



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY





ICAO

ENVIRONMENT

CORSIA Eligible Emissions Units



Blandine Ferrier
Chinga Mazhetese

Environment Officers, ICAO, ESAF, WACAF



Session 4 – Presentation Outline



1 CORSIA Eligible Emissions Units

2 Cancelling CORSIA Eligible Emissions Units



1 CORSIA Eligible Emissions Units

ICAO
ENVIRONMENT

CORSIA Eligible Emissions Units

- **CORSIA Implementation Element: *CORSIA Eligible Emissions Units***
 - Reflected in two ICAO documents referenced in Annex 16, Volume IV:
 1. ***CORSIA Emissions Unit Eligibility Criteria***
 2. ***CORSIA Eligible Emissions Units***
 - Both ICAO documents have been approved by the ICAO Council
 - » *CORSIA Emissions Unit Eligibility Criteria*: <https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx>
 - » *CORSIA Eligible Emissions Units* : <https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx>

- **CORSIA Eligible Emissions Units are determined by the ICAO Council, upon recommendation of the Technical Advisory Body (TAB)**
- **CORSIA Eligible Emissions Units meet the CORSIA Emissions Unit Criteria (EUC)**



The CORSIA EUC used to assess the eligibility of emissions units focusing on:

Programme Design Elements Assessment Criteria

Clear Methodologies and Protocols, and their Development Process

Scope Considerations

Offset Credit Issuance and Retirement Procedures

Identification and Tracking

Legal Nature and Transfer of Units

Validation and Verification procedures

Program Governance

Transparency and Public Participation Provisions

Safeguards System

Sustainable Development Criteria

Avoidance of Double Counting, Issuance and Claiming

Carbon Offset Credit Integrity Assessment Criteria

Are additional

Are based on a realistic and credible baseline

Are quantified, monitored, reported, and verified

Have a clear and transparent chain of custody

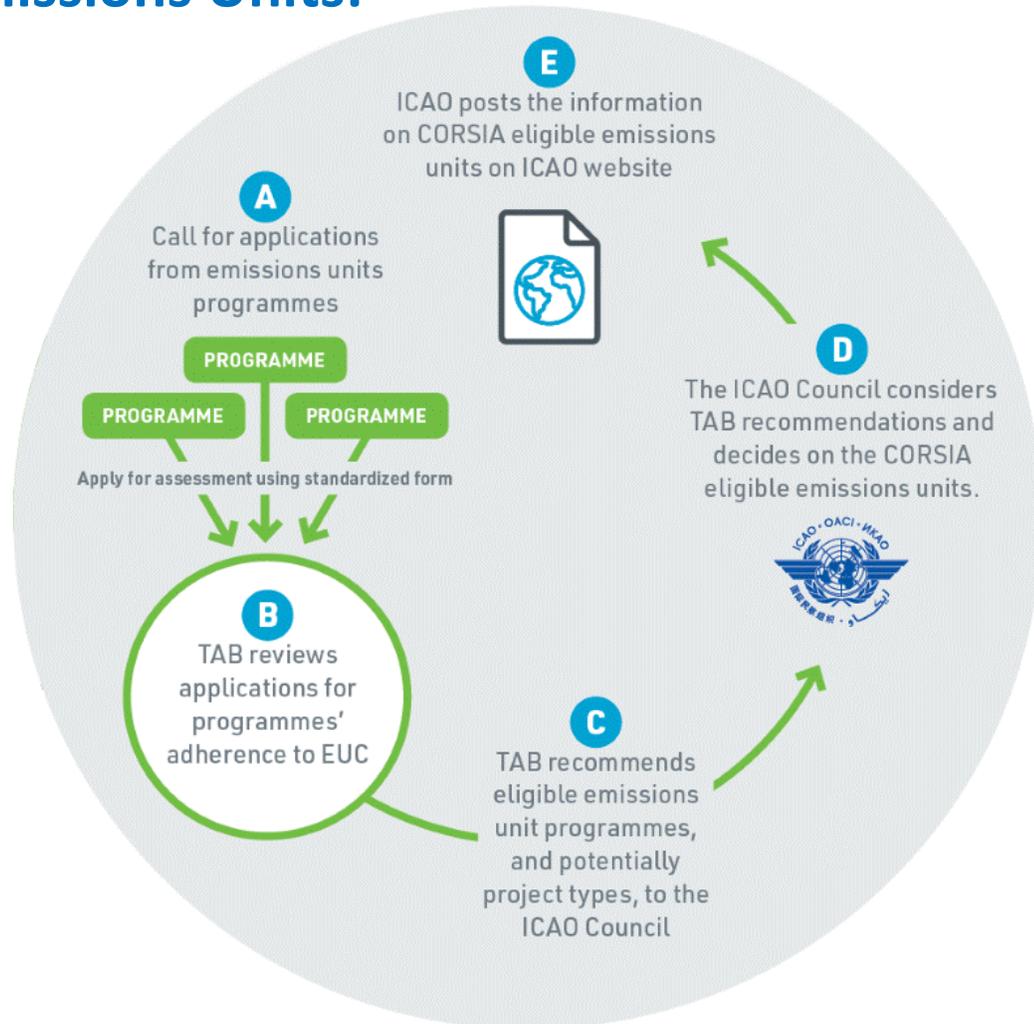
Represent permanent emissions reductions

Assess and mitigate against potential increase in emissions elsewhere

Are only counted once towards a mitigation obligation

Do no net harm

ICAO process for determining CORSIA Eligible Emissions Units:



- A. Application:** Emissions units programmes apply for consideration to be eligible for CORSIA
- B. Assessment:** An expert group, the Technical Advisory Body (TAB), reviews emissions units programmes for their adherence to the CORSIA Emissions Unit Criteria (EUC)
- C. Recommendations:** TAB makes recommendations on CORSIA eligible emissions units to ICAO Council
- D. Decision:** The ICAO Council decides on CORSIA eligible emissions units
- E. Publication:** Information on CORSIA eligible emissions units is posted on the ICAO CORSIA website



What is the Technical Advisory Body (TAB)?

- In March 2019, the ICAO Council made the following decisions:
 - Approved the Emissions Unit Criteria (EUC) to be used by the TAB
 - Established the Technical Advisory Body (TAB), consisting of 19 members nominated by their States and approved by Council
 - Approved the TAB Terms of Reference (TOR), with the tasks of the TAB:
 - » ... undertake the assessment of emissions unit programmes against the emissions units criteria
 - » ... develop recommendations on the list of eligible emissions unit programmes (and potentially project types) whose emissions units would be eligible for use under the CORSIA, for consideration by the Council
- Since its establishment, TAB completed the first (Jan 2020), second (Nov 2020), third (Sep 2021), fourth (Sep 2022) and fifth (January 2023) assessments of applicants, and submitted reports and recommendations: <https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx>

What does the TAB assess ?

Based on the Council decisions, the TAB uses the CORSIA Emissions Unit Criteria (EUC) to assess emissions unit programmes:

- An emissions unit programme administers standards and procedures
 - for developing offset projects, and
 - for verifying and “issuing” offsets (units) created by those projects
- The CORSIA Emissions Unit Eligibility Criteria (EUC) focus on programme-level standards and procedures — as such, TAB assessment focuses on programmes
- The TAB may also assess a programme’s rule-set as it pertains to specific project “types”, e.g., sectors or emissions categories

TAB does not assess offset retailers, project developers or individual projects

CORSIA Eligible Emissions Units for Pilot Phase

Until November 2022, ICAO Council considered the TAB recommendations and approved **9 Emissions Unit Programmes to supply CORSIA Eligible Emissions Units for the pilot phase (2021-2023 compliance period):**

1) American Carbon Registry 

2) Architecture for REDD+ Transactions 

3) China GHG Voluntary Emission Reduction Program 

4) Clean Development Mechanism 

5) Climate Action Reserve 

6) Forest Carbon Partnership Facility Program 

7) Global Carbon Council 

8) The Gold Standard  Gold Standard[®]
for the Global Goals

9) Verified Carbon Standard  VCS | VERIFIED
CARBON
STANDARD
A Global Benchmark for Carbon

Note:

Not all units from these programmes are eligible for use in CORSIA.

Certain emissions units from these programmes are not eligible.

*Each programme's Scope of Eligibility is described in the ICAO document: **CORSIA Eligible Emissions Units***

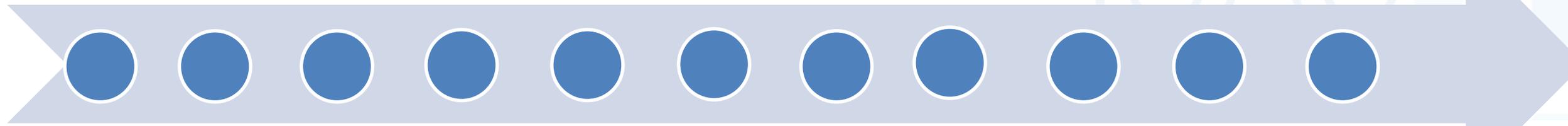
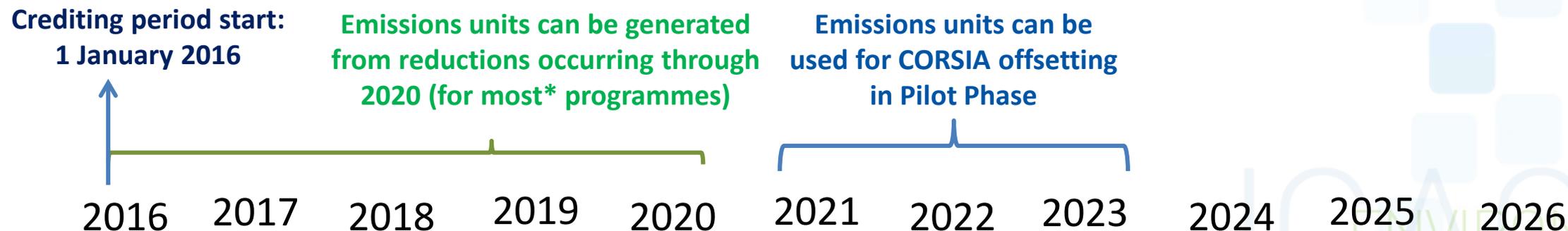
<https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx>

Eligible Unit Dates (for Pilot Phase)

The Council also approved the eligible unit dates for the CORSIA Pilot Phase (compliance period 2021 - 2023).

- CORSIA Eligible Emissions Units are issued...
 - ... to projects/activities that started their **first crediting period from 1 January 2016** and
 - ... in respect of reductions that occurred through **31 December 2020** (for most* programmes)

* For 2 programmes, in respect of reductions that occurred through 31 December 2023



CORSIA Eligible Emissions Units for First Phase

In March 2023, ICAO Council considered the TAB recommendations and approved the first **2 Emissions Unit Programmes to supply CORSIA Eligible Emissions Units for the first phase (2024-2026 compliance period):**

1) American Carbon Registry 

2) Architecture for REDD+ Transactions 

The eligible units from these programmes are from projects/activities that started their **first crediting period from 1 January 2016** and **generated from reductions occurring from 2021 to 2026**.

Note:

Not all units from these programmes are eligible for use in CORSIA.

*Each programme's Scope of Eligibility is described in the ICAO document: **CORSIA Eligible Emissions Units***

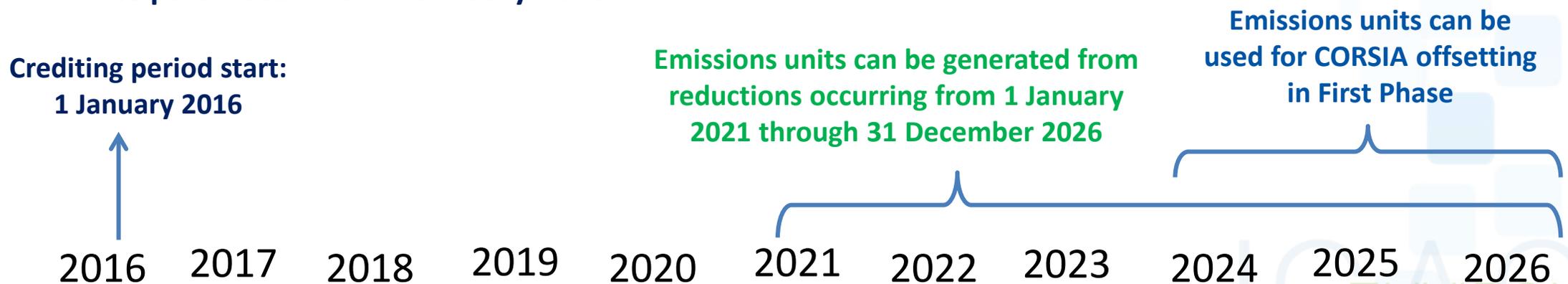
<https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx>

Eligible Unit Dates (for First Phase)

The Council also approved the eligible unit dates for the CORSIA First Phase (compliance period 2024 - 2026).

All CORSIA Eligible Emissions Units that are approved by Council for use in the first phase are issued...

- ... in respect of reductions that occurred **from 2021 through 31 December 2026**, in addition to the existing **crediting start date parameter from 1 January 2016**.

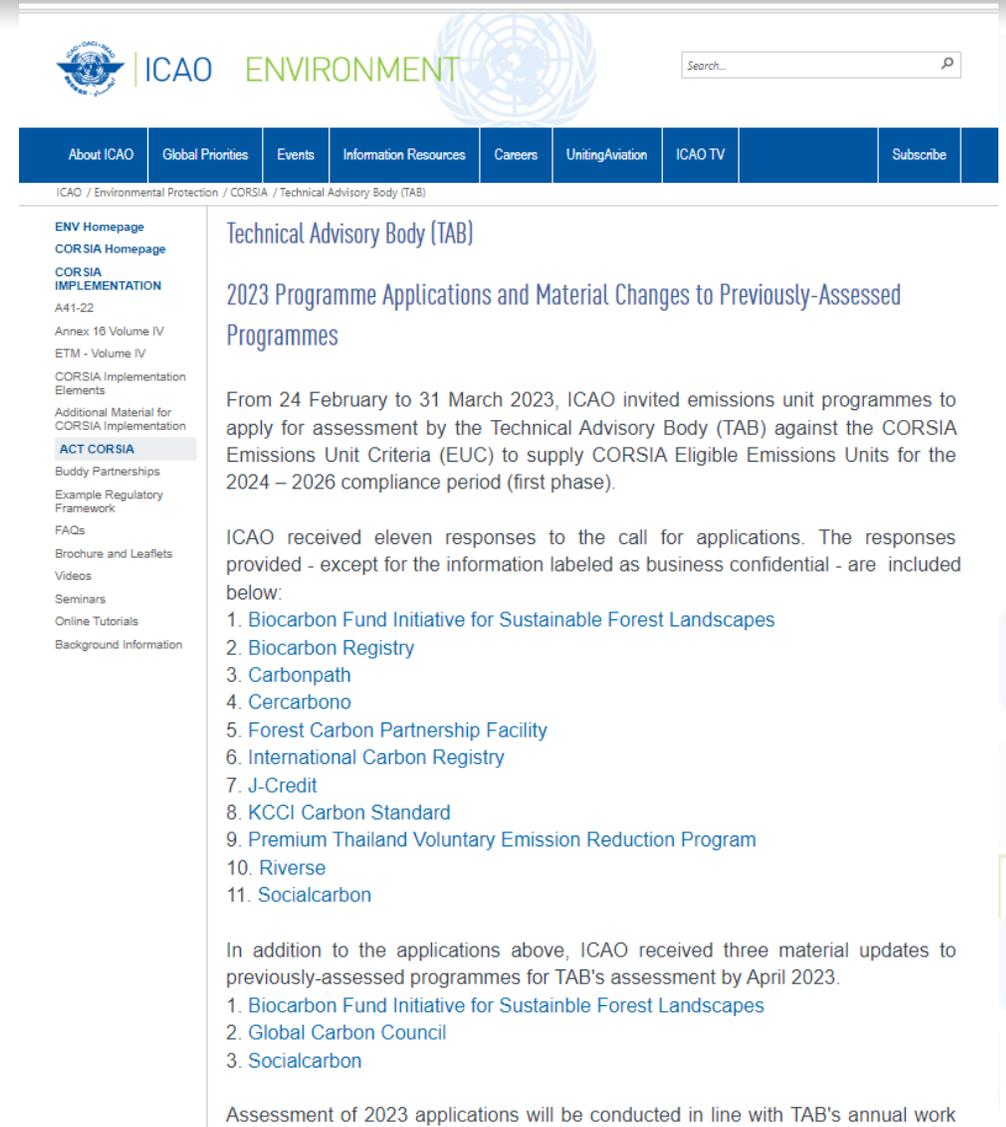


TAB 2023 Assessment

- In 2023, TAB received eleven responses to the call for applications for CORSIA first phase, and three material changes to previously-assessed programmes
- TAB will assessed these applications during its 2023 assessment cycle, and will make recommendations to Council in November 2023

TAB 2024 Assessment

- The next call for applications is expected in early 2024 for TAB assessment of eligibility of units for CORSIA first phase and will make recommendations to Council in November 2024.



The screenshot shows the ICAO ENVIRONMENT website interface. At the top, there is a search bar and a navigation menu with links for About ICAO, Global Priorities, Events, Information Resources, Careers, Uniting Aviation, ICAO TV, and Subscribe. The main content area is titled "Technical Advisory Body (TAB)" and features a sub-heading "2023 Programme Applications and Material Changes to Previously-Assessed Programmes". The text states that from 24 February to 31 March 2023, ICAO invited emissions unit programmes to apply for assessment by the Technical Advisory Body (TAB) against the CORSIA Emissions Unit Criteria (EUC) to supply CORSIA Eligible Emissions Units for the 2024 – 2026 compliance period (first phase). It notes that ICAO received eleven responses to the call for applications, with responses provided - except for the information labeled as business confidential - included below:

1. Biocarbon Fund Initiative for Sustainable Forest Landscapes
2. Biocarbon Registry
3. Carbonpath
4. Cercarbono
5. Forest Carbon Partnership Facility
6. International Carbon Registry
7. J-Credit
8. KCCI Carbon Standard
9. Premium Thailand Voluntary Emission Reduction Program
10. Riverse
11. Socialcarbon

Below this list, it mentions that ICAO received three material updates to previously-assessed programmes for TAB's assessment by April 2023:

1. Biocarbon Fund Initiative for Sustainable Forest Landscapes
2. Global Carbon Council
3. Socialcarbon

At the bottom of the page, it states: "Assessment of 2023 applications will be conducted in line with TAB's annual work".

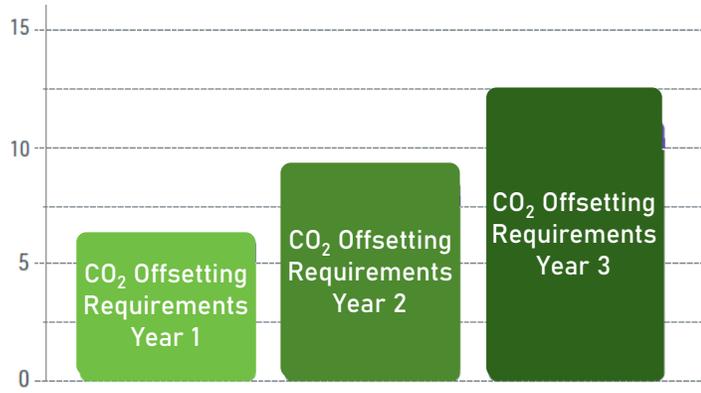


2

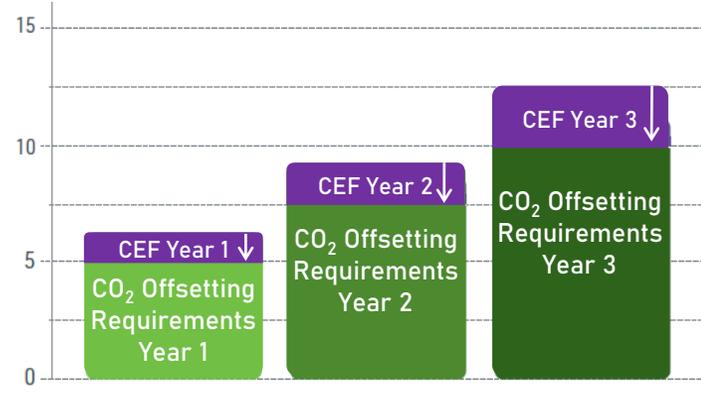
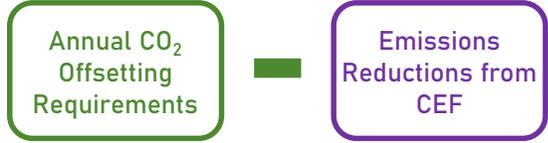
Cancelling CORSIA Eligible Emissions Units

Fulfilling CORSIA Offsetting Requirements

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



Total final CO₂ offsetting requirements will be met by operators through the cancelation of CORSIA eligible emissions units

Steps to determine and comply with CORSIA Offsetting Requirements

1

The State calculates the offsetting requirements attributed to an aeroplane operator, based on CORSIA MRV system.

2

The operator reports the use of CORSIA eligible fuels for a 3-year compliance period.

3

The State accounts for the benefits from the use of CORSIA eligible fuels and informs the operator of its total final CO₂ offsetting requirements for a 3-year compliance period.

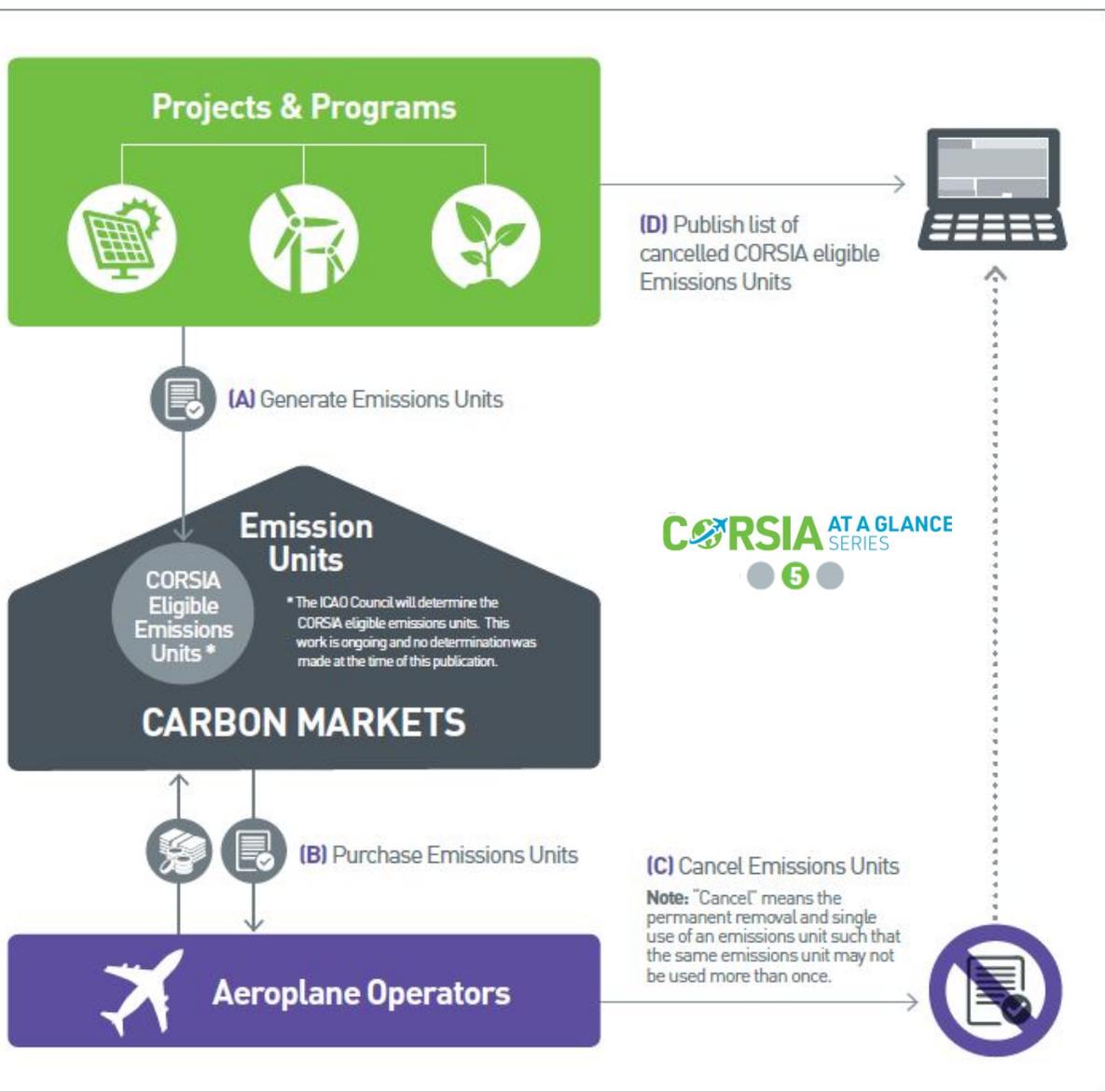
4

The operator purchases and cancels eligible emissions units equivalent to its total final CO₂ offsetting requirements for the compliance period.

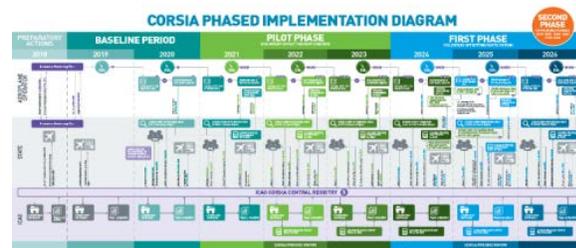
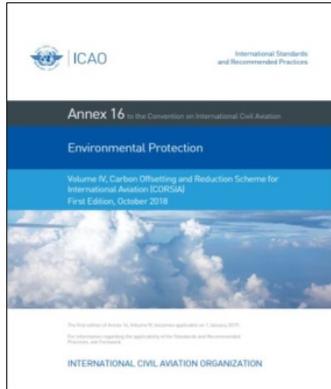
5

The operator provides a verified Emissions Units Cancellation Report to the State, who checks the Report and informs ICAO.

Steps to purchase and cancel CORSIA Eligible Emissions Units



- A. **Generate:** Emissions reduction projects generate emissions units.
- B. **Purchase:** Emissions units are purchased in carbon markets on a per-tonne basis, where 1 Emissions Unit = 1 tonne of CO_{2e}.
- C. **Cancel:** Operators cancel CORSIA eligible emissions units. Cancellation takes place within a registry designated by a CORSIA Eligible Emissions Unit Programme.
- D. **Publish:** Operators request each CORSIA Eligible Emissions Unit Programme Registry to make visible the cancellation information on the registry's public website.



CORSIA AT A GLANCE SERIES

CORSIA IMPLEMENTATION COMPONENTS

1. SARPs - Annex 16 Volume IV

2. Emissions Monitoring Plan

3. CORSIA Central Registry

4. CORSIA Eligible Fuels

5. CORSIA Emissions Units Criteria (CEUC)

CORSIA AT A GLANCE SERIES

EMISSIONS MONITORING PLAN

Carbon off of the Emissions Monitoring Plan includes:

- Preparation of the Emissions Monitoring Plan
- Baseline Period (2019-2020)
- Reporting and Verification

CORSIA AT A GLANCE SERIES

EMISSIONS MONITORING OPTIONS

ICAO CORSIA CO₂ ESTIMATION AND REPORTING TOOL (CERT)

1. SARPs - Annex 16 Volume IV

2. Emissions Monitoring Plan

3. CORSIA Central Registry

4. CORSIA Eligible Fuels

5. CORSIA Emissions Units Criteria (CEUC)

CORSIA AT A GLANCE SERIES

CORSIA VERIFICATION

1. An independent party verification of the report is required for an independent report to be submitted to the CORSIA Central Registry.

2. The independent party verification must be conducted in accordance with the CORSIA Verification Guidelines.

CORSIA AT A GLANCE SERIES

CORSIA ELIGIBLE FUELS

1. The eligible fuels are those that are produced from a feedstock that is not a fossil fuel.

2. The eligible fuels are those that are produced from a feedstock that is not a fossil fuel.

CORSIA AT A GLANCE SERIES

CORSIA CENTRAL REGISTRY

1. The CORSIA Central Registry is the central repository for all CORSIA data.

2. The CORSIA Central Registry is the central repository for all CORSIA data.

CORSIA AT A GLANCE SERIES

PUBLICATION OF INFORMATION AND DATA FROM THE CENTRAL REGISTRY

1. The information and data from the Central Registry is published in a public format.

2. The information and data from the Central Registry is published in a public format.

CORSIA AT A GLANCE SERIES

CORSIA VERIFICATION

1. An independent party verification of the report is required for an independent report to be submitted to the CORSIA Central Registry.

2. The independent party verification must be conducted in accordance with the CORSIA Verification Guidelines.

CORSIA AT A GLANCE SERIES

CORSIA ELIGIBLE FUELS

1. The eligible fuels are those that are produced from a feedstock that is not a fossil fuel.

2. The eligible fuels are those that are produced from a feedstock that is not a fossil fuel.

CORSIA AT A GLANCE SERIES

CORSIA EMISSIONS UNITS CRITERIA (CEUC)

1. The CEUC are the criteria used to determine if a fuel is eligible for CORSIA.

2. The CEUC are the criteria used to determine if a fuel is eligible for CORSIA.



- About ICAO
- Global Priorities
- Meetings and Events
- Information Resources
- Careers
- Subscribe

ICAO / Environmental Protection / CORSIA

- ENV Homepage
- CORSIA Homepage
- CORSIA IMPLEMENTATION
- ACT CORSIA

Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

CORSIA News (click here to consult the complete list)

19-25 Jan 2019

Trinidad & Tobago and Jamaica received training under the ACT-CORSIA Buddy Partnership with Germany

Progress indicator: 10 dots, 10th dot filled.

CORSIA IMPLEMENTATION

- Assembly Resolution A39-3
- SARPs - Annex 16 Volume IV
- Environmental Technical Manual - Volume IV (New)
 - Templates (New)
- ICAO CORSIA Implementation Elements
 - CORSIA States for Chapter 3 State Pairs
 - ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)
 - CORSIA Eligible Fuels
 - CORSIA Eligible Emissions Units
 - CORSIA Central Registry (CCR)

Additional Material for CORSIA Implementation



ACT CORSIA

- CORSIA Buddy Partnerships
- Model Regulations
- Frequently Asked Questions
- Brochure and Leaflets
- Videos
- Seminars
- Online Tutorials
- Background Information



For more information, please visit our website: <http://www.icao.int/corsia>