



CORSIA Newsletter

November 2022

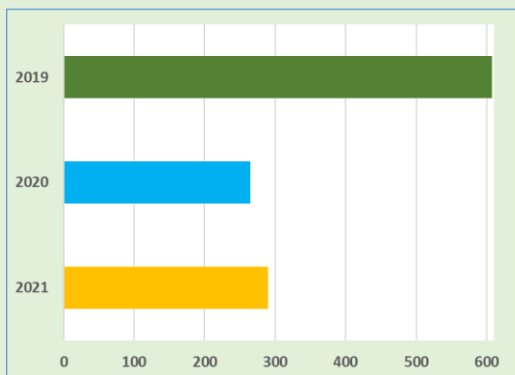
The **Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)** is the first global market-based scheme that applies to a sector. It complements other aviation in-sector emissions reductions efforts such as technological innovations, operational improvements and sustainable aviation fuels to meet the ICAO aspirational goal of carbon neutral growth.

For more details on what is CORSIA click [here](#)

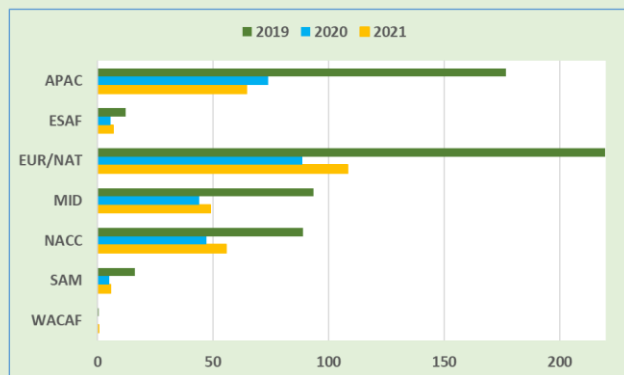
CORSIA Implementation is On Track!

States and operators have continued to fulfil their CORSIA-specific Monitoring, Reporting and Verification (MRV) requirements in accordance with [Annex 16, Volume IV](#). CO₂ emissions submitted by States through the CORSIA Central Registry (CCR) correspond to more than 96% of the total CO₂ emissions for the period 2019-2021.

Total CO₂ Emissions (in Mtonnes)



Total CO₂ Emissions by Region (in Mtonnes)



Aggregated information and data based on States’ submissions through the CCR can be found on the ICAO website:

- 2019 CO₂ emissions in [Part II](#) of the ICAO document “CORSIA Central Registry (CCR): Information and Data for Transparency” (click [here](#) for an Excel version of the data);
- 2021 CO₂ emissions in [Part III](#) of the ICAO document “CORSIA Central Registry (CCR): Information and Data for Transparency” (click [here](#) and [here](#) for an Excel version of the data);
- 2021 Sector’s Growth Factor ([2021 SGF](#)) in ICAO document “CORSIA Annual Sector’s Growth Factor (SGF)”.

For more details, refer to the October 2022 edition of the CORSIA newsletter that is available [here](#).

2022 Version of ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

Update

The ICAO CORSIA CERT can be used by aeroplane operators to **support the monitoring and reporting** of their CO₂ emissions by populating the standardized Emissions Monitoring Plan template and the Emissions Report template. The ICAO CORSIA CERT can also be used by States to fill in reporting **data gaps** if an operator does not submit its Emissions Report.

The 2022 version of the ICAO CORSIA CERT, to be used by aeroplane operators for the preparation of their Emissions Reports for emissions corresponding to year 2022, keeps the same functionalities as the 2021 version of the tool, while improvements have been made on the **usability of the tool** in response to feedback from users of the 2021 version.

The background data supporting the 2022 version of the ICAO CORSIA CERT has been updated, namely:

- **Updated CO₂ Estimation Models** (CEMs), based on additional data collected in 2021;
- Embedding of Edition 2 (Revision 1) of the ICAO document *CORSIA States for Chapter 3 State Pairs*, containing the list of 107 States defining the **State pairs subject to CORSIA CO₂ offsetting requirements in year 2022**. This allows the tool to define the sub-total of CO₂ emissions for State pairs subject to offsetting requirements in 2022; and
- Embedding of **updates to ICAO Docs**: Doc 7910 — *Location Indicators* (ed. 185); Doc 8585 — *Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services* (ed. 200); and Doc 8643 — *Aircraft Type Designators* (ed. 50).

The 2022 version of the ICAO CORSIA CERT was approved by the ICAO Council at its 227th Session (November 2022). The tool and related technical documentation is now available on the [ICAO CORSIA website](#) in time to be used for the preparation of the 2022 Emissions Reports during 2023.

CORSIA Eligible Fuels

CORSIA allows aircraft operators to **reduce their offsetting requirements through the use of CORSIA eligible fuels**, which include CORSIA sustainable aviation fuels (SAF) and CORSIA lower carbon aviation fuels (LCAF). To do this, such fuels need to be **certified by an ICAO-approved Sustainability Certification Scheme (SCS)**, which ensures that the criteria defined in the ICAO document “*CORSIA Sustainability Criteria for CORSIA Eligible Fuels*” are met. The first edition of this ICAO document was approved in 2019 and included CO₂-related Sustainability criteria applicable for both SAF and LCAF produced during the CORSIA pilot phase (2021-2023).

In 2021, the Council approved the second edition of this ICAO document, which includes an **extended set of Sustainability Criteria** encompassing environmental and socio-economic aspects, to be applicable to SAF produced after the CORSIA pilot phase (from 2024 onwards).

Update

Based on the recommendations of the Committee on Aviation Environmental Protection (CAEP) and following the consideration of comments submitted by ICAO Member States through the **State letter ENV 6/6 – 22/73**, the Council, at its 227th Session (November 2022) approved further amendments to the ICAO document “[CORSIA Sustainability Criteria for CORSIA Eligible Fuels](#)”, related to the definition of **sustainability criteria for CORSIA lower carbon aviation fuels (LCAF)** produced after the CORSIA pilot phase (from 2024 onwards). This agreement completes the technical methodologies required for the consideration of both SAF and LCAF after the CORSIA pilot phase. The updated ICAO document on CORSIA sustainability criteria (third edition) is now available on the [ICAO CORSIA website](#).

CORSIA Eligible Emissions Units

Update

The ICAO Council in November 2022 considered the recommendations of the Technical Advisory Body (TAB) from its 2022 assessment cycle, and approved the amendment of the ICAO document “*CORSIA Eligible Emissions Units*”.

In particular, the Council approved the addition of the **Forest Carbon Partnership Facility Program** as immediately eligible to supply CORSIA eligible emissions units for the pilot phase (2021-2023), bringing the total number of approved programmes to nine as follows (listed in alphabetical order):

1. American Carbon Registry (ACR)
2. Architecture for REDD+ Transactions (ART)
3. China GHG Voluntary Emission Reduction Program
4. Clean Development Mechanism (CDM)
5. Climate Action Reserve (CAR)
6. Forest Carbon Partnership Facility Program
7. Global Carbon Council (GCC)
8. The Gold Standard (GS)
9. Verified Carbon Standard (VCS).



The updated ICAO document “*CORSIA Eligible Emissions Units*” with the list of the above-mentioned approved nine eligible programmes for the CORSIA pilot phase (2021-2023), and their respective scopes of eligibility, will become available soon on the [ICAO CORSIA website](#).

TAB will continue the work of **re-assessing the already-eligible programmes**, on their eligibility in the CORSIA first phase (2024-2026). The TAB recommendations will be considered by the 228th session of the Council in March 2023. The TAB will also **open a call for applications in early 2023** for the TAB’s 2023 assessment cycle on CORSIA eligible emissions units for the first phase. More information regarding the work of TAB can be found [here](#).

ICAO at UNFCCC COP27



The 2022 United Nations Climate Change Conference ([COP27](#)) took place in Sharm El-Sheikh, Egypt, from 6 to 20 November 2022. Parties were called upon to accelerate action towards the achievement of the Paris Agreement goals.

All ICAO outreach activities at COP27 are available on the [dedicated ICAO webpage](#), and summarized below:

- On 6 November 2022 during the opening plenary meeting of the Subsidiary Body on Scientific and Technological Advice (SBSTA), ICAO provided a [statement](#); click [here](#) for ICAO’s full submission;
- On 10 November 2022, ICAO held a [side event](#) on the recently adopted long-term aspirational goal (LTAG) for international aviation of net-zero carbon emissions by 2050, in support of the Paris Agreement’s temperature goal; click [here](#) to watch the event;
- ICAO participated in a number of other side events that dealt with aviation and sustainable transport issues.

ICAO produced a COP27 [video](#) to highlight its recent activities and progress.

CORSIA Capacity Building



ACT-CORSIA is the ICAO Assistance, Capacity Building and Training programme on **CORSIA**. It was established in June 2018 and encompasses the CORSIA Buddy Partnerships and all other ICAO outreach materials (see below).

The **ACT-CORSIA Buddy Partnerships** rely on individual training of CORSIA Focal Points and are the core of capacity building activities. A total of 136 States participate in the ACT-CORSIA Buddy Partnerships. More information can be found [here](#).

Update

In November 2022, **Benin, Burkina Faso, Democratic Republic of Congo, Gabon, Gambia, Ghana, Liberia, Madagascar, Mauritius, Niger, Senegal, Sierra Leone and Togo** received training under their respective ACT-CORSIA Buddy Partnerships with **Canada, France and Nigeria**.

Upcoming CORSIA Implementation Deadlines (2022 and 2023)

31 December 2022: States to obtain from the ICAO website and use the ICAO document entitled "*CORSIA Aeroplane Operator to State Attributions*" containing the latest list of operators and the State to which they have been attributed.

1 January 2023 to 30 April 2023: Aeroplane operators to compile 2022 CO₂ emissions data, and, if applicable, emissions reductions from the use of CORSIA eligible fuels, to be verified by verification bodies.

by 30 April 2023: Aeroplane operators and verification bodies to submit to States the verified 2022 Emissions Reports and associated Verification Reports.

1 May 2023 to 31 July 2023: States to conduct an order of magnitude check of the verified 2022 Emissions Reports, including any filling of data gaps in case of non-reporting by aeroplane operators.

by 31 July 2023: States to use the CORSIA Central Registry (CCR) to submit aggregated 2022 CO₂ emissions data, and, if applicable, aggregated information and data on emissions reductions from the use of CORSIA eligible fuels by the aeroplane operators attributed to them.

Outreach Materials on CORSIA



Since the adoption of the CORSIA-related [Standards and Recommended Practices \(SARPs\)](#) in 2018, ICAO has developed the remaining elements needed for the CORSIA implementation.

Click [here](#) for an infographic on the status of all implementation elements.

The [ICAO CORSIA website](#) contains materials to support States, operators and verification bodies in their work towards implementation of CORSIA, namely:

- [Examples of Good Practice](#)
- [Frequently Asked Questions](#)
- [Brochures and Leaflets](#)
- [Videos](#)
- [Seminars](#)
- [Online Tutorials](#)



The CORSIA Verification Course provides training on how to verify CO₂ Emissions Reports that have been prepared by aeroplane operators, in accordance with the provisions of the CORSIA Standards and Recommended Practices (SARPs).

>[Click here](#) for more information and registration

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For more information, visit the ICAO website: www.icao.int/corsia