

# CORSIA AT A GLANCE SERIES

## EMISSIONS MONITORING OPTIONS

The CORSIA SARPs request an aeroplane operator to monitor and record its fuel use from international flights to determine its annual CO<sub>2</sub> emissions, in accordance with an eligible monitoring method approved by the State to which it is attributed.

To simplify the estimation and reporting of CO<sub>2</sub> emissions from international flights for operators with low level of activity, ICAO has developed the CORSIA **CO<sub>2</sub> Estimation and Reporting Tool (CERT)**.

### ICAO CORSIA CO<sub>2</sub> ESTIMATION AND REPORTING TOOL (CERT)

**CERT** supports aeroplane operators in:

- Estimating CO<sub>2</sub> emissions.
- Populating the Emissions Monitoring Plan and Emissions Report templates.

**CERT** also supports all aeroplane operators in determining if their total CO<sub>2</sub> emissions are under the threshold to be exempt from the CORSIA reporting requirements ( $\leq 10\,000$  tonnes of CO<sub>2</sub> annually).

From 2021 onwards, aeroplane operators with annual emissions from international flights subject to offsetting requirements who emit  $\geq 50\,000$  tonnes of CO<sub>2</sub> are not eligible to use **CERT** to monitor and report emissions, and must choose one of the five eligible methods for **Fuel Use Monitoring** (the five methods are equivalent and there is no hierarchy for selecting a method).

All aeroplane operators can use CERT to estimate CO<sub>2</sub> emissions not subject to offsetting requirements regardless of the level of these emissions, and to fill CO<sub>2</sub> emissions data gaps. A State can use the **CERT** to estimate CO<sub>2</sub> emissions for an operator if the operator does not submit its annual Emissions Report in accordance with the timeline in Appendix 1 to Annex 16, Volume IV.

CERT	Aeroplane Operators International CO <sub>2</sub> Emissions (tonnes) 2021–2035*		
	$\leq 10K\ CO_2$ (total annual emissions)	$< 50K\ CO_2$ (subject to offsetting requirements)	$\geq 50K\ CO_2$ (subject to offsetting requirements)
Preliminary CO <sub>2</sub> Assessment	✓	✓	✓
CO <sub>2</sub> Estimation & Reporting	No CORSIA requirement	✓	Not Eligible to use <b>CERT</b>
Filling Data Gaps	No CORSIA requirement	✓	✓

\*Note: for 2019 and 2020, operators were able to use **CERT** to estimate and report emissions if their total annual emissions were  $< 500\,000$  tonnes of CO<sub>2</sub>.

This flow diagram presents a decision tree for an aeroplane operator to determine whether they are eligible to use the ICAO CORSIA **CO<sub>2</sub> Estimation and Reporting Tool (CERT)**, or shall use one of the eligible **Fuel Use Monitoring Methods**, to monitor and report their CO<sub>2</sub> emissions for international flights from 2021 onwards.

