



ICAO



ICAO AVIATION CLIMATE WEEK 2026

MONTRÉAL, CANADA | 2 - 4 JUNE



Session 10 part 1:

Implementing Aviation's Global Market-based Measure



**Tetsuya
Tanaka**

Acting Deputy Director,
Environment and Cleaner Energy,
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Moderator



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**Dr. Philippe
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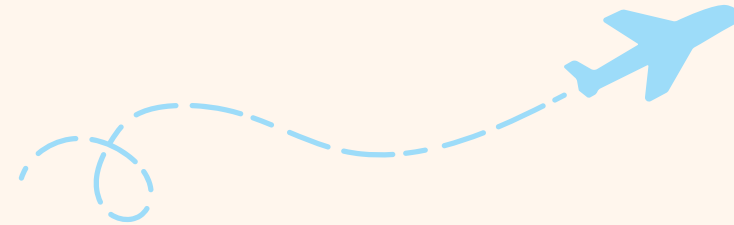
Founder and CEO, BlueSky

ICAO
**AVIATION CLIMATE
WEEK 2026**

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Session 10 part 1: Implementing Aviation's Global Market-based Measure

Snapshot of **ICAO** Progress



Manuel Caballero Alarcon

Environment Officer (Market-Based Measures)

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AVIATION CLIMATE
WEEK 2026
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CORSIA

2016 – 2026

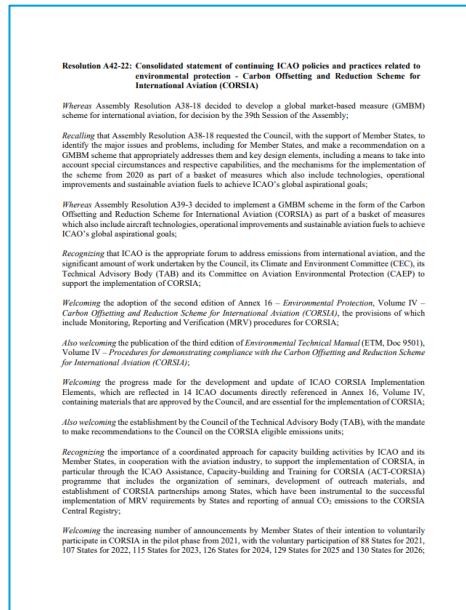
Celebrating 10 years of the agreement on CORSIA



The 39th Session of the ICAO Assembly adopted CORSIA as the **first global MBM scheme** for any industry sector

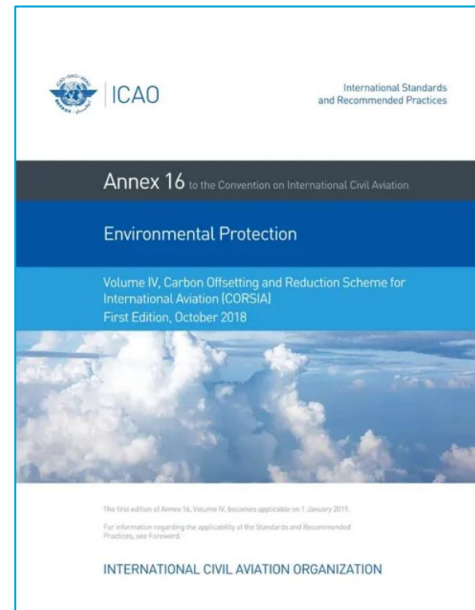
CORSIA Implementation Package

Assembly Resolution A42-22



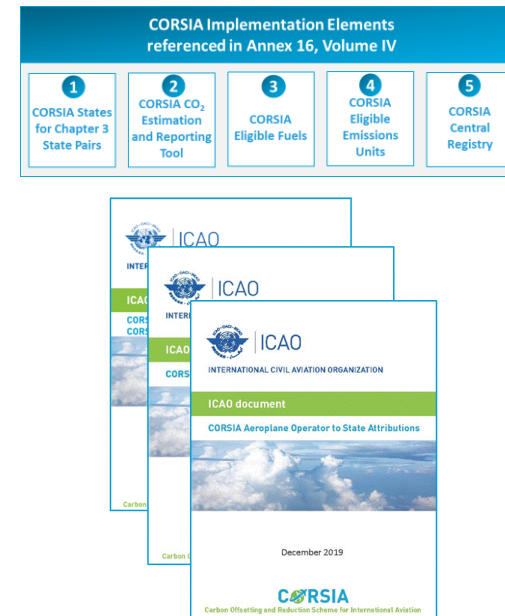
(overall ICAO policy on CORSIA)

Annex 16, Volume IV



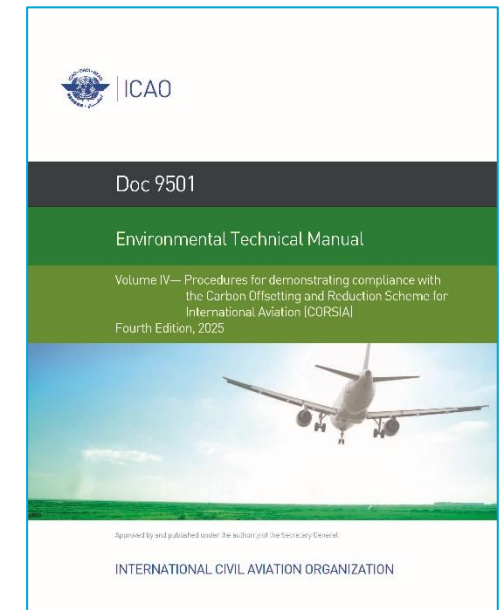
(Standards and Recommended Practices)

CORSIA Implementation Elements and related ICAO documents



(essential information for CORSIA implementation)

Doc 9501 (ETM), Vol. IV



(guidance for the implementation of the SARPs)

CORSIA Phased implementation

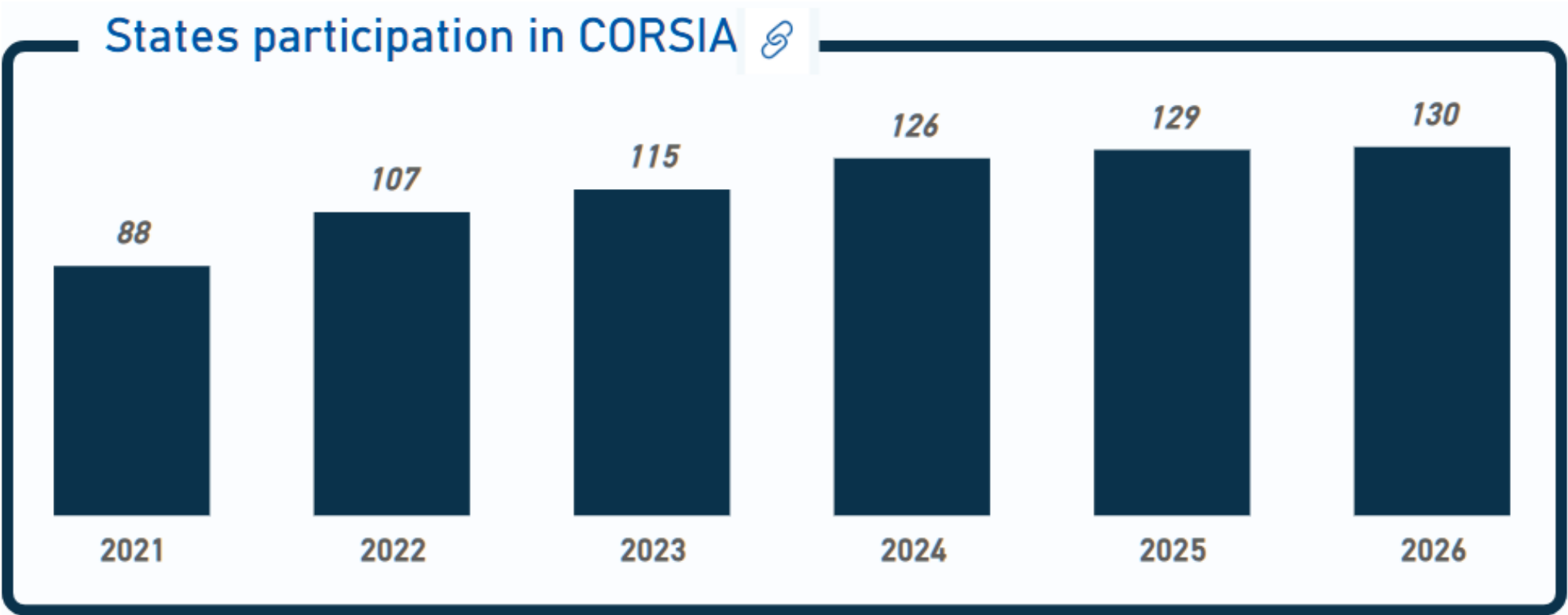


Second phase participation criteria:

- Cumulative 90% of global 2018 RTK
- Individual 0.5% of 2018 RTK
- Voluntary participation

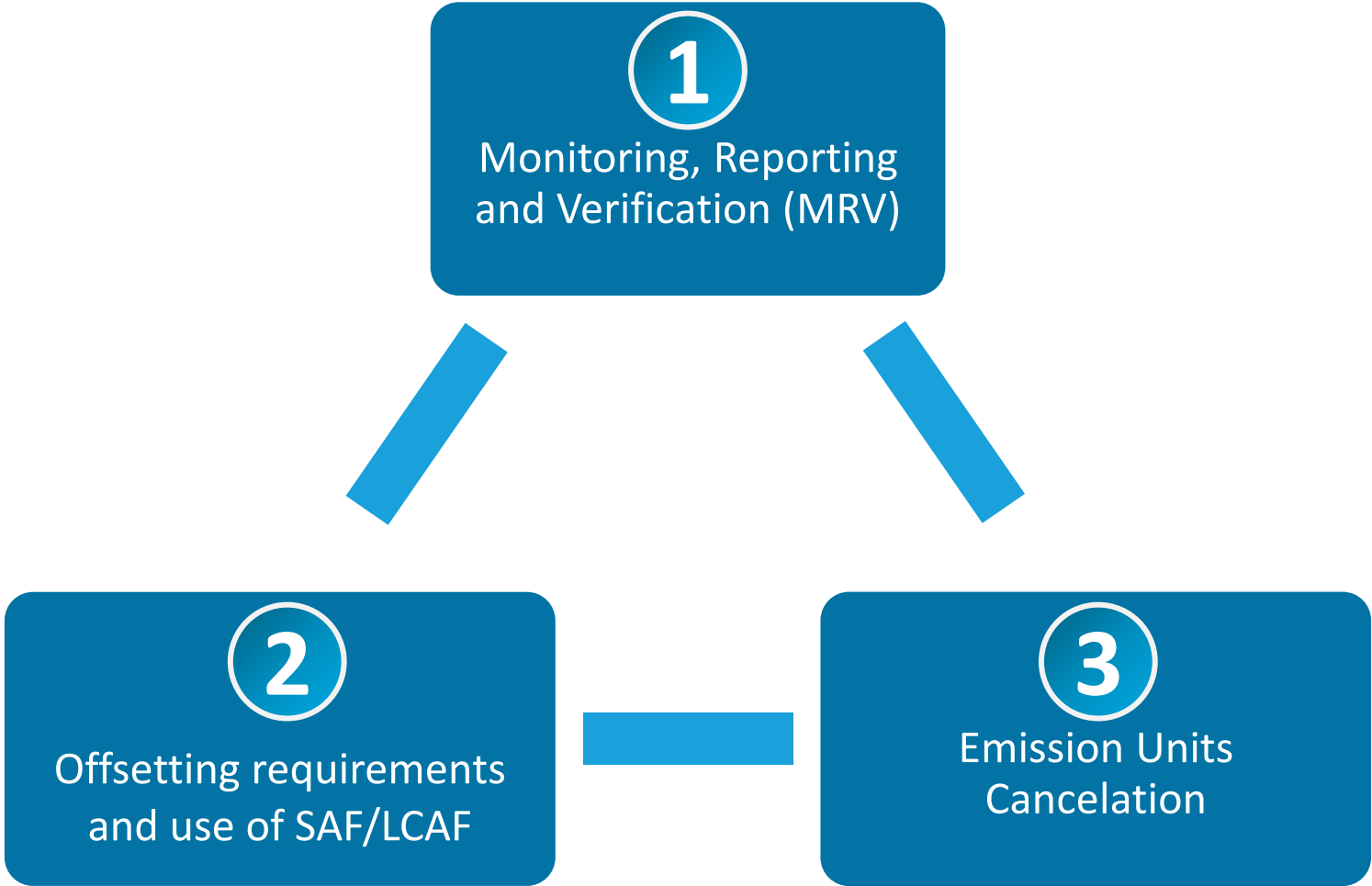
Exemptions:
LDCs, LLDCs, SIDS

CORSIA Participating States

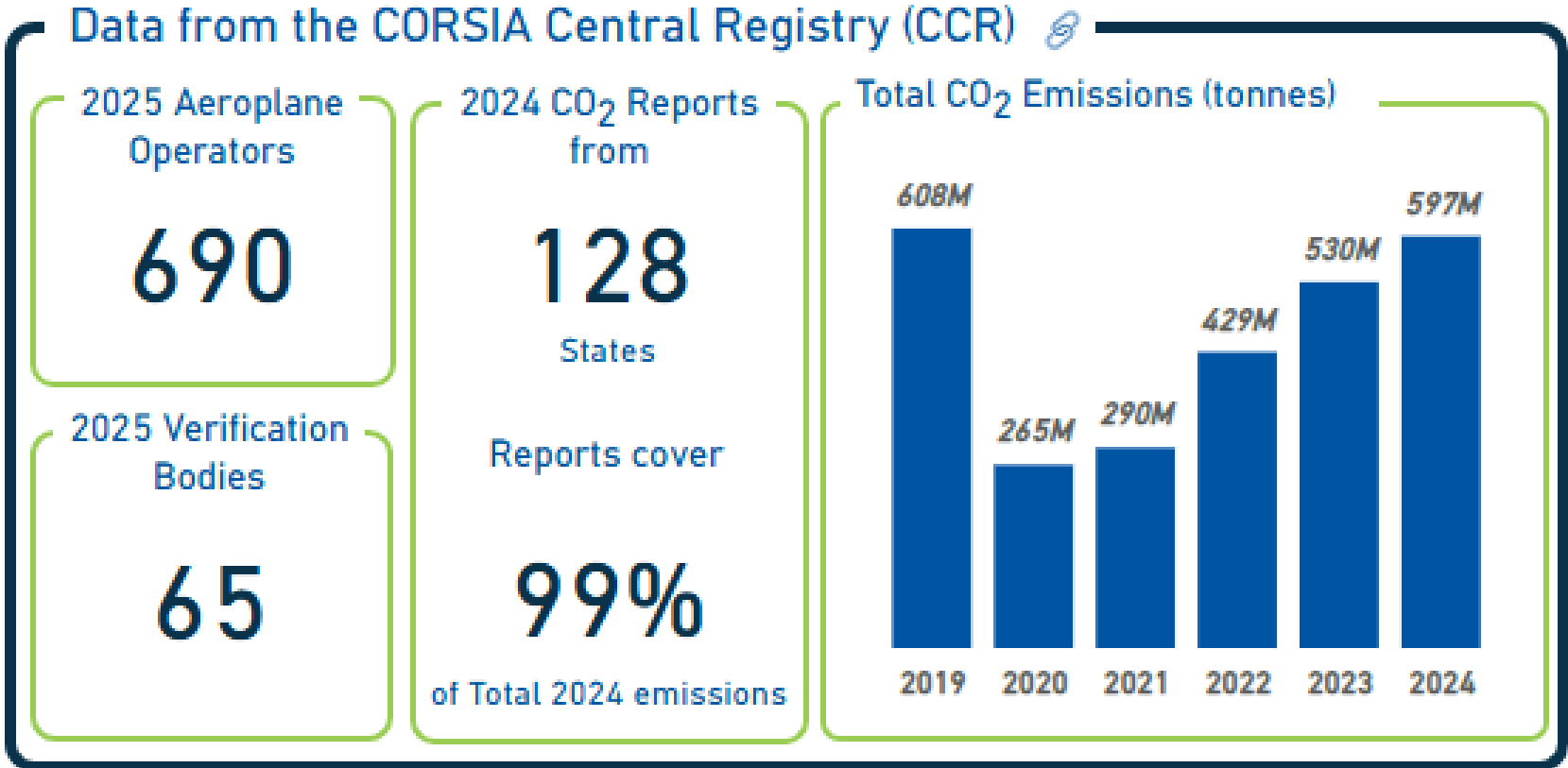


More information available at: <https://www.icao.int/CORSIA/corsia-states-chapter-3-state-pairs>

CORSIA Structure



Overview of the Implementation of the CORSIA MRV System

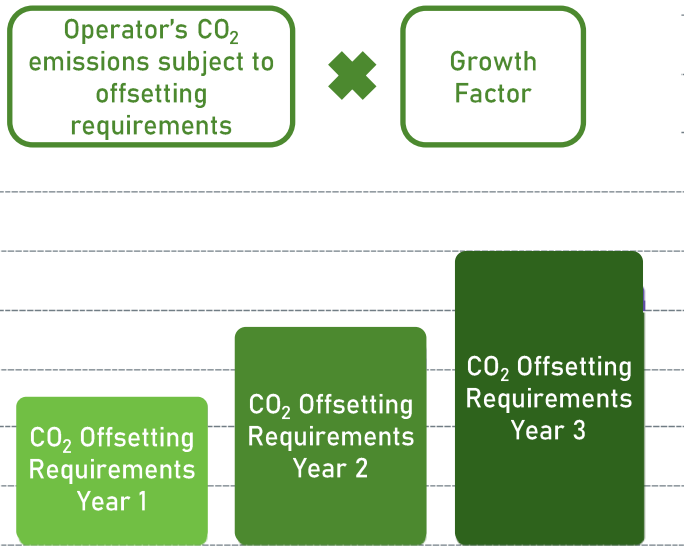


In 2024, CORSIA’s Annual Sector Growth Factor was greater than zero for the first time since the start of CORSIA implementation ($SGF_{2024}=0.15405257$)

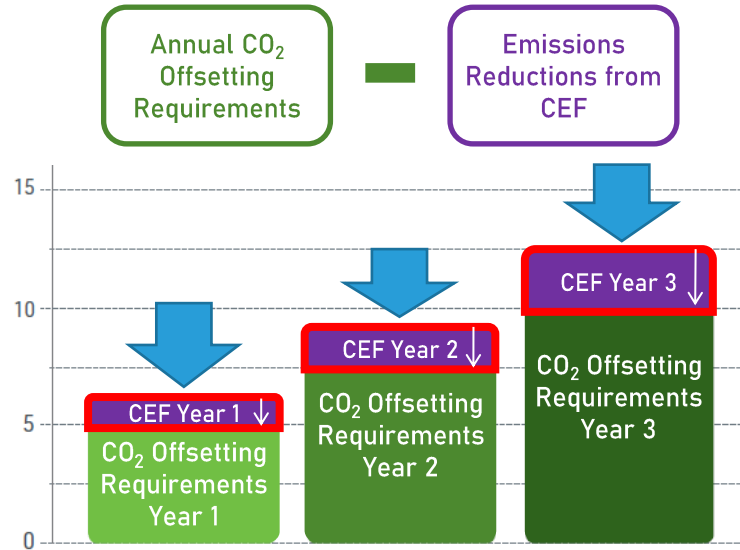
CORSIA Eligible Fuels

An aeroplane operator can reduce its CORSIA offsetting requirements by claiming emissions reductions from the use of CORSIA Eligible Fuels (CEF)

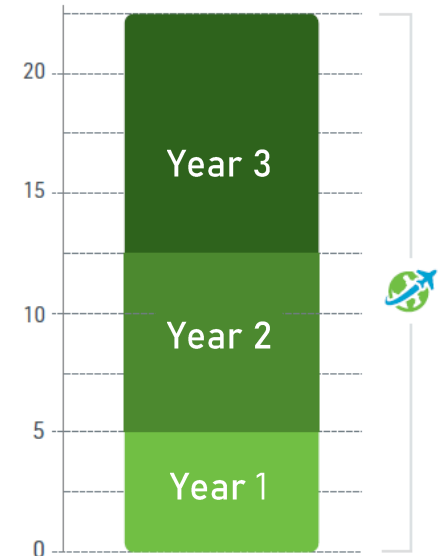
① **CO₂ Offsetting Requirements** calculated by the State for each year



② Emissions reductions claimed from the use of **CORSIA Eligible Fuels (CEF)**



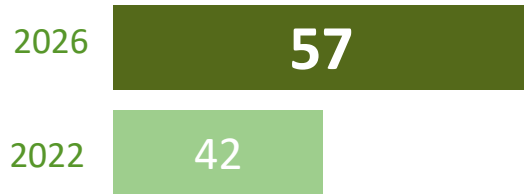
③ **Total Final CO₂ Offsetting Requirements** for a 3-year Compliance Period



- CORSIA eligible fuels (CEFs) can be used by an operator to reduce its offsetting requirements.
- CEFs are either CORSIA sustainable aviation fuels (SAF) or CORSIA lower carbon aviation fuels (LCAF).
- CEF needs to be certified based on the CORSIA Sustainability Criteria, including its life-cycle emissions values, by 10 an approved Sustainability Certification Scheme (SCS).

CORSIA Eligible Fuels

Feedstocks recognized in CORSIA



Regionally-available feedstocks are being recognized under CORSIA
Facilitate production of SAF in all ICAO regions
Accelerated approval procedures in place



<https://www.icao.int/CORSIA/feedstocks>

- **Extensive standard updates in 2025**
 - Electricity Sourcing
 - Carbon capture and Storage
 - Soil Carbon Accumulation
 - Multicropping

- Ongoing evaluation of **fourth SCS (Bonsucro)**

- Ongoing evaluation of **LCAF certification (ISCC)**

ICAO document	ICAO document	ICAO document	ICAO document	ICAO document
CORSIA Eligibility Framework and Requirements for Sustainability Certification Schemes	CORSIA Approved Sustainability Certification Schemes	CORSIA Sustainability Criteria for CORSIA Eligible Fuels	CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels	CORSIA Methodology for Calculating Actual Life Cycle Emissions Values
June 2025	October 2024	June 2025	November 2025	November 2025
CORSIA Eligibility Framework and Requirements for Sustainability Certification Schemes	CORSIA Approved Sustainability Certification Schemes*	CORSIA Sustainability Criteria for CORSIA Eligible Fuels**	CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels***	CORSIA Methodology for Calculating Actual Life Cycle Emissions Values
Fourth Edition, June 2025	Third Edition, October 2024	Fourth Edition, June 2025	Eighth Edition, November 2025	Seventh Edition, November 2025

<https://www.icao.int/CORSIA/CORSIA-eligible-fuels/>

CORSIA Eligible Fuels

CORSIA Eligible Fuels Dashboard

(available at <https://www.icao.int/CORSIA>)



CORSIA Implementation Overview
Certified CORSIA Eligible Fuels
CORSIA Eligible Emissions Units

Certified CORSIA Eligible Fuels

(reported to ICAO by CORSIA approved Sustainability Certification Schemes)

click for more CEF information

Total CEF Certified

Year	Tonnes of CEF
2022	0.00M
2023	0.01M
2024	0.18M

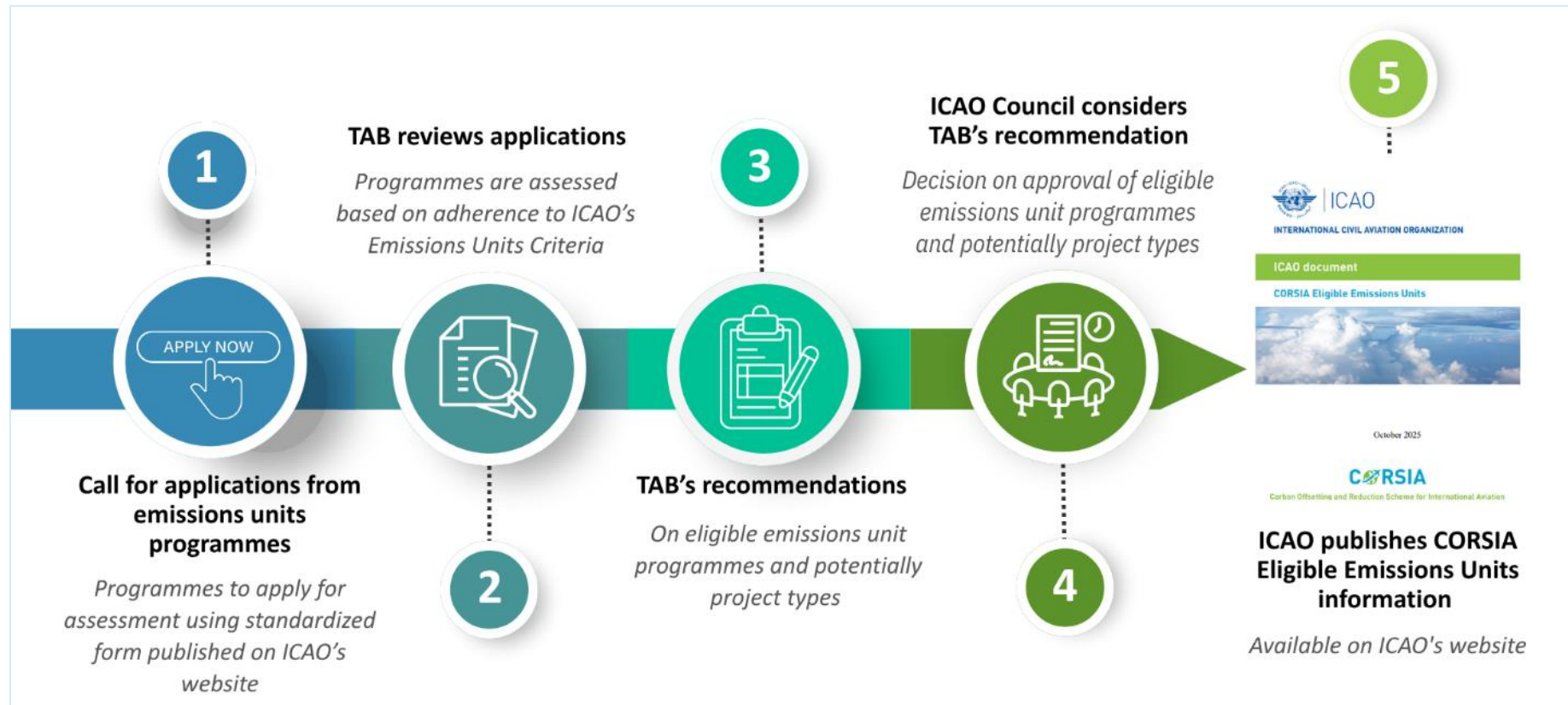
Production Year: 2024

State	Scheme	Feedstock	Conversion process	Mass produced (tonnes)
China	RSB	UCO	HEFA	945
Republic of Korea	ISCC	UCO	Coprocessing HEFA	4
Singapore	ISCC	UCO	HEFA	5,893
United States of America	ISCC	Tallow	HEFA	65,605
United States of America	ISCC	Technical Corn Oil	HEFA	86
United States of America	RSB	Tallow	HEFA	108,730
Total				181,263



CORSIA Eligible Emissions Units

ICAO process for approval of CORSIA Eligible Emissions Units



CORSIA Eligible Emissions Units

CORSIA Eligible Emissions Units Summary Table (April 2026)

Programme	2021 -2023 Compliance Period (Pilot Phase)	2024 -2026 Compliance Period (First Phase)	2027 – 2029 Compliance Period (in Second Phase)
American Carbon Registry	2016 – 2023 units ^{1,2}	2021 – 2026 units ^{1,2}	2021 – 2029 units ^{1,2}
Architecture for REDD+ Transactions	2016 – 2023 units ^{1,2}	2021 – 2026 units ^{1,2}	2021 – 2029 units ^{1,2}
BioCarbon Fund Initiative for Sustainable Forest Landscapes	2016 – 2020 units ¹	2021 – 2026 units ^{1,2}	
Cercarbono		Conditionally eligible ³	
China Certified Emission Reduction	2016 – 2020 units ¹		
Clean Development Mechanism	2016 – 2020 units ¹		
Climate Action Reserve	2016 – 2023 units ^{1,2}	2021 – 2026 units ^{1,2}	
Forest Carbon Partnership Facility	2016 – 2020 units ¹	2021 – 2026 units ^{1,2}	
Global Carbon Council	2016 – 2020 units ¹	2021 – 2026 units ^{1,2}	
Gold Standard	2016 – 2023 units ^{1,2}	2021 – 2026 units ^{1,2}	2021 – 2029 units ^{1,2}
Isometric		2021 – 2026 units ^{1,2}	
Joint Crediting Mechanism between Japan and Mongolia	Conditionally eligible ³		
SOCIALCARBON	2016 – 2020 units ¹		
Thailand Voluntary Emission Reduction Programme		2021 – 2026 units ^{1,2}	
Verra Verified Carbon Standard / Jurisdictional Nested REDD Programme	2016 – 2023 units ^{1,2}	2021 – 2026 units ^{1,2}	2021 – 2029 units ^{1,2}

Note: All Eligible Emissions Units must be generated from an activity that started its first crediting periods in 2016 or later.

¹ Subject to various exclusions as set out in the relevant section of the ICAO document titled “*CORSIA Eligible Emissions Units*”.

² Units with vintages from 2021 onward have specific requirements relating to host-Party attestations.

³ Pending further actions by the Programme.

More information available at: <https://www.icao.int/CORSIA/corsia-eligible-emissions-units>



(available at <https://www.icao.int/CORSIA>)

CORSIA Implementation Overview

CORSIA Certified Eligible Fuels

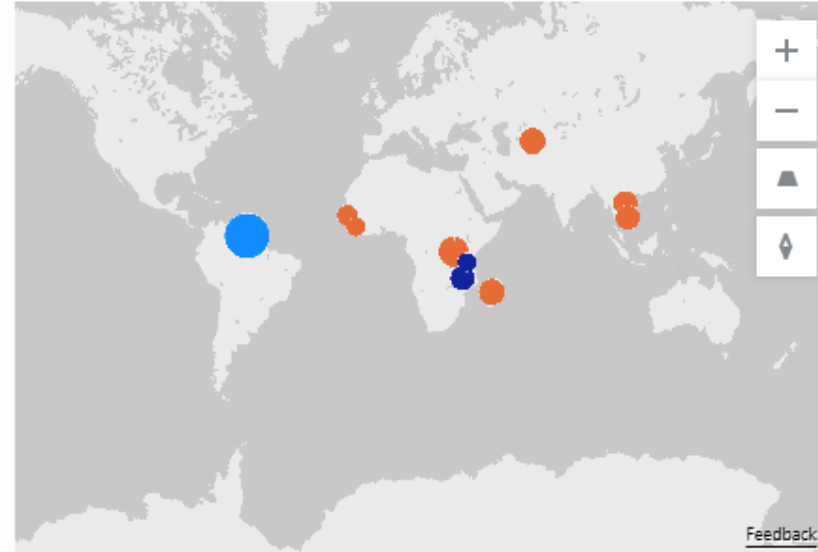
CORSIA Eligible Emissions Units

CORSIA Eligible Emissions Units

click for more CEEUs information

(Issued by Programme Registries) – As of May 28, 2026

Host Country	Program Registry	Quantity of CEEUs (tonnes)
Cambodia	VCS	1,275,362
Gambia	VCS	196,652
Guyana	ART	24,963,214
Lao	VCS	1,276,305
Madagascar	VCS	2,280,812
Malawi	GS	1,376,880
Rwanda	GS	51,199
Rwanda	VCS	4,577,464
Sierra Leone	VCS	2,078
Tanzania	GS	2,806
Uzbekistan	VCS	1,568,083
Total		37,570,855



Program Registry ● ART ● GS ● VCS

The information presented here is the amount of [CORSIA Eligible Emissions Units \(CEEUs\)](#) that have been issued by those emissions unit programmes approved by the ICAO Council to supply CEEUs for the CORSIA first phase (2024 – 2026 compliance period), extracted directly from public websites of the programmes' registries.

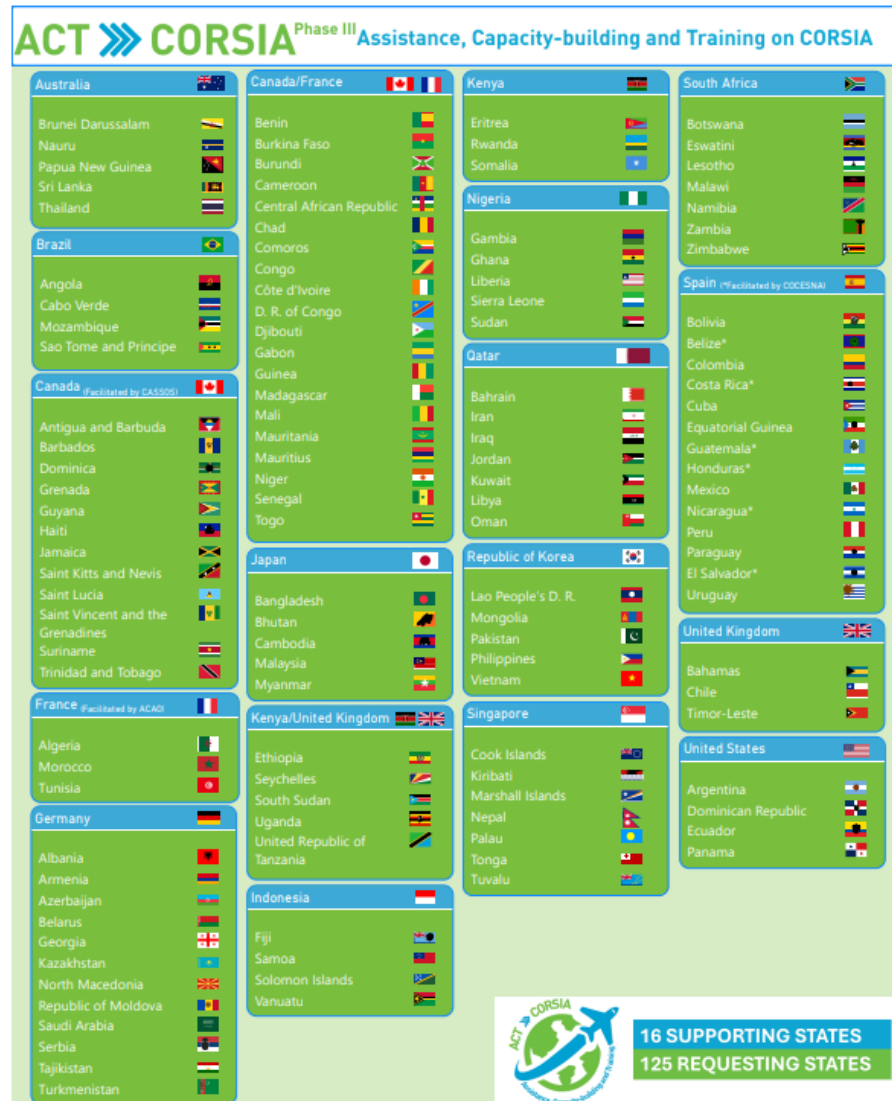
The quantities refer to units **verified, issued and labelled as CORSIA eligible by the programmes**, which may be used to comply with CORSIA offsetting requirements. The labelled units meet CORSIA criteria on avoidance of double claiming (e.g. Letter of Authorization by the host country). Some of the units may have already been cancelled in the programmes' registries. The quantity of CEEUs does not include any forecasted/in the pipeline units linked to a published Letter of Authorization by the host country.

Aeroplane Operators should contact the programmes directly for information on the market availability of those CEEUs.



CORSIA-Related Capacity-Building and Outreach Activities

ACT-CORSIA Buddy Partnerships



ICAO Global Aviation Training Programme

- CORSIA Verification Course
(updated in March 2026)
- Three CORSIA-specific workshops
(available in the second half of 2026)
 - CORSIA Overview
 - CORSIA Eligible Fuels
 - CORSIA Eligible Emissions Units

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Global trust starts with **Global ACI** coordinating accreditation practices worldwide.

ICAO CORSIA

Accreditation & Verification Bodies

14th Edition · February 2026

CORSIA Central Registry — Part I

65

VBs

29

ABs

37

VB States

MRA Signatory Coverage

Verification bodies covered under each Mutual Recognition Arrangement scope



35

52% of all VBs

**Global ACI MRA
(ICAO CORSIA)**

ICAO CORSIA Level 5 signatory



57

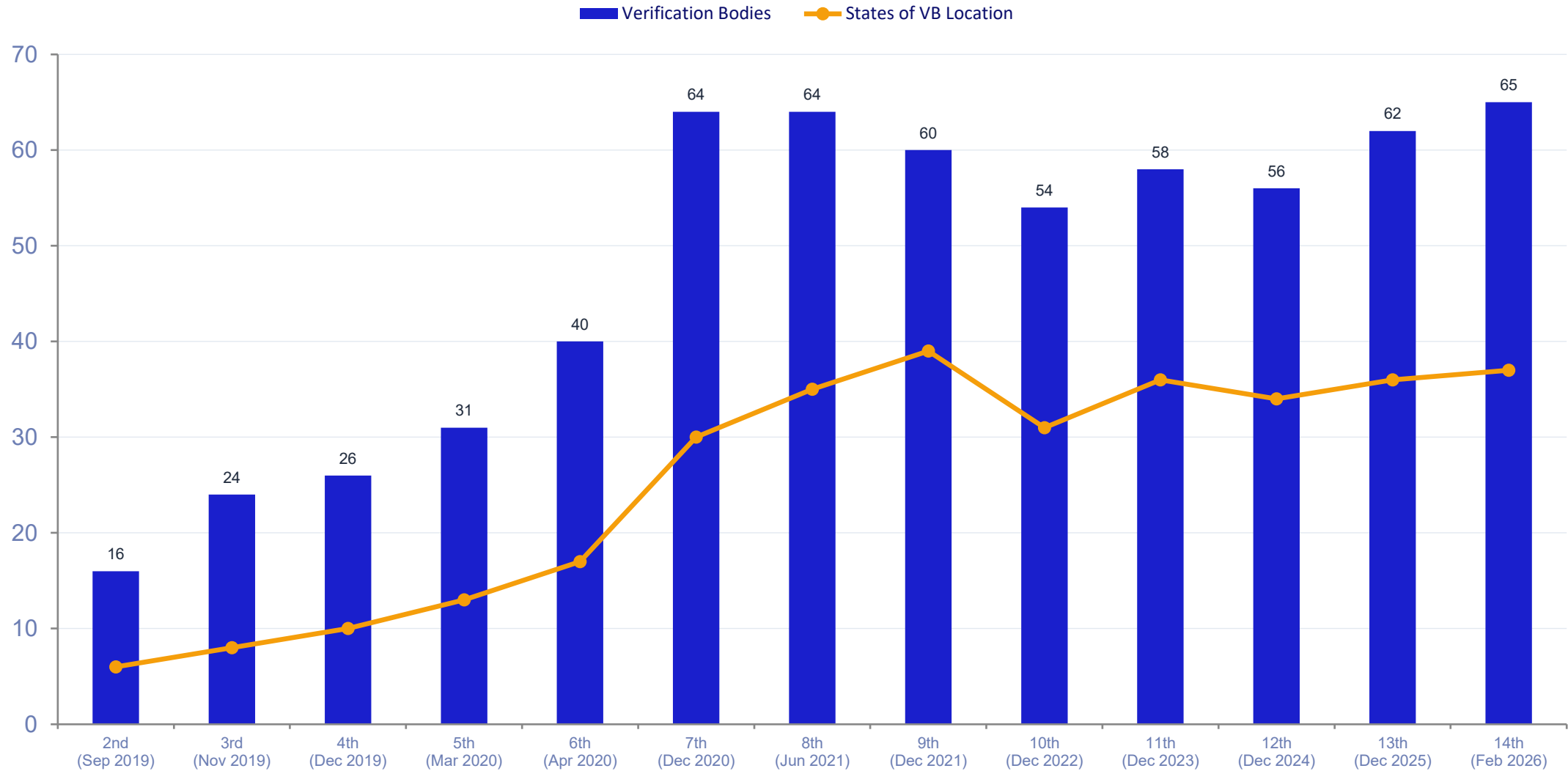
85% of all VBs

**Global ACI MRA
(ISO 14065)**

Main scope signatory

Growth of Verification Bodies & States of VB Location

Number of verification bodies and states where VBs are located, across all editions · 2nd–14th Edition



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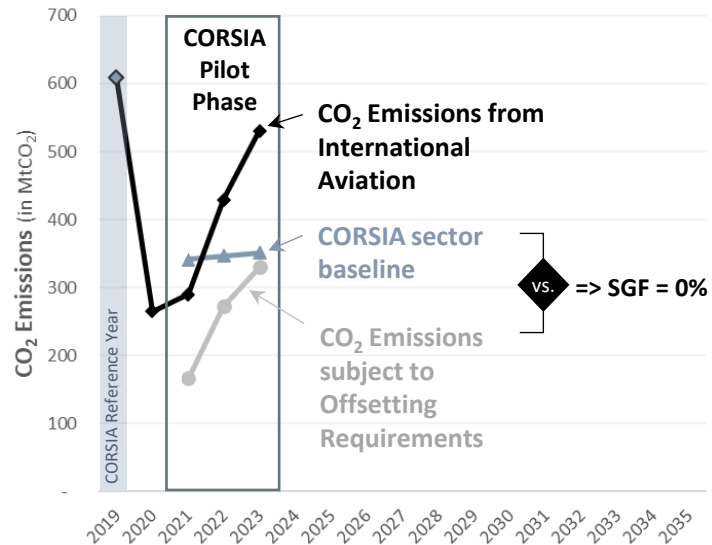
Founder and CEO, BlueSky

2025 CORSIA Periodic Review

1

Review of CORSIA's Pilot Phase (2021-2023)

- Offsetting was not required during the Pilot Phase.

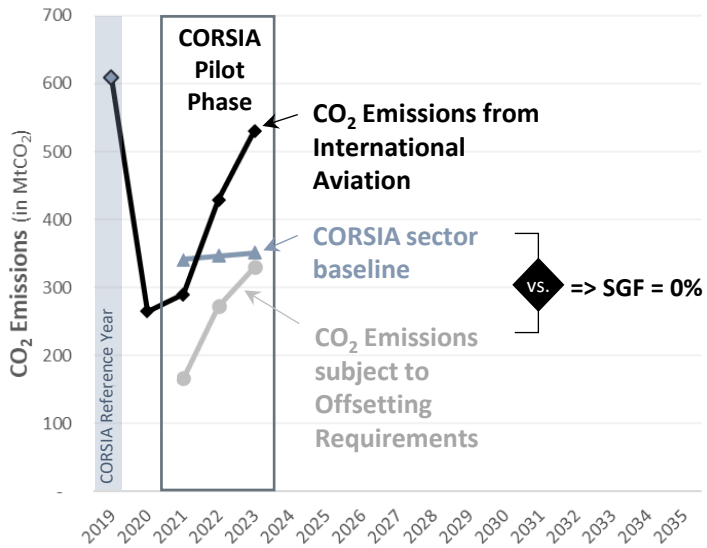


- Despite the absence of offsetting requirements, markets started to develop and prepare to meet future expected demand for emissions reductions from CORSIA eligible fuels and CORSIA emissions units.

2025 CORSIA Periodic Review

1 Review of CORSIA's Pilot Phase (2021-2023)

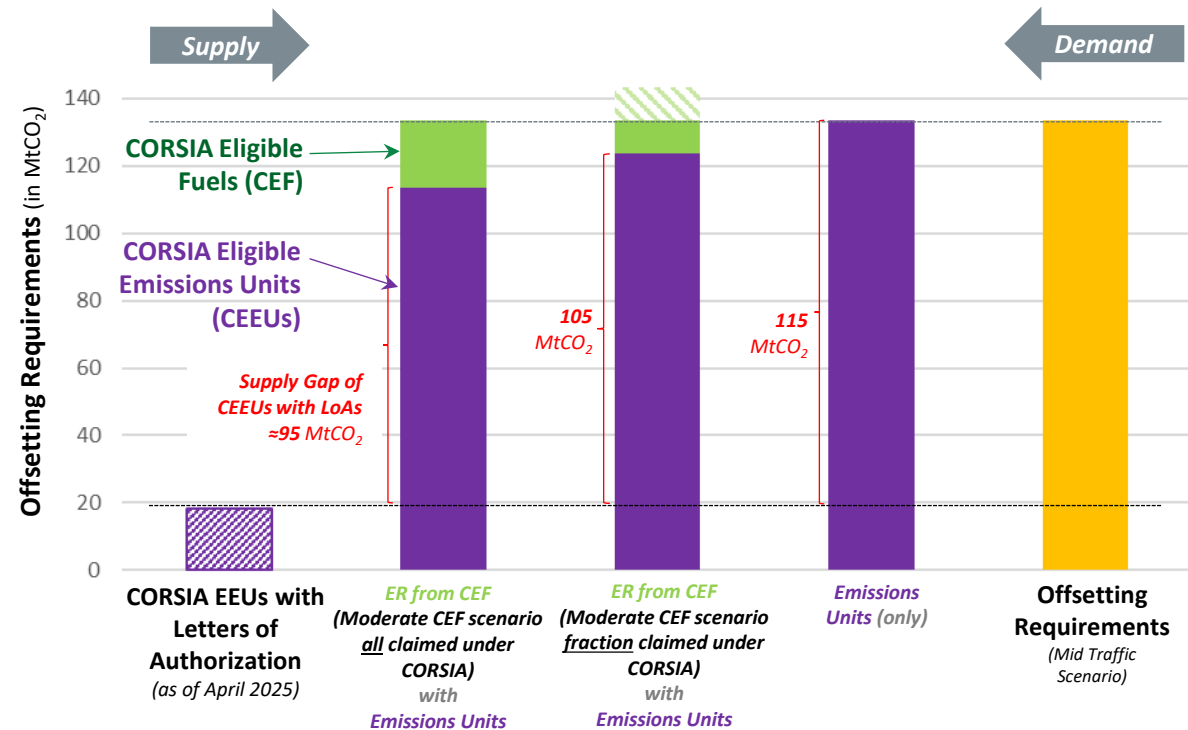
- Offsetting was not required during the Pilot Phase.



- Despite the absence of offsetting requirements, markets started to develop and prepare to meet future expected demand for emissions reductions from CORSIA eligible fuels and CORSIA emissions units.

2 Updated forward-looking assessments through 2035 with a focus on the First Phase (2024-2026)

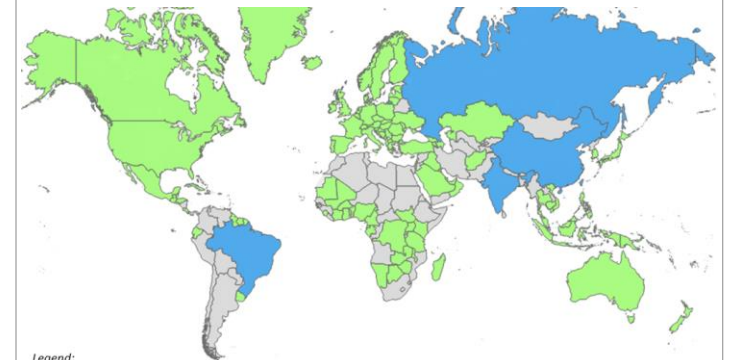
- Expected start of offsetting in 2024.
- Started to identify a potential gap between demand and the supply of CORSIA Eligible Emissions Units (CEEUs) with Letters of Authorization (LoAs).



2028 CORSIA Periodic Review

② Updated forward-looking assessments with a focus on the 2nd Phase (2027-2030)

- **Transition to the 2nd Phase with 4 additional States joining in 2027.**



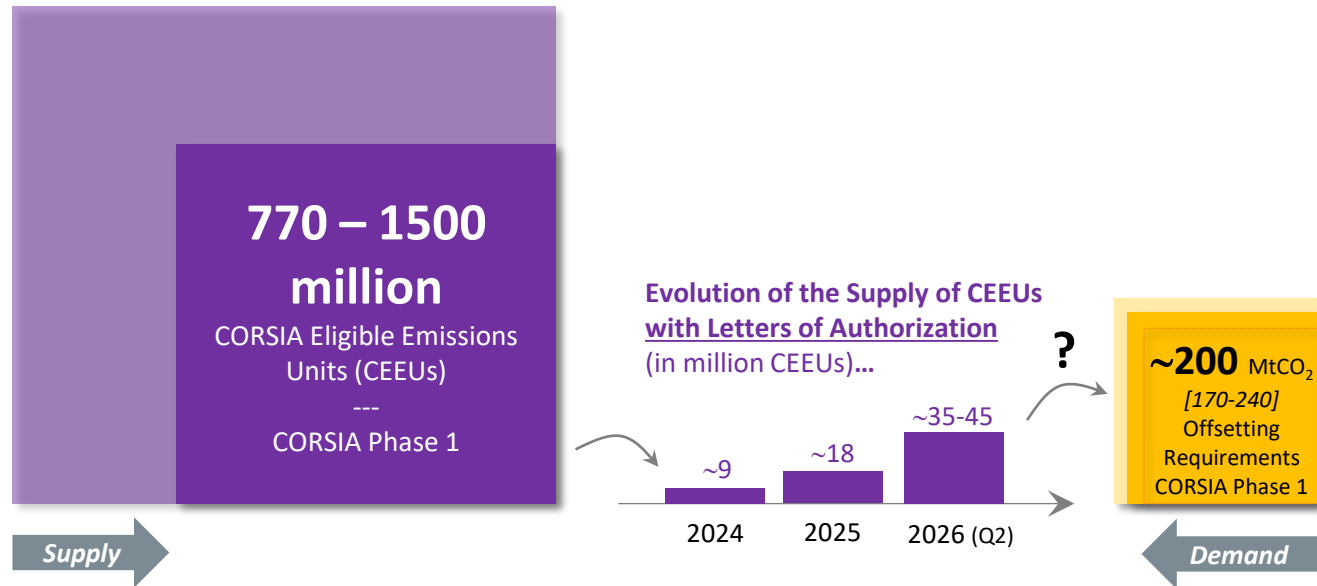
Legend:
■ State that announced voluntary participation for 2026
■ States expected to join in Phase 2 based on A39-3 criteria (and 2018 RTK data)
■ Excepted States

- **Harmonized implementation of CORSIA in accordance with Annex 16 Volume IV.**
- **Implications on demand, supply, price, and cost of compliance.**

2028 CORSIA Periodic Review

1 Review of CORSIA's First Phase (2024-2026)

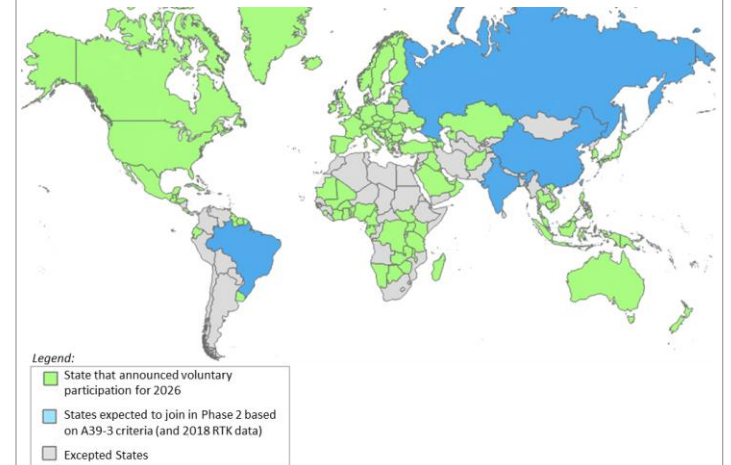
- CORSIA Phase 1: Supply & Demand Challenge



- The supply of CEEUs with Letters of Authorization (LoAs) need to meet/exceed the demand in time for the reporting of Cancelled CEEUs in February 2028.

2 Updated forward-looking assessments with a focus on the 2nd Phase (2027-2030)

- Transition to the 2nd Phase with 4 additional States joining in 2027.



- Harmonized implementation of CORSIA in accordance with Annex 16 Volume IV.
- Implications on demand, supply, price, and costs of compliance.

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ICAO CORSIA Capacity Building & Local Development

Supporting growth through partnership

1

No Country Left Behind

ICAO Environment carries out a number of capacity-building and assistance activities to support States in meeting CORSIA obligations.

2

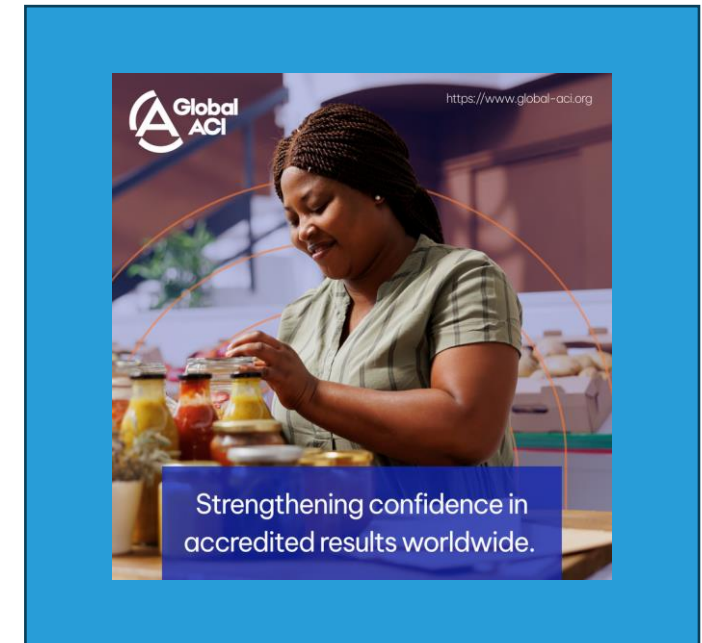
Growing Accreditation Programmes and Verifier Capacity

ICAO's involvement and cooperation with Global ACI has enabled more accreditation bodies to develop ISO 14065 programmes and to build local verification capacity.

3

Regional Growth — Africa & Latin America

Particular growth in Africa, the Asia Pacific, and Latin America.



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Thank You

