ICAO CORSIA CO$_2$ ESTIMATION AND REPORTING TOOL (CERT) FREQUENTLY ASKED QUESTIONS (FAQS)

Input data format (individual flight level or aggregated) – What is the appropriate format for the input? The 2018 version of the ICAO CORSIA CERT allows users to provide traffic data either on the basis of a unique flight (i.e., the "Number of Flights in the "*2. CO$_2$ Estimation*" page will be 1 for each entry) or in an aggregated format (i.e., the "Number of Flights" will be the sum of all the flights for each combination of ICAO Aircraft Type Designator and Airport Pairs (departing and arriving airports)). However, please take note that the two data formats CANNOT be combined. *Note: The 2019 version of the* ICAO CORSIA CERT *is expected to allow for partially aggregated Aircraft Type and Airport Pairs input.*

Airports – What should I do if an airport code needed is not available in the ICAO CORSIA CERT? The ICAO CORSIA CERT uses the ICAO Doc 7910, *Location Indicators,* for airport identification as stated in the references table of the ICAO CORSIA CERT Background page. If the airport code needed is missing, after you click "*Calculate CO$_2$ Emissions*" (on the page "*2. CO$_2$ Estimation")* and agree to compare the input to the CERT databases (by clicking "Yes" on the pop-up window), the ICAO CORSIA CERT will detect airports which are not embedded therein and will automatically propose that you add as many custom airports as needed. In addition to the airport code entered as input, the user will have to provide the following information: airport name, latitude and longitude of the airport, and indicate the ICAO Member State where the airport is located. You are also invited to communicate with the ICAO CORSIA CERT Team via the email address CERT@icao.int to notify ICAO of missing ICAO airport codes.

Aeroplane Operators – What should I do if my ICAO Designator is not available from the drop-down menu? If the ICAO Designator is not available from the drop-down menu, the user should leave the field blank in the ICAO CORSIA CERT identification page. The only purpose of the ICAO CORSIA CERT "*Aeroplane Operator Information*" page is to tag the name of the operator on the summary assessment, which is requested as supporting information. For the 2018-2019 period, the information that the aeroplane operator enters in its CORSIA Emissions Monitoring Plan (EMP) matters most. As long as the aeroplane operator enters its name and its three-letter designator in the EMP, that should be sufficient to identify the operator. You are also invited to communicate with the ICAO CORSIA CERT Team via the email address CERT@icao.int to notify ICAO of missing ICAO Designators.

Aircraft type designator – What should I do if an aircraft code needed is not available in the ICAO CORSIA CERT? If the aircraft code needed is missing, after you click "*Calculate CO$_2$ Emissions*" (on the page "*2. CO$_2$ Estimation")* and agree to compare the input to the CERT databases (by clicking "Yes" on the pop-up window), the tool will automatically propose that you add a custom aircraft. In addition to the airport code entered as input, the user will have to provide the following information: aircraft category (selected from the drop-down menu) and the average Maximum Take-off Mass (MTOM) in kilogrammes (kg). The average MTOM is calculated using the arithmetical average of individual MTOM of aircraft in the fleet of a given Aircraft Type Code, divided by the number of aircraft in the fleet of the given Aircraft Type Code.

Once the aircraft category and average MTOM have been entered, the custom aircraft functionality displays information on the fuel burn rate (kg/km) and intercept value (fuel at great circle distance of 0 km), depending on the underlying regression model associated with the manually selected aircraft category and average MTOM. The indicated fuel burn rate and interception value are used in the ICAO CORSIA CERT to calculate the estimated fuel burn and emissions for all flights with this Custom Aircraft Code.

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