

CORSIA

EMISSIONS REPORT (ER)

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Template Information

Template provided by:	ICAO
Version (publication date):	2018-20-12

Note: For the purpose of this template, international flight is defined as in Annex 16, Volume IV, Part II, Chapter 1, 1.1.2, and Chapter 2, 2.1.

Note: This template has been partially filled out in red-colored text and represents an illustrative example of an ER for demonstration purposes only.

1 AEROPLANE OPERATOR IDENTIFICATION AND DESCRIPTION OF ACTIVITIES

a) Name of aeroplane operator

Please enter the name of the aeroplane operator. This name should be the legal entity carrying out the aviation activities.

A1 Airways

a1) Address of the aeroplane operator

Please enter the address of the aeroplane operator.

Address:	Airport Road 1
City:	Airport City
State/Province/Region:	
Postcode/ZIP:	123456
Country:	State A

a2) Contact person

Please enter the contact information of the person within the aeroplane operator who is responsible for the Emissions Report.

Title:	Director
First name:	Mary
Surname:	Air
Email address:	Mary.Air@A1A.ast
Telephone number:	(XXX) XX XXX-111
Address line 1:	Airport Road 1
Address line 2:	
City:	Airport City
State/Province/Region:	
Postcode/ZIP:	123456
Country:	State A

a3) Alternate contact person

Please enter the contact information of an additional person within the aeroplane operator who is responsible for the Emissions Report.

Title:	Technical Director
First name:	John
Surname:	Plane
Email address:	John.Plane@A1A.ast
Telephone number:	(XXX) XX XXX-222
Address line 1:	Airport Road 1
Address line 2:	
City:	Airport City
State/Province/Region:	
Postcode/ZIP:	123456
Country:	State A

a4) Legal representative

Please enter a contact address of a representative who is legally responsible for the aeroplane operator for official correspondence.

Title:	Director
First name:	Mary
Surname:	Air
Email address:	Mary.Air@A1A.ast
Telephone number:	(XXX) XX XXX-111
Address line 1:	Airport Road 1
Address line 2:	
City:	Airport City
State/Province/Region:	
Postcode/ZIP:	123456
Country:	State A

b) Aircraft Identification of the aeroplane operator for international flights (Item 7 of the flight plan)

Select the options used for reporting flight attribution to the aeroplane operator.

ICAO Designator

Does Item 7 (aircraft identification) of the flight plan begin with an **ICAO Designator** according to Doc 8585 — Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services? If yes, please select "ICAO Designator" from the drop down list and complete b1).

Registration marks

Does Item 7 (aircraft identification) of the flight plan correspond to the **nationality or common mark, and registration mark**, as explicitly stated in an **AOC** (or equivalent)? If yes, please select "Registration marks" from the drop down list.

ICAO Designator and registration marks

ICAO Designator: according to Doc 8585

Responsibility under the CORSIA

Aeroplane operator that has been assigned the ICAO designator

b1) ICAO Designator

Provide the ICAO Designator (or Designators) used for Air Traffic Control purposes, as listed in Doc 8585 — Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services, if the aeroplane operator has an ICAO Designator(s).

AXX

b2) Additional information on flight attribution

If during the monitoring period an additional attribution approach has been used to that identified in section b) and as explained in the EMP, please provide detailed information on the attribution process.

ICAO Designator AXX is used in item 7 of the flight plan. The designator AXX is used for all scheduled operations of A1 Airways.

c) Verification body

Contact information of the engaged accredited verification body.

Verification body:	Best AirVerifiers
Title:	Director
First name of verifier:	Carbon
Surname of verifier:	Neutral
Email address:	carbon.neutral@airverifiers.com
Telephone number:	XXX-XXX-XXX-00
Address line 1:	123 New Road
Address line 2:	
City:	Big City
State/Province/Region:	
Postcode/ZIP:	00AA00
Country:	State A

c1) Accreditation details

Please provide information regarding the national accreditation body.

Authorization based on:	Regulation 1X
Body / Authority:	National Accreditation Body
Number:	123XX456
Country:	State A

2 UNDERLYING BASIC INFORMATION OF THE EMISSIONS REPORT

a) Reporting year

Please provide the reporting year.

2019

b) End of reporting period

Usually the last day of the reporting year, as long as the operator has not ceased flight operations during the reporting year. Use the format yyyy-mm-dd.

2019-12-31

c) Date of issue

Date on which the Emissions Report was compiled. Use the format yyyy-mm-dd.

2020-01-18

d) Version

In case of multiple submissions, please enter the Emissions Report version number.

ER_1

e) Current Emissions Monitoring Plan

Please enter the version number of the approved Emissions Monitoring Plan on which this Emissions Report is based.

1

e1) Approval of the current Emissions Monitoring Plan

Please enter the date of the approval of the Emissions Monitoring Plan. Use the format yyyy-mm-dd.

2018-07-12

e2) Emissions Monitoring Plan is valid from

Please enter the date of validity of the current Emissions Monitoring Plan. Use the format yyyy-mm-dd.

2019-01-01

e3) Last update of the Emissions Monitoring Plan

Please enter the date of the Emissions Monitoring Plan on which basis this report was created. Use the format yyyy-mm-dd.

2018-07-12

e4) Was more than one approved Emissions Monitoring Plan version used during the reporting year?

Please choose "yes" if the Emissions Report is based on more than one Emissions Monitoring Plan.

no

e4.1) Explanation

Please explain in detail the implications of the use of several Emissions Monitoring Plans during the reporting year.

e5) Previous Emissions Monitoring Plan (if applicable)

Please list the previous Emissions Monitoring Plan version with version number and date of approval (if applicable).

N/A

f) Fuel Use Monitoring Method and / or the ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

Please indicate whether the aeroplane operator used the ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT) and whether the tool was used for all international flights or only for international flights not subject to offsetting requirements.

Fuel Use Monitoring Method A. ICAO CORSIA CERT was not used

g) Fuel Allocation with Block Hour

Please indicate whether the aeroplane operator used the Fuel Use Monitoring Method "Fuel Allocation with Block Hour" during the reporting year.

no

g1) Underlying aeroplane fuel burn

Please complete the table below with the average fuel burn (kg/h) for each aeroplane type as identified in the ICAO Aircraft Type Designator (ATD) which provided its routes per hour. It should be at least three different aircraft for the entire reporting year.

Additional information about ICAO ATD: Aircraft Type Designators can be found at: http://www.icao.int/icao/en/ATD/ATD_Airplane_Search.aspx

No.	ICAO aircraft type designator	Specific Fuel Burn (kg tonnes per hour)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
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3 AEROPLANE FLEET AND FUEL TYPES

a) Registration of all aeroplanes operated in the reporting year

Please list all aeroplanes with an MTOM greater than 5 700 kg (12 566 lbs) operated on international flights, as defined in Annex 16, Volume IV, Part II, Chapter 1, 1.1.2, and Chapter 2, 2.1, during the reporting period. If necessary, please attach a separate list.

Please enter the ICAO aircraft type designator, as specified in Doc 8643 — Aircraft Type Designators, the registration marks and state whether the aeroplane is owned or leased. Please mark with an "X" applicable fuel(s) type(s) for each ICAO aircraft type designator.

Additional information about Doc 8643 — Aircraft Type Designators can be found at:

<http://www.icao.int/publications/DOC8643/Pages/Search.aspx>

No.	ICAO aircraft type designators	Registration marks	Owned or leased	Fuel used			
				Jet-A	Jet-A1	Jet-B	AvGas
1	A320	A-BCDE	owned	X			
2	AT72	A-CDEF	owned	x			
3	B789	A-DEFG	owned	x			
4	DH8D	A-EFGH	owned	x			
5	E190	A-FGHI	leased	x			
6	MD11	A-GHIJ	leased	x			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

4 FUEL DENSITY

a) Fuel density

Please specify whether standard and / or actual density was used to determine the fuel uplift in the reporting year.

standard and actual density

a1) Consistency

Please confirm that the application of density data for CORSIA purposes is fully identical to the actual procedures used for operational and safety reasons.

yes

5 REPORTING

a) Aggregation level of reported data

Please select whether the aeroplane operator reports on a State pair or at an aerodrome pair level as advised by the State. If State pair level is chosen, please continue with "5.1 Reporting - State pairs". If aerodrome pair level is selected, please continue with "5.2 Reporting - Aerodrome pairs".

reporting on an aerodrome pair level

5 REPORTING - STATE PAIRS

Explanation: Please complete the table underneath. All State pairs operated during the reporting year have to be reported.

Note I: Please report both directions between State pair - if applicable (A-B and B-A)

Note II: If you used different type of fuel on one same State pair with different fuel conversion factors, you need to create an additional State pair and report the portion of the operations. Please note: emissions from CO₂A flights have to be calculated with the fuel conversion factors from corresponding aviation fuel.

Note III: Please also complete the CO₂A eligible fuel report template. If CO₂A eligible fuels were used during the reporting period.

a) Summary of reported international flights and emissions

Total CO ₂ emissions from international flights in tonnes	
Total CO ₂ emissions from flights subject to offsetting requirements in tonnes	
Total number of international flights during reporting period	
Total number of international flights subject to offsetting requirements	
Total emissions reductions claimed from the use of CO ₂ A eligible fuels (in tonnes)	

b) Summary of fuel quantities (in tonnes)

Jet A	
Jet A1	
Jet B	
AVTUR	

5 REPORTING - AERODROME PAIRS

Explanation: Please complete the list underneath. All aerodrome pairs that were operated during the reporting year have to be reported.

Note I: Please report both directions between aerodrome pairs if applicable (A-B and B-A).

Note II: If you used different type of fuels on the same aerodrome pair with different fuel conversion factors, you need to create an identical aerodrome pair and report this portion of fuel separately. Please note, emissions from CORSIA eligible fuels are calculated with the fuel conversion factor(s) from corresponding aviation fuels.

Note III: Please also complete the CORSIA eligible fuels supplementary information to the Emissions Report, if CORSIA eligible fuels were used during the reporting period.

a) Summary of reported international flights and emissions

Total CO ₂ emissions from international flights (in tonnes):	22943
Total CO ₂ emissions from flights subject to offsetting requirements (in tonnes):	
Total number of international flights during reporting period:	646
Total number of international flights subject to offsetting requirements:	
Total emissions reductions claimed from the use of CORSIA eligible fuels (in tonnes):	

b) Summary of fuel quantities (in tonnes):

Jet-A	7260
Jet-A1	
Jet-B	
AvGas	

6 DATA GAPS

Explanation: "Data gaps" are missing data which is necessary for the correct determination of CO₂ emissions but cannot be taken from primary sources anymore and cannot be reconstructed from secondary sources.

a) Did any data gaps occur during the reporting year?

yes

b) Is the threshold of 5 per cent for data gaps exceeded?

In 2019 and 2020, 5 per cent refers to international flights, as defined in Annex 16, Volume IV, Part II, Chapter 1, 1.1.2, and Chapter 2, 2.1.

From 2021 onwards, 5 per cent refers to international flights subject to offsetting requirements, as defined in Annex 16, Volume IV, Part II, Chapter 1, 1.1.2, and Chapter 3, 3.1.

The aeroplane operator using a Fuel Use Monitoring Method shall fill data gaps using the ICAO CORSIA CERT, provided that the data gaps during a compliance period do not exceed the thresholds described above.

Estimated emissions should then appear in spreadsheet 5.1 Reporting - State Pairs as separate State pairs (if reporting is done at State pair level) or in spreadsheet 5.2 Reporting - Aerodrome Pairs as separate aerodrome pairs (if reporting is done at aerodrome pair level).

no

b1) Per cent of data gaps

Please enter per cent of data gaps (according to criteria defined in Part II, Chapter 2, 2.5.1 and rounded to the nearest 0.1 per cent)

0.30%

b2) List of data gaps if the 9 per cent threshold has been exceeded in the reporting year

Please complete this table if the threshold has been exceeded.

No.	Reference <i>Describe the data gap, either by referencing the applicable sections, flight number and/or flight, and the data gap occurred during the year and the date or the period when the data gap occurred.</i>	Cause <i>Please describe the cause why the data gap occurred.</i>	Type <i>Describe the type of data gap, such as "partial" (measurement not available) "full" (all "available") etc.</i>	Recovery method <i>Describe the method of identifying affected data, such as increasing the frequency of data collection or your Database Monitoring Plan, or ... (add any)</i>	CO ₂ emissions (in 1000t) <i>Please the amount of CO₂ emissions and/or uncertainty of the data gap.</i>	Remarks
1						
2						
3						
4						
5						