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ACT-CORSIA Phase III 2022

Excel Spreadsheet for the aggregation of CO2 emissions





- With the kind agreement of Germany, we received this spreadsheet to considerate and use it in ACT-CORSIA training sessions
 - The ICAO Secretariat has received the attached Excel spreadsheet that has been developed by Germany in the context of its ACT-CORSIA Buddy Partnerships. Its use is voluntary and at the user's risk

This is not an official ICAO spreadsheet. Use at own risk.

This file is distributed under the cooperative spirit of the ICAO ACT CORSIA framework (CORSIA Buddy Partnership with Germany). Please send an email to Georg.Naumann@uba.de in case of ideas for improvement or questions. Thank you.



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Introduction



Objective- to assist with the aggregation of CO₂ emissions data in preparation of uploading this information on the CORSIA Central Registry.



ANNEX 16 — VOLUME IV.

2.3.1.2 The State shall decide on the level of aggregation (i.e., State pair or aerodrome pair) for which an aeroplane operator attributed to it shall report the number of international flights, as defined in 1.1.2 (i.e., Table A5-1 Field 7) and CO₂ emissions (i.e., Table A5-1 Field 8).

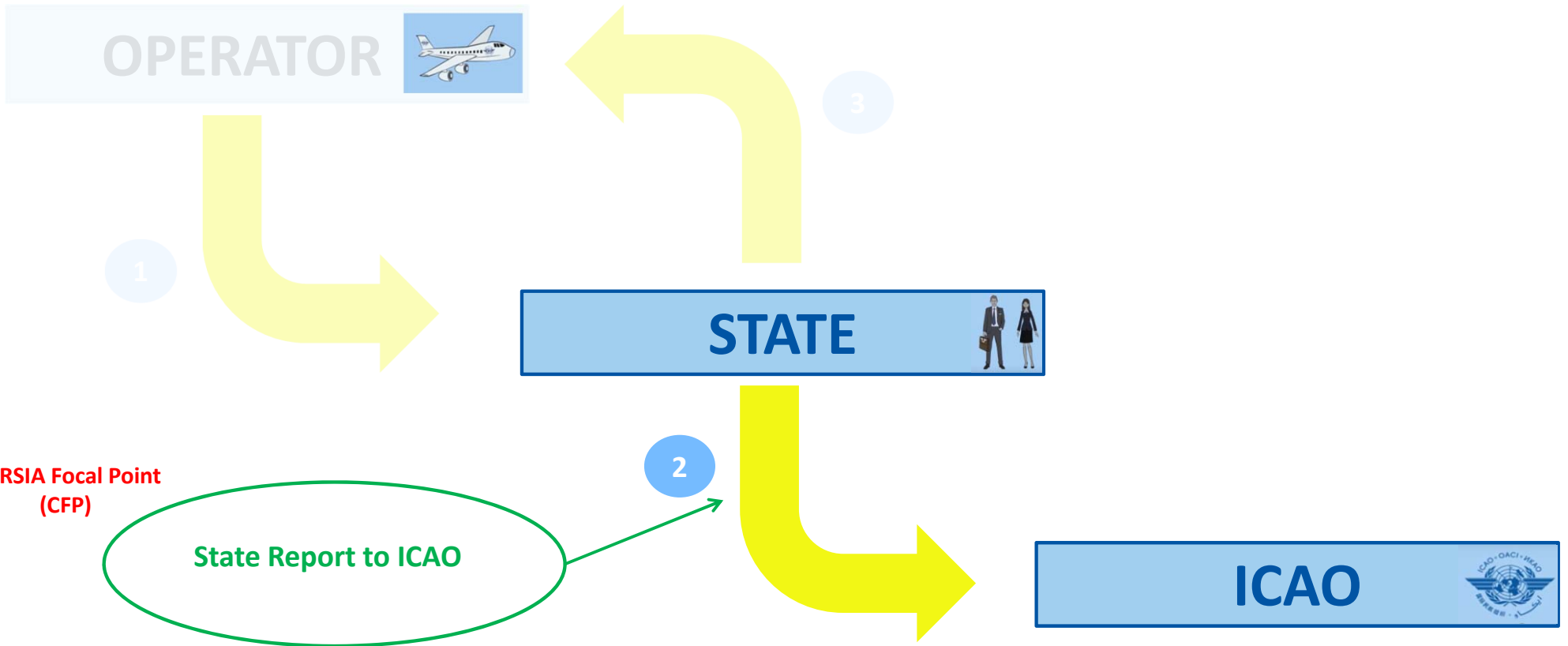
This spreadsheet is meant for use by CORSIA Focal points of ICAO Member States that do not have any other means available to aggregate the CO₂ emissions data that they receive from the aeroplane operators attributed to them



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Reporting of CO2 Emissions – State





CORSIA Emissions Reports Aggregation of CO2 Emissions

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Instructions

- This worksheet:** Please select State Pair or Aerodrome Pair
- Worksheet A or B:** Please copy/paste data to be aggregated (use "Paste Special" and select "Values and number formats")
- Worksheet C:** Aggregated data can be found here, indicate confidential data
- Worksheet D:** Check for consistency errors
- Worksheet E:** CSV data for CCR can be found here (copy/paste to the ICAO CCR template for upload)

A. State Pair Reporting

Option 1: State Pair Reporting
Option 2 : Aerodrome Pair Reporting

Room for Notes:

Further guidance

I) How does "Paste Special" work?

To copy data from the individual Emissions Reports, please copy/paste by selecting "Paste Special" as shown on the right

II) Why is my Excel file so slow?

Calculations can take some time, please check the Excel calculation status bar at the bottom right to verify if calculations are completed.

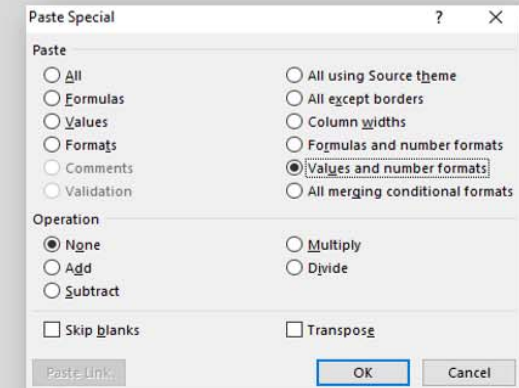
III) What to do if the received Emissions Reports include both "State Pair" and "Aerodrome Pair" data?

In principle data are aggregated from Sheet A (data by State Pair) or from Sheet B (data by Aerodrome Pair). However, the tool user can still combine data from sheet A and Sheet B in an overall aggregation. The tool user should then input data in both sheets A and B. The user then first sets the tool to use data from sheet B (cell F9 above). The result from sheet C should then be added to the data in sheet A. Then the user sets cell F9 to aggregate from sheet A, and sheet C will present the overall aggregation results.

IV) What if the received Emissions Reports sum up to more than 10,000 aerodrome pairs?

Sheet B allows for a maximum of 10,000 rows with emissions by Aerodrome Pair to be filled in. If the number of 10,000 rows is not sufficient, please follow the following procedure:

- Set cell F9 above to aggregate from sheet B.
- Fill in sheet B up to a maximum of 10,000 rows.
- Copy the aggregation results from sheet C into sheet A.
- Empty sheet B and fill sheet B with new data.
- Add new aggregation result from sheet C to the data in sheet A.
- Repeat steps 4 and 5 until all data have been processed by sheet B.
- Set cell F9 above to aggregate from sheet A.
- The overall aggregated results are now presented in sheet C.





Consistency checks

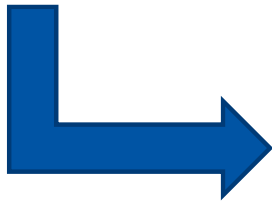
Nr	Type of check	Yes/No	Error messages resulting from the input data in Sheet A.
1	Correct specification of all State Names	Yes	
2	Only International State Pairs?	Yes	
3	Are all CO2 emissions from the input sheet included in the aggregated data?	Yes	
4	Correct emission specifications?	Yes	

Consistency checks

Nr	Type of check	Yes/No	Error messages resulting from the input data in Sheet A.
1	Correct specification of all State Names	No	There is/are 5 incorrect State Name(s) in Sheet A. Incorrect State Names are coloured in orange. Replace incorrect Name(s) by a correct State Name from the list in the sheet "ICAO MS". Note that a State Name can never end with a space.
2	Only International State Pairs?	Yes	
3	Are all CO2 emissions from the input sheet included in the aggregated data?	Yes	
4	Correct emission specifications?	No	There is/are 2 incorrect emission specifications in Column L in Sheet A. Incorrect emission specifications are values of 0, negative values or an input other than a number. The incorrect specifications are coloured in blue. Adjust the incorrect specifications or delete the rows from Sheet A.



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Examples of Good Practice

Spreadsheet for the aggregation of CO₂ emissions

In the context of [ACT-CORSIA Buddy Partnerships](#), a spreadsheet has been developed to assist with the aggregation of CO₂ emissions data in preparation of uploading this information on the CORSIA Central Registry. This spreadsheet is meant for use by CORSIA Focal points of ICAO Member States that do not have any other means available to aggregate the CO₂ emissions data that they receive from the aeroplane operators attributed to them.

The spreadsheet does not supersede or replace the reporting process described in Annex 16, Volume IV. The use of the spreadsheet is voluntary and must not be construed in any way as to pre-empt individual States' use of different software applications or other means for the aggregation of the data from aeroplane operators. Under their responsibility, CORSIA Focal points are free to use and adapt the spreadsheet to their own specific needs to comply with CORSIA reporting requirements.

Click [here](#) to download the Excel spreadsheet.



QUESTIONS?



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LIVE DEMONSTRATION



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THANK YOU

