



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE



Italy's experience in assessing Emissions Reports for CORSIA

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24 November 2020



1. EMPs Vs AERs

2. Order of Magnitude Check

- AER's analysis & checks

3. Italy's CO2 emissions for State Pairs

- CRT and CCR





ETS Committee

Interministerial Committee

(Ministries, including Ministry of Environment and ENAC)

AERs expected: 7



7 EMPs



7 Aeroplane operators



***AERs received: 6
+ 1 missing***





Order of Magnitude Check

AER's analysis:



- a. ICAO check list;
- b. Verification Report, misstatement and non-conformities;
- c. request of integrations and further information, follow up, if needed
- d. extraction and comparison with Eurocontrol's data;
- e. spot check and comparison with ICAO CERT's data.



ICAO check list

Volume IV. Procedures for demonstrating compliance with the Carbon Offsetting
and Reduction Scheme for International Aviation (CORSIA)
Chapter 3

3-49

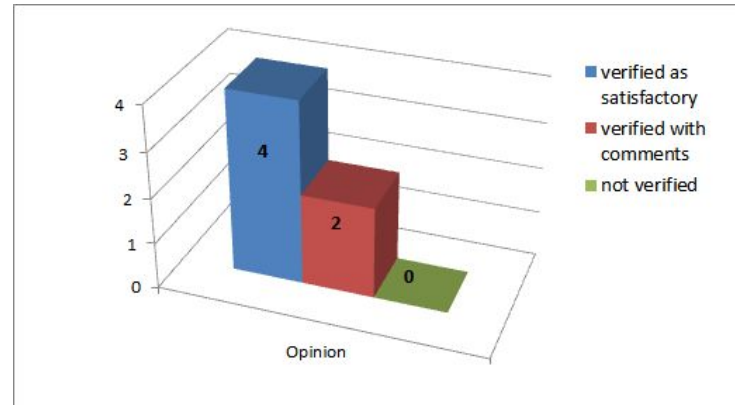
Table 3-9. State order of magnitude checklist for Emissions Report

No.	Question/Issue	Additional information	Status: OK/Yes/No/ Not Applicable	Notes and results of checks
Aeroplane operator				
1	Aeroplane operator/verification body both separately submit Emissions Report and Verification Report. Is the content of both submissions identical?	Minimum check: reported fuel consumption and number of flights. Get back to aeroplane operator in case of deviations.		
2	Is the name of the aeroplane operator given and unambiguous?	Ensure unambiguous identification of aeroplane operator. Get back to aeroplane operator in case of uncertainties.		
3	Is there a valid ICAO Designator for aeroplane operating agencies? Does it have the correct character length?	Ensure unambiguous identification of aeroplane operator. Get back to aeroplane operator in case of uncertainties.		
4	Basic information (address, AOC, etc.) plausible?	Ensure unambiguous identification of aeroplane operator. Get back to aeroplane operator in case of uncertainties.		
5	Has the aeroplane operator correctly identified its competent and responsible authority?	If there is indication of another State being in charge, get back to relevant State and aeroplane operator.		



Verification Report, misstatement and non-conformities

A	B
85	OPINION
86	OPINION - verified as satisfactory: We have conducted a verification of the greenhouse gas data [or Tonne-kilometre data] reported by the above Operator in its Annual Emissions Report [or Tonne-kilometre report] as presented above. On the basis of the verification work undertaken (see Annex 2) these data are fairly stated.
87	OPINION - verified with comments:
88	
89	Comments which qualify the opinion:
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98	
	OPINION - not verified:





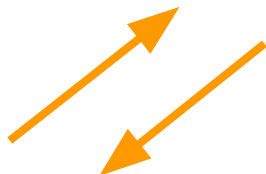
Request for integrations and further information, follow up

	Requests sent to AOs	number of AOs	AOs follow up
Ref.	AER's sheet: Emissions overview, par. 7, point c) - Percentage of international (CORSIA) flights for which data gaps occurred (rounded to nearest 0.1%)		
Q1	<i>Have the data gaps been considered and included in the list of CORSIA flights communicated in the "CORSIA EMISSIONS" sheet?</i>	6	5
Ref.	Check with ICAO CORSIA CERT		
Q2	<i>Request for aircraft type (spot check on a number of flights)</i>	6	5
Ref.	Check with Verification Report		
Q3	<i>CORSIA Verification Report</i>	1	1
Ref.	AER's sheet: CORSIA emissions		
Q4	<i>Delete domestic flights from the 'CORSIA EMISSIONS' sheet</i>	1	1
Ref.	VR's sheet: Opinion Statement (Aviation), opinion with comments/findings		
Q5	<i>Have the required corrections been sent to the verifier?</i>	3	3

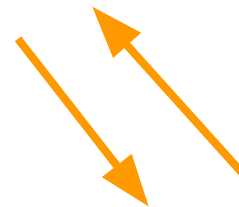


Comparison with data by Eurocontrol and ICAO CERT

Spot check on a number of flights



Eurocontrol's AERs



ICAO CERT



Italy's CO2 emissions for State Pairs

6 AERs

+

1 Eurocontrol's AER



Eurocontrol

CRT - CORSIA Reporting Tool



2 frequent mistakes:

- Syntax (e.i. emission factor, data gaps, ...)
- OMC (e.i. State name incorrect, airport not associated to correct State,...)

. csv file

**Italy's CO2 emissions for State
Pairs**



Italy's CO2 emissions for State Pairs

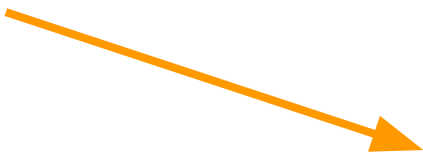
. csv file

*Italy's CO2 emissions for
State Pairs*



ICAO CCR

SARPs on CORSIA



**European
Commission**

Delegated Act, art. 7



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*thank you for your
attention !*

any question?



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24 November 2020