



ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

2026 ICAO APAC Online Training on State Action Plan (SAP) to Reduce CO₂ Emissions from International Aviation

Bangkok, 29– 30 July 2026

**INTERNATIONAL
CIVIL AVIATION
ORGANIZATION**



© ICAO 2025



Version 2025

End user license agreement

ICAO Carbon Offsetting and Reduction Scheme for International Civil Aviation (CORSIA) CO₂ Estimation and Reporting Tool (CERT)

End User License Agreement

Please read this Agreement carefully: This End User Licence Agreement is a legal agreement ("Agreement") between you ("Licensee") and the International Civil Aviation Organization ("ICAO" or "Licensor"). By clicking "I Accept" or taking any step to use this Software, you agree, on behalf of yourself and your organization (collectively "Licensee"), to be bound by all of the terms and conditions of this Agreement. If you do not agree with the terms and conditions of this Agreement, do not continue the download process, do not use the software and delete or destroy all copies of the software in your possession or control.

1. Licence: ICAO grants to the Licensee the right to access and use the ICAO CORSIA CERT interface, which is comprised of a Microsoft Excel spreadsheet (collectively "Software"), provided that the Licensee complies with all the terms and conditions of this Agreement.



End User License Agreement



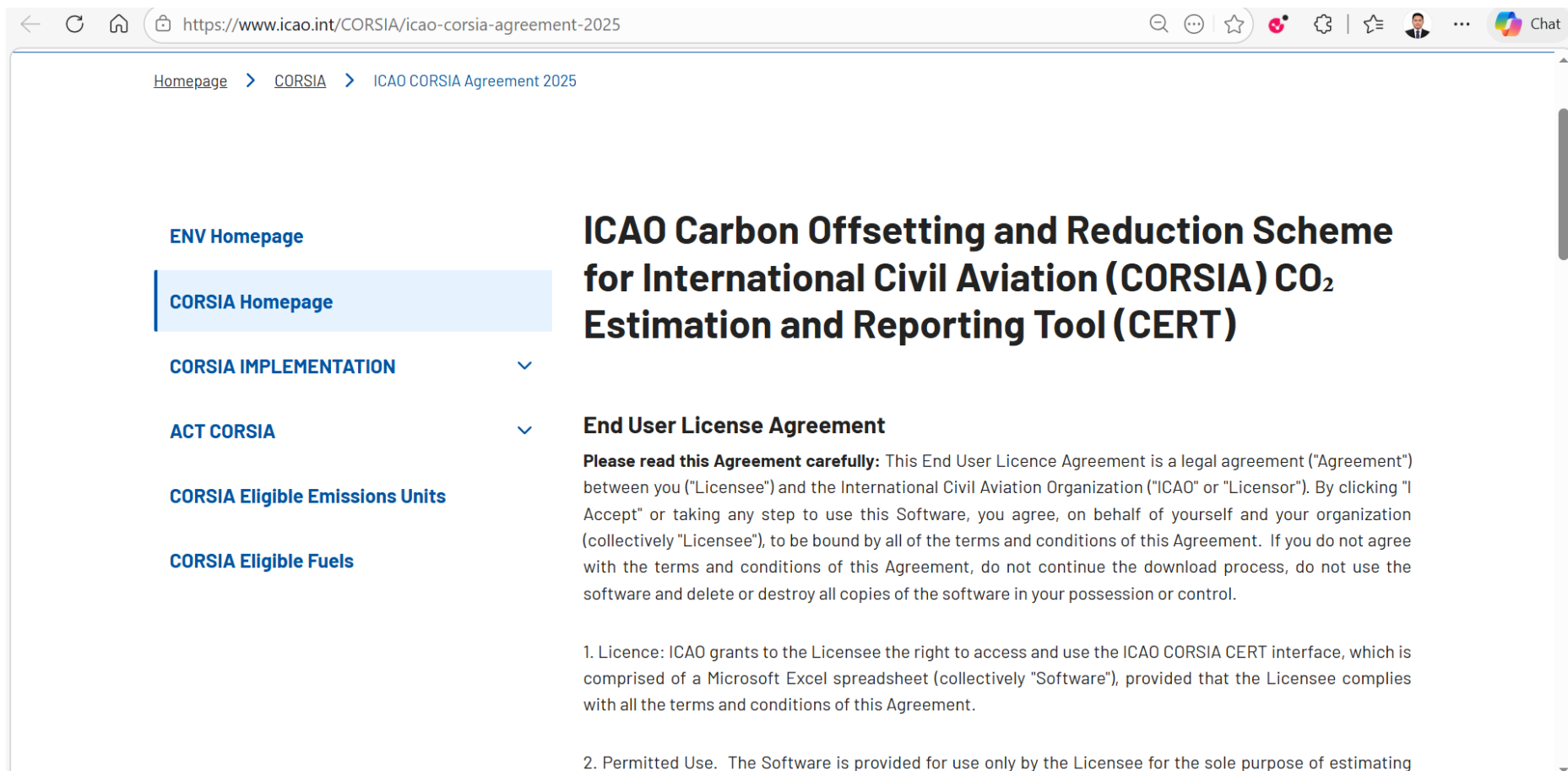
ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

3

The screenshot shows a web browser window with the URL <https://www.icao.int/CORSIA/CERT>. The page features a left-hand navigation menu with the following items: ENV Homepage, CORSIA Homepage (highlighted), CORSIA IMPLEMENTATION, ACT CORSIA, CORSIA Eligible Emissions Units, and CORSIA Eligible Fuels. The main content area is titled "ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)". It contains the following text: "This ICAO CORSIA Implementation Element is reflected in the ICAO document entitled 'ICAO CORSIA CO₂ Estimation and Reporting Tool', referenced in Annex 16, Volume IV." Below this, it states "ICAO document 'ICAO CORSIA CO₂ Estimation and Reporting Tool'" and "Version 2025 of the ICAO CORSIA CERT is available for [download here](#)". It then lists "CSV file templates for importing data into the ICAO CORSIA CERT:" followed by two items: "a) Template for the 'Summary of assessment of applicability of CORSIA and eligibility to use the ICAO CORSIA CERT in 2026' functionality is available for [download here](#)." and "b) Template for the 'CO₂ Estimation and Reporting for 2025' functionality is available for [download here](#)." Further down, it says "The ICAO CO₂ Estimation Models (CEMs) is a set of equations underpinning the ICAO CORSIA CERT, which allow for the estimation of CO₂ emissions as a function of Great Circle Distance or Block Time for a given aircraft type. The 2025 Version of the ICAO CEMs is available for [download here](#)." Finally, it states "The ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT) can be used by an aeroplane operator to support the monitoring and reporting of their CO₂ emissions, in accordance with the requirements from ICAO Annex".

ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

4



The screenshot shows a web browser window with the URL <https://www.icao.int/CORSIA/icao-corsia-agreement-2025>. The page has a breadcrumb trail: [Homepage](#) > [CORSIA](#) > [ICAO CORSIA Agreement 2025](#). On the left, there is a navigation menu with the following items: [ENV Homepage](#), [CORSIA Homepage](#) (highlighted), [CORSIA IMPLEMENTATION](#) (with a dropdown arrow), [ACT CORSIA](#) (with a dropdown arrow), [CORSIA Eligible Emissions Units](#), and [CORSIA Eligible Fuels](#). The main content area features the title **ICAO Carbon Offsetting and Reduction Scheme for International Civil Aviation (CORSIA) CO₂ Estimation and Reporting Tool (CERT)**. Below the title is the **End User License Agreement** section, which includes a paragraph stating that users agree to the terms by using the software, followed by two numbered points: 1. Licence: ICAO grants the right to access and use the ICAO CORSIA CERT interface, which is a Microsoft Excel spreadsheet, provided the licensee complies with the terms. 2. Permitted Use: The software is for use only by the licensee for the sole purpose of estimating.

Assistance

Users of the tool can report issues and request support via CERT@icao.int.

ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

5

© ICAO 2025



CORSIA | CO₂ Estimation & Reporting Tool (CERT)

Version 2025

CO₂ Emissions Estimation & Data Gap Filling

Back

Home

Next

Step:

- A** Collect flight information (aircraft type, aerodromes of origin and destination) for all flights during the relevant time period.
- B** Enter the information for all flights by double clicking on the green cells below. Data should be entered using decimals separated by ".".
- Note: For a given aerodrome pair flown by a particular aircraft type, all flights can be entered as a single entry by entering total number of flights during the relevant time period.*
- Note: Data can also be copied and pasted across input cells as needed*
- Note: Data can also be imported from a csv file, structured to match the contents under the INPUT section below, by clicking on →*

Import Input File
(.csv)

>

...

Custom_AP

ER_Intro

ER 1

ER 2

ER 3

ER 4

ER 5

ER_CO2_Est

ER 5.1

ER 5.2

ER 6

ER_Final

+

ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

6

number of flights during the relevant time period.

Note: Data can also be copied and pasted across input cells as needed

Note: Data can also be imported from a csv file, structured to match the contents under the INPUT section below, by clicking on →

C After entering input, compute CO₂ emissions. Click on →

D After computing CO₂ emissions, continue to fill the necessary information for the Emissions Report. Click on →

Import Input File
(.csv)

Estimate CO₂
Emissions

Populate ER with
CO₂ Information

INPUT										OUTPUT					
Date (Opt.)	Flight ID (Opt.)	ICAO Aircraft Type Designator	Origin Aerodrome	Destination Aerodrome	Total Number of Flights	Total Block Time for all flights (in min.)	Total Fuel Use for all Flights (in tonnes)	Type of Fuel	Data Gap Ref. (Opt.)	Data Gap	Aerodrome Pair Great Circle Distance (in km)	Fuel (in tonnes)	CO ₂ Emissions (in tonnes of CO ₂)	Flight(s) subject to Scope of Applicability of CORSIA	Warnings
		Search Aircraft Code	Search Aerodrome Code												
		Custom AC	Custom AP												
		A320	WIII	VTBS	1					Yes	2,286	8	26	Yes	
		B773	EHAM	WIII	1					Yes	11,353	107	338	Yes	
		A333	VHHH	WIII	2					Yes	3,243	50	158	Yes	

...

Custom_AP

ER_Intro

ER 1

ER 2

ER 3

ER 4

ER 5

ER_CO2_Est

ER 5.1

ER 5.2

ER 6

ER_Final

+

Thank You

