 2021, this collective certification of an airport and its entire community is understood to be a first.

During IAC president Min-jeong Lee said: "As the world's first airport to obtain this certification, we will lead the way in the lithium battery air transport market."

Driven by the escalating demand for lithium batteries due to e-commerce and electric vehicle markets, IATA introduced additional Li-Batt certification to ensure the safe transportation of these batteries in the global air cargo market.

The Incheon Airport Community successfully obtained IATA's CEIV Pharma certification in June 2020. The community was re-certified in September 2022.

Incheon International Airport Community Achieves World First with IATA Certification

- Certification Achievement:** Incheon International Airport Community has become the world's first to receive the Center of Excellence for Independent Validators (CEIV) Lithium Batteries (Li-Batt) certification from the International Air Transport Association (IATA).
- Previous Certifications:** The airport already holds IATA CEIV certifications in pharmaceuticals (Pharma) and perishable goods (Fresh).
- Community Formation:** The Incheon Airport Community was established in December 2022, consisting of 11 companies, including three airlines, one ground handling company, and six logistics companies.
- Certification Process:** Over five months, the community underwent comprehensive education and evaluations, resulting in successful certification for all members.
- Members:** Key members include Korean Air, Asiana Airlines, Jeju Air, Swissport Korea, DB Schenker, LX Pantos, Lotte Global Logistics, Seoul Air Cargo, Sejin Logistics, and Hyundai Glovis.
- Future Plans:** The IAC plans to collaborate with airports worldwide to ensure the safe transportation of lithium batteries.



ASIANA AIRLINES



JEJUair

swissport



SCHENKER

LX



LOTTE
GLOBAL LOGISTICS



SEOUL AIR CARGO
Air Consolidator

SEJIN
LOGISTICS CO., LTD.

HYUNDAI
GLOVIS



Airport Community Approach by Changi Airport (Singapore)



Singapore Changi Airport: Taking your pharma business further

by Changi Airport Group — November 9, 2021 in Airports 0



As a vibrant biopharma hub in the heart of Asia, Singapore is one of the top pharmaceutical importers and exporters in the region with more than US\$20 billion worth of imported and exported pharmaceutical products annually. Singapore is also the preferred gateway for the regional distribution of pharmaceutical products. Eight out of the top 10 global pharmaceutical manufacturers have facilities in Singapore, manufacturing four of the top 10 drugs by global revenue.¹

In supporting the continued development of Singapore's biopharma hub, Changi Airport Group, together with our air cargo partners, formed Pharma@Changi, the first and largest CEIV Pharma Community in Asia Pacific. Comprising stakeholders from each



Changi Airport Group to support air cargo community to co-create value

Changi Airport Group will collaborate with multiple companies to support the air cargo community and pursue CEIV Fresh certification.



Source: IATA. Changi Airport

Changi Airport cargo community to pursue CEIV Fresh certification



by Charles Kauffman — November 8, 2019 in Airports, Archive, News, Technology



Singapore's Changi Airport (SIN) today announced that a working group had been formed among the airport's cargo community to pursue the International Air Transport Association's (IATA) Center of Excellence for Independent Validators for Perishable Logistics (CEIV Fresh) certification.

The airport, together with the Civil Aviation Authority of Singapore, dnata Singapore and Singapore Airlines will shoulder certification-related costs with the aim to improve handling capabilities for perishable products at the airport. SATS, the largest handler at SIN, is pursuing CEIV Fresh certification independently of the group and expects to finish the process by April 2020.

At present, perishable cargo comprises about 13% of the airport's cargo throughput, and is a segment that continues to grow, even as other segments are down. "Although the air cargo industry has slowed down globally, it is now even more important for the Changi air cargo community to be connected and build a stronger partnership through collaboration," said Lim Ching Kiat, managing director of air hub development at Changi Airport Group. "As a community, we can leverage on synergies and co-create new solutions. This will enable the Singapore air cargo hub to strengthen our competitive edge and better serve our customers globally."

Standards for the IATA CEIV Fresh program are based on IATA's Perishable Cargo Regulations (PCR), and are designed to ensure the safety of perishable food products through standardization of handling and transport operations. The new certification was launched earlier this year at the World Cargo Symposium in Singapore.

Although SIN was the first airport in Asia to obtain IATA's CEIV Pharma certification, Hong Kong International Airport (HKG) was the first airport in Asia (and the world) to be CEIV Fresh-certified, as IATA's launch partner of the program.

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Airport Community Approach by Narita Airport (Japan)



NEWS RELEASE



2022年12月20日

「CEIV Pharma」成田空港で第2弾の認証取得

航空輸送から陸上輸送まで一貫した輸送品質認証を受けた日本唯一のコミュニティが14社に拡大

成田国際空港株式会社は、当空港で国際航空輸送に携わる事業者とともに「成田空港コミュニティ」を結成し、医薬品航空輸送品質認証制度「CEIV Pharma」の第2弾となる認証取得を目指して取り組んでいましたが、この度、全6社の認証取得が完了いたしました。

成田空港は、IATA（International Air Transport Association；国際航空運送協会）から、医薬品の国際航空輸送において世界最高水準の品質を提供できる空港として、「CEIV Pharma パートナーエアポート」の認定を受けており、日本で唯一、航空輸送から陸上輸送までのサプライチェーン全体（航空会社・グランドハンドリング会社・フォワーダー・陸送事業者）で一貫した輸送品質認証を受けたCEIV Pharma認証コミュニティを運営しています。今回、新たに6社が加わることで、コミュニティとしての認証取得社は計14社となりました。

全国の医薬品輸入の約6割を成田空港が担っており（2021年実績）、その重要性はますます高まっています。当社は、引き続き関係事業者と協力し、更なる医薬品の輸送品質向上を目指すとともに、当空港の航空物流拠点を促進していきます。



第2弾認証取得企業：6社（五十音順）

【フォワーダー】伊藤忠ロジスティクス株式会社、株式会社近鉄エクスプレス
三井倉庫エクスプレス株式会社、三井倉庫株式会社
【陸送事業者】佐川急便株式会社、西濃運輸株式会社



NAA 成田国際空港株式会社

〒282-8601 千葉県成田市成田国際空港内NAAビル
URL: <https://www.narita-airport.jp/>

NEWS RELEASE



2025年3月7日

成田空港コミュニティが「CEIV Lithium Batteries」認証を取得

日本初の空港コミュニティとして「CEIV Pharma」に続く2つ目のCEIV認証取得

成田国際空港株式会社は、成田空港で国際航空輸送に携わる関係事業者とともにコミュニティを結成し、IATA（国際航空運送協会）の提唱するリチウム電池の航空輸送品質認証「CEIV Lithium Batteries」の取得を目指して取り組んでいましたが、この度、コミュニティ参加企業全5社の認証取得が完了しました。あわせて、当空港がIATAから日本初となる「CEIV Lithium Batteries パートナーエアポート」として認定されました。

これにより、コミュニティ参加企業はリチウム電池を安全に輸送できる事業者として認められ、当空港は安全の保証された高品質なサプライチェーンを提供できる空港として認められたこととなります。

当空港では、IATAが策定した4つのCEIV認証のうち、Pharma（医薬品）に続く空港コミュニティによる認証取得及びパートナーエアポート認定となりました。

当社は、引き続き関係事業者と協力し、特殊貨物の取り扱い品質の更なる向上を目指すとともに、当空港の航空物流拠点を促進してまいります。



参加企業（全5社）

【航空会社】

- 日本航空株式会社

【フォワーダー】

- 西日本鉄道株式会社

- 株式会社日新

- 三井倉庫エクスプレス株式会社

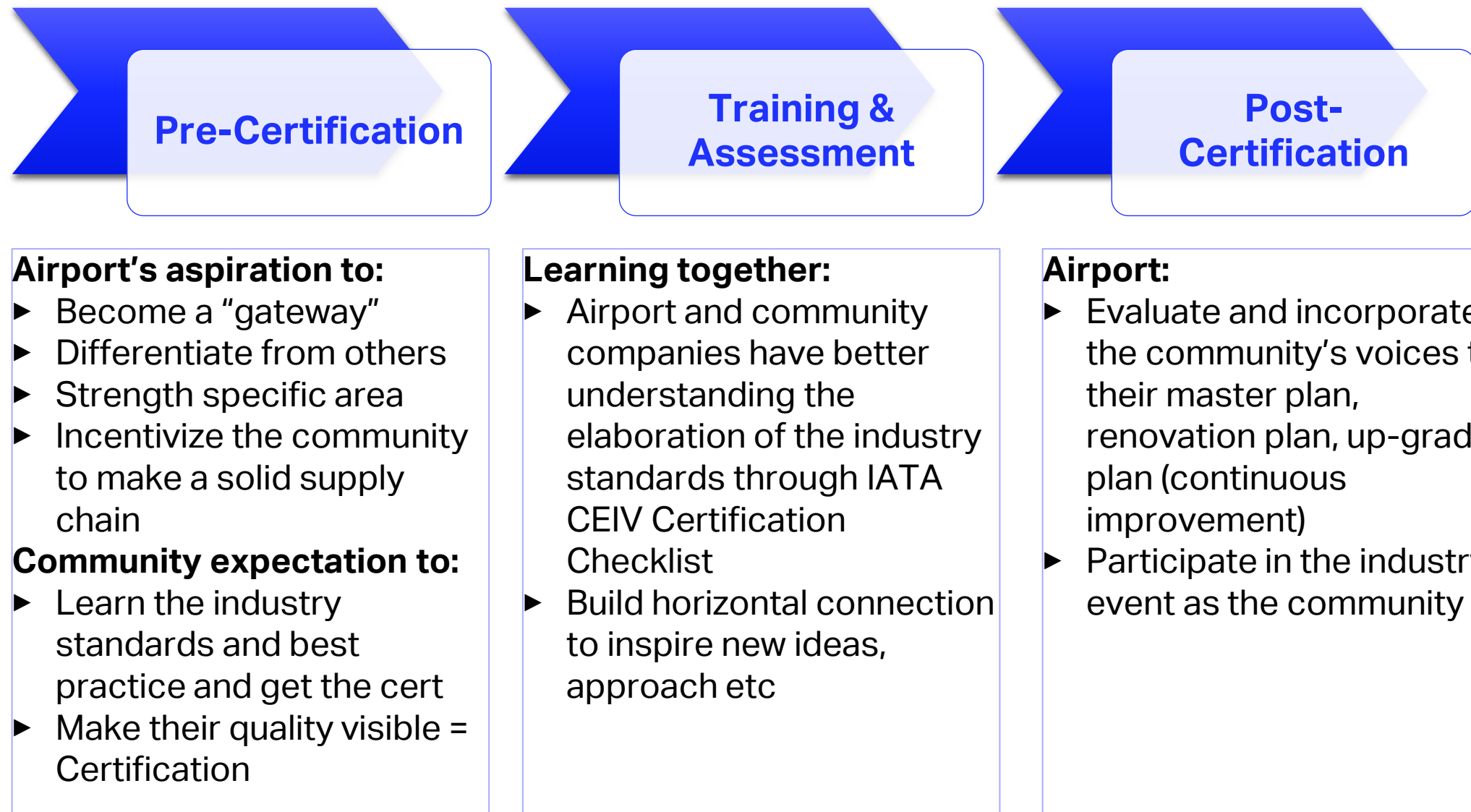
- 三井倉庫サプライチェーンソリューション株式会社

NAA 成田国際空港株式会社

〒282-8601 千葉県成田市成田国際空港内NAAビル
URL: <https://www.narita-airport.jp/>



Community Approach - Journey



CEIV Certification History & Customer Feedback



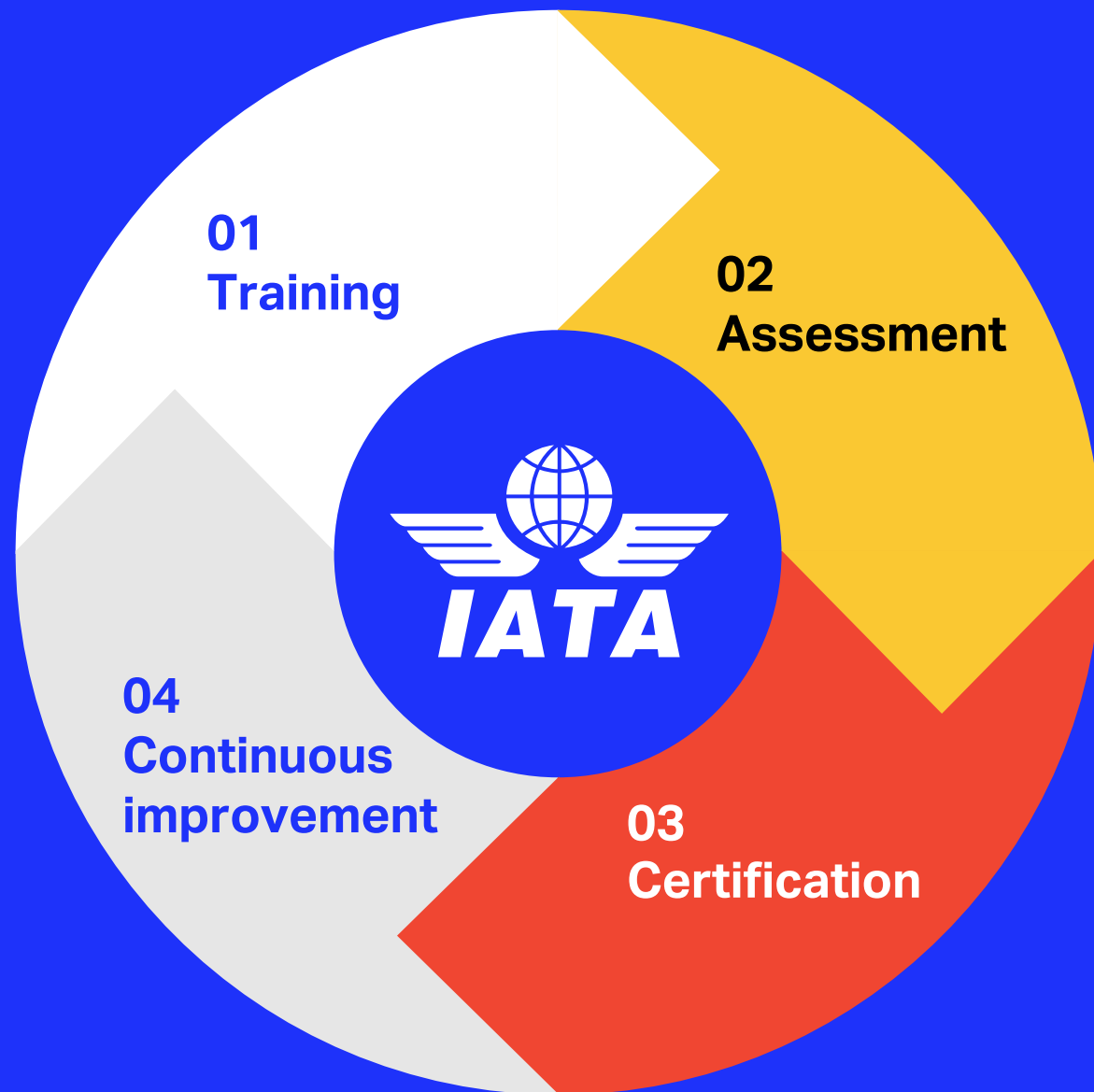
CEIV Marks 10 Years of Improving Across Air Cargo Supply Chain Performance





Certification

**CEIV process
enables and drive
continuous
improvement.**



700+

Certified companies
representing a significant portion
of the global air cargo volume



250K

Secured trade lanes ensuring that specialized cargo is handled with the utmost care across a vast network



10K

Trained workforce are equipped with the knowledge and skills to manage cargo operations



2.5K

Assessment delivered ensured that companies meet the requirements, leading to higher standards of quality and safety.



98%

Customer satisfaction with
very positive feedback about
the audit process and the
auditor expertise

*"the auditor was very **professional** during the whole audit process, he also helped us with corrective actions even after the audit ended. We are very grateful for his insights."*

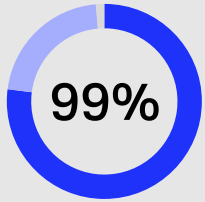
"Highly experienced auditor, fair and reasonable"

"We received a professional, reasonable, knowledgeable audit."

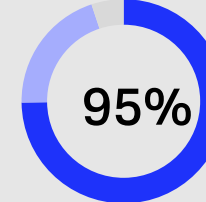
"Deep knowledge of the topic allowing us to clearly identify in the process the benefits of the audit"

*"The Auditor was great. It was a very **thorough** and professional audit but managed so that it never felt too onerous. All findings raised were valid and will allow us to improve our QMS"*

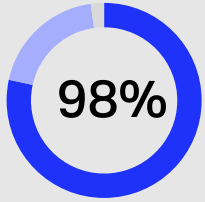
IATA Certification has helped my organization to:



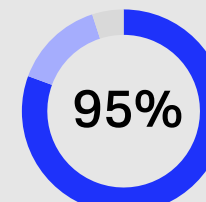
drive a culture of continuous improvement



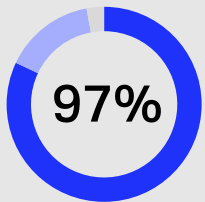
mitigate risks



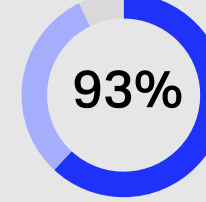
improve processes & efficiencies



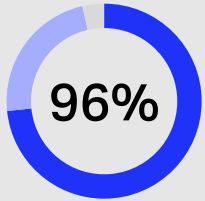
obtain credibility and trust



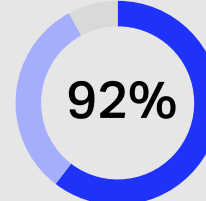
comply with regulations



identify opportunities for growth



continually improve results



foster collaboration



Certification

99%

Certification renewals rate
reflects the value and trust it
brings to air cargo

