



Session 3: ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)

ICAO Secretariat







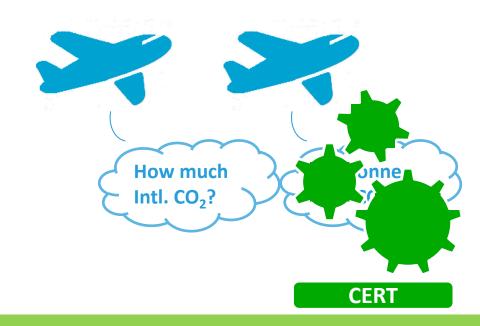


CERT

C RSA

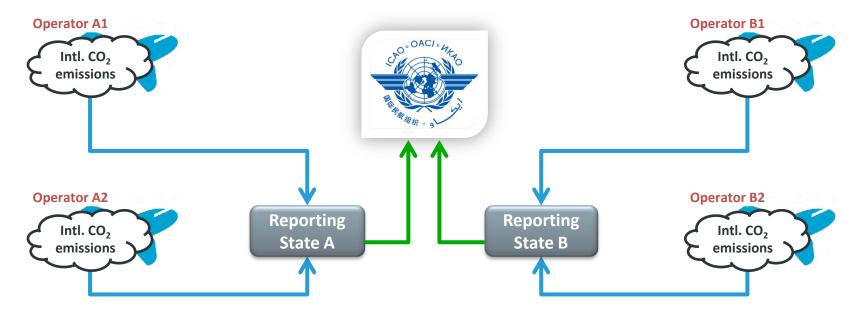


CERT is an ICAO tool to help Aeroplane Operators estimate and Report their international aviation emissions



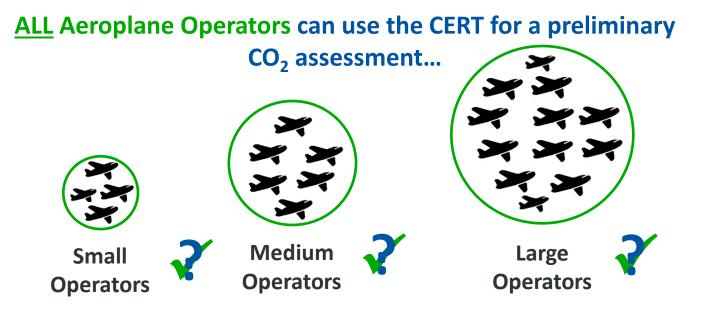


International Aviation Emissions Monitoring and Reporting from Aeroplane Operators is a CORSIA requirement



Note: Aeroplane Operators eligible to use the CERT, are also encouraged to use one of the five Fuel Use Monitoring Methods to monitor CO₂ emissions from international flights.





... but only some Aeroplane Operators can use the CERT as primary* means for CO₂ Estimation and Reporting

* Note: All Aeroplane Operators can use the CERT to fill data gaps (up to a certain number of flights)





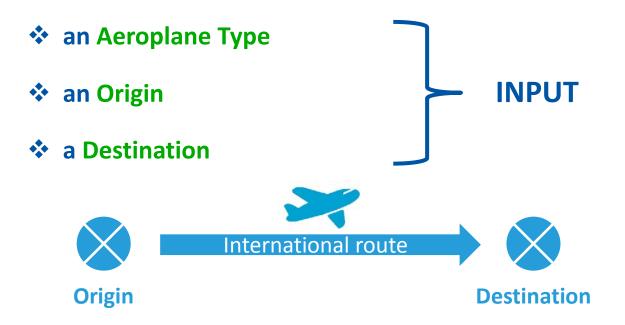
CERT	Aeroplane Operators International CO ₂ Emissions (tonnes) 2019-2020*				
Function / Use	≤ 10K CO ₂	< 500K CO ₂	≥ 500K CO ₂		
Preliminary CO ₂ Assessment	✓	\checkmark	✓		
CO ₂ Estimation & Reporting	No CORSIA requirement	\checkmark	Not Eligible to use CERT **		
Filling Data Gaps	No CORSIA requirement	\checkmark	\checkmark		

* Note: from 2021-2035 operators can use CERT to estimate and report emissions if their annual emissions from international flights subject to offsetting requirement are < 50 000 tonnes of CO₂ annually.

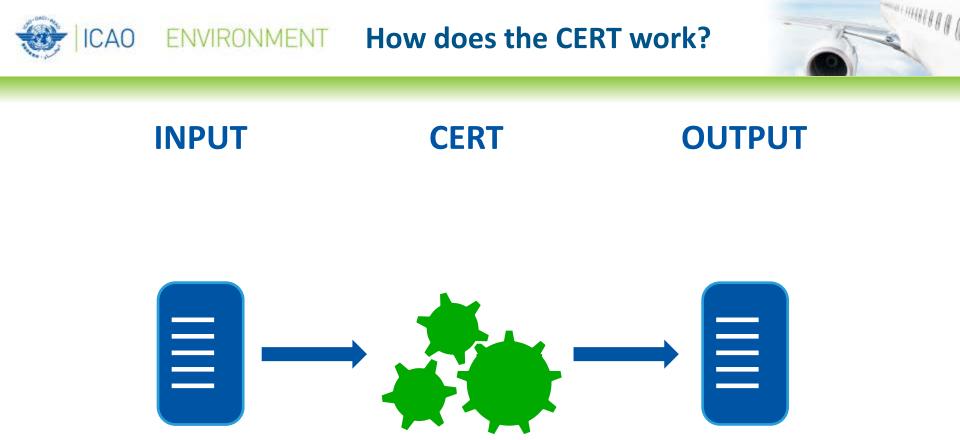
** Note: If an aeroplane operator uses CERT for 2019 CO_2 estimation and reporting (based on their preliminary CO_2 assessment) but exceeds the threshold of 500 000 tonnes in 2019, the State could permit the operator to continue to use CERT during 2020.

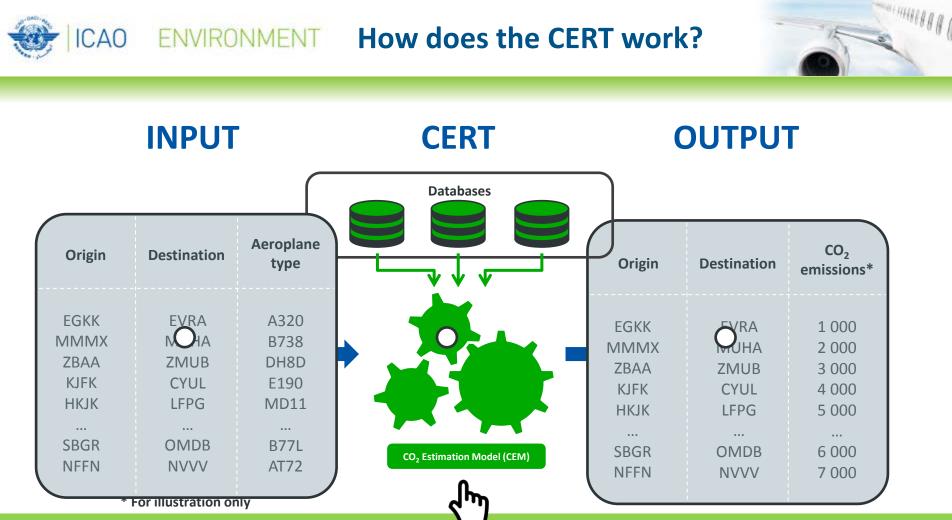


CERT is a flight-by-flight*-based tool requiring <u>only</u> 3 elements of input:



* Entry of batches of flights is allowed (i.e., number of flights in a year using the same aeroplane type and on the same aerodrome pair).











CORSIA - CERT



The CERT will have up to 4 functionalities:

	CO ₂ Est	CERT imation & Report	ing Tool
Year of Validity	2018 (Version 2018)	2019-2020 (Version 2019-2020)	2021-2035 (Version 2021-2035)
Estimation of CO ₂ for Determination of Simplified Compliance Procedures Eligibility	Yes	Yes	Yes
Report Generation Functionality	Partial*	Yes	Yes
Monitoring (Estimating CO ₂)	No	Yes	Yes
List of States pairs subject to offsetting requirement	No	No	Yes

* The 2018 Version of the CERT includes the functionality to generate a summary report of the assessment of the estimation of the Aeroplane Operators CO₂ emissions. The report can be used as supporting evidence for the operator's Emissions Monitoring Plan.

ICAO ENVIRONMENT How does the CERT work?

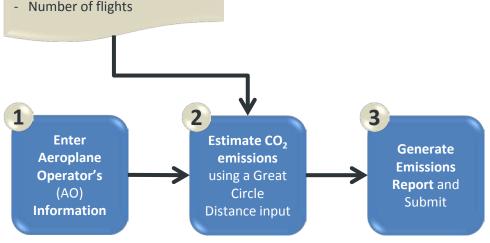
The CERT comprises a three-step process

- (1) Entering Aeroplane Operator's Basic Information
- (2) Entering Flight Data to estimate CO_2 **Emissions by entering:**
 - a) Aeroplane Type by ICAO Type Designator
 - **Origin-Destination Aerodrome** b)
 - Number of flights (if batches of **C**) flights are entered)

(3) Generating the Summary Assessment report in support for EMP submission

Flight Data:

- Aircraft type
- **Origin-Destination Aerodrome**
- Number of flights





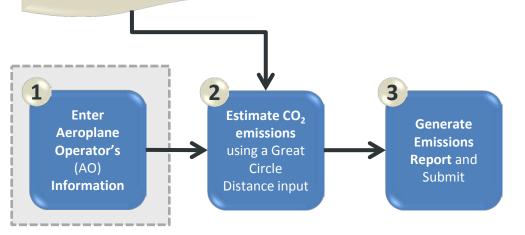


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STEP 1

Flight Data:

- Aircraft type
- Origin-Destination Aerodrome
- Number of flights







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	b) Address of the Aeroplane Operator Please enter the address of the Aeroplane Operator. Address Line: City: State/Province/Region: Postcode/ZIP: Country:	





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d) Aircraft Identification of the Aeroplane Operator for international flights (Item 7 of the flight plan) Select one of the three options below for reporting flight attribution under the CORSIA in Item 7 of the flight plan.

ICAO Designator

Does Item 7 (aircraft identification) of the flight plan begin with an ICAO Designator according to ICAO Document 8585, Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services? If yes, please select "ICAO Designator" from the drop down list and complete d2).

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 and complete d3).

d1) Responsibility under the CORSIA

d2) ICAO designator

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

Operator Name:

Notifying State:





	RSIA CO ₂ Estimation & Reporting Tool (CERT)	
	Step 1. Aeroplane Operator Identification	Totmo
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e) Do you have an Air Operator Certificate (AOC)?

The Aircraft Operator Certificate (AOC) is a certificate authorizing an operator to carry out specified commercial air transport operations i.e., a document issued to an Aeroplane Operator by a civil aviation authority which affirms that the Aeroplane Operator in question has the professional ability and organization to secure the safe operation of the aeroplane for the aviation activities specified in the certificate.

e1) Identification code of the AOC

Please enter the unique identification number of the Air Operator Certificate of the issuing civil aviation authority. If you hold several AOCs, list the additional certificates in the field "Information about the certificate".

e2) Date of issue

Please enter the date on which the Air Operator Certificate was issued. Use the entry format yyyy-mm-dd.

e3) Date of expiry

Please enter the date on which the Air Operator Certificate expires (if applicable). Use the entry format yyyy

e4) Competent authority for the AOC

Please enter the address of the authority that issued the AOC.

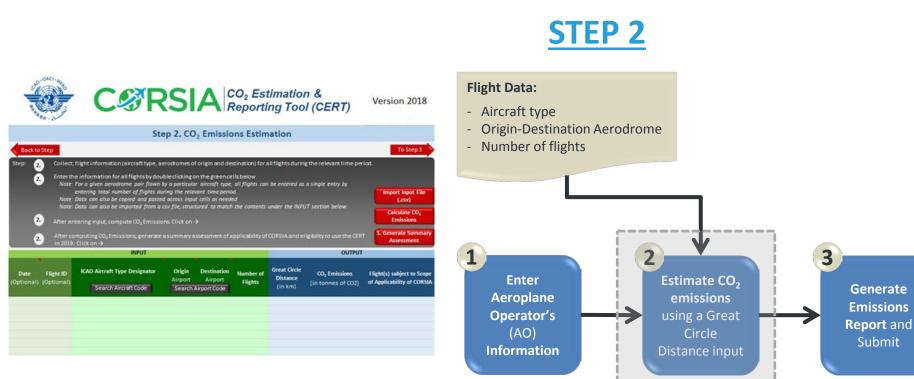
Name of the Authority:	
Address Line:	
City:	
State/Province/Region:	
Postcode/ZIP:	
Country:	



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INPUT *				OUTPUT *			
ICAO Aircraft Type Designator	Origin Airport	Destination Airport	Number of Flights	Great Circle Distance (in km)	CO₂ Emissions (in tonnes of CO ₂)	Flight(s) subject to Scope of Applicability of CORSIA	











INPUT *			OUTPUT *			
ICAO Aircraft Type Designator	Origin Airport	Destination Airport	Number of Flights	Great Circle Distance (in km)	CO₂ Emissions (in tonnes of CO ₂)	Flight(s) subject to Scope of Applicability of CORSIA
DH8D	EGKK	EVRA	100			
A320	MMMX	MUHA	100			
E190	KJFK	KMSY	100			
B789	НКЈК	LFPG	100			
MD11	SBGR	OMDB	100			
AT72	NFFN	NVVV	100			











INPUT *				OUTPUT *		
ICAO Aircraft Type Designator	Origin Airport	Destination Airport	Number of Flights	Great Circle Distance (in km)	CO₂ Emissions (in tonnes of CO ₂)	Flight(s) subject to Scope of Applicability of CORSIA
DH8D	EGKK	EVRA	100	1,697	969	Yes
A320	MMMX	MUHA	100	1,772	2,119	Yes
E190	KJFK	KMSY	100	1,903	1,843	No (Domestic)
B789	НКЈК	LFPG	100	6,481	13,197	Yes
MD11	SBGR	OMDB	100	12,217	37,053	Yes
AT72	NFFN	NVVV	100	968	473	Yes



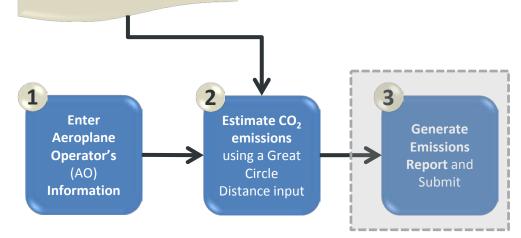


34		RSI		Estimation & rting Tool (CE	Version 201
100			Repo	rung 1001 (CE	RI)
tep 3	3. Summary of Asses	sment of Applic	ability of COR	SIA and Eligibility t	to Use the CERT in 201
ack to S	tep 2				
F (1.					
8					Generate Copy Summary Assess
3.					
	Save a copy for your records. In Mothods and means for calculat Assessment to its State along wi	ing emissions from intern th the Emissions Monitori	ational flight, the Aeros ing Plan.		
A	eroplane Operator Information				
	a) Name of the Aeroplan	e Operator			
	b) Address of the Aeropla Address Une:	ane Operator			
	City:				
	State/Province/Region: Postcode/ZIP:				
	Country:				
	d) Aircraft Identification	of the			
	Aeroplane Operator fo				
	d2) ICAO designator				
	e1) Identification code of	the AOC			
	e4) Competent authority i	ing the ADC			
	Name of the Authority:				
	Address Line: City:				
	State/Province/Region:				
	Postcode/ZIP: Country:				
Es	timated CO ₂ Emissions and Status	of Aeroplane Operator		Alata Participation	for all international State Pairs. For
To	stal Annual Estimated CO ₂ Emissio	ns (International) :	53,811	1 CO ₃ 2022 version of the C Poirs with offsetting	For an events will be split between 3 requirements and State Pairs not sul ments (see Annex 16 Volume IV, Cha
TA	ital Annual Estimated CO2 Emissi	ons (Domestic) :	1,843	of Annex 16 Volume	ition is outside the scope of opplicab IV. Informationis provided for awars ont domestic flights are entered in th
	atus of Aeroplane Operator:			input tobles.	
	roplane Operator under Scope of (Le., Annex 26 Volume IV Cho		Yes		
A	eroplane Operator eligible to use		ICAO CORSIA CERT Yes		
			Fuel Use Monitoring Yes	Methoi Note For details o Annex 16 Volume IV Volume IV.	n Fuel Use Manitoring Methods refe Chapter 2 and Appendix 2 and ETM
D	stalled Estimated CO ₂ Emissions b	ry State Pairs			
				Flight(s) on Route under	CO, Emissions
st	ate of Origin Aerodrome(s)	State of Destinatio	n Acrodrome(s)	Scope of Applicability of CORSIA	[in tennes of CO]]
	#2/l	United Arab Emiral	tes	Yes	3
E E	ji mya	Vanuatu France		Yes	1
M	exico	Cuba		Yes	
U	sited Kingdom	Latvia		Yes	

STEP 3

Flight Data:

- Aircraft type
- Origin-Destination Aerodrome
- Number of flights







		R 3	Rep	ortin	mation & g Tool (CERT)	Version 2018
	p 3. Summary of Assessme	nt of Applic	ability of COI	RSIA a	nd Eligibility to Us	e the CERT in 2019
	3. Review the Summary of Assessment of	Ample ability of Am	nar 16 Volume IV / ha	ter?sr	alizability to use the 17 AO /7	INACCUTIN 2019
	If complete and accurate, generate a pr					Generate Copy of
	 Save a copy for your records. In accord: 				n 2.3.1.1 a) on the supporting enator can submit to a copy fo	Summary Assessment (Information on 1) the Summary
5	Assessment to its State along with the I Aseroplane Operator Information	missions Monitori	ng Plan.			
	a) Name of the Aeroplane Ope	rator				
	b) Address of the Aeroplane Op					
	Address Line: City:					
	Lity: State/Province/Region:					
	Postcode/ZIP:					
	Country:					
	d) Aircraft Identification of the Aeroplane Operator for					
	d2) ICAO designator					
	c1) Identification code of the AC	x				
	e4) Competent authority for the	400				
	Name of the Authority:	HOC				
	Address Line:					
	State/Province/Region:					
	Postcode/ZIP:					
	Countrys					
	Estimated CO. Emissions and Status of Am	oplane Operator				
					Note Emissions are for all	
				le co		internationalState Pairs. For the
	Total Annual Estimated CO ₂ Emissions (Int	ernational) :	53,811	1001	Pairs with offsetting require	is total will be split between Stati ments and State Pairs not subjec
				t CO1	Pairs with offsetting require to offsetting requirements (Note Domestic aviation is of Annex 16 Volume IV. Info	is total will be split between Stati ments and State Pairs not subjec see Annex 16 Valume IV, Chapter sutside the scope of applicability mation's provided for awarens
E'	Total Annual Estimated CO ₂ Emissions (Int				Pairs with offsetting require to affsetting requirements (Note Domestic aviation is o of Annex 36 Volume IV. Info of tool user in the event dom	is total will be split between Stab ments and State Pairs not subjec see Annex 16 Volume IV, Chapter outside the scope of applicability
8	Total Annual Estimated CO ₂ Emissions (Int Total Annual Estimated CO2 Emissions (Or Status of Aeroplane Operator:	omesticj :	1,841		Pairs with offsetting require to offsetting requirements (Note Domestic aviation is of Annex 16 Volume IV. Info	is total will be split between Stati ments and State Pairs not subjec see Annex 16 Valume IV, Chapter sutside the scope of applicability mation's provided for awarens
8	Total Annual Estimated CO ₂ Emissions (Int Total Annual Estimated CO2 Emissions (De	omesticj :			Pairs with offsetting require to affsetting requirements (Note Domestic aviation is o of Annex 36 Volume IV. Info of tool user in the event dom	is total will be split between Stati ments and State Pairs not subjec see Annex 16 Valume IV, Chapter sutside the scope of applicability mation's provided for awarens
	Total Annual Estimated CO ₂ Emissions (int Total Annual Estimated CO2 Emissions (in Status of Aeroplane Operator: Aeroplane Operator under Scope of Appli	omesticj :	1,841		Pors with offsetting requirements (to affsetting requirements (Note: - Domestic avisitans i of offset avises in the event dom input tables.	is total will be spit between State events and State Pairs not subject are Annex 36 Volume IV, Chapter autside the scope of applicability matching provided for awareness restic flights are entered in the
8	Total Annual Estimated CO ₂ Emissions (last Total Annual Estimated CO2 Emissions (los Status ef Aemplane Operator Aemopiane Operator under Scope of Appli (Le., Annez 28 Volume IV Chipter 2)	omesticj :	1,842 Yes ICAO CORSIA CERT] t co,	Pors web officeting requirements (Note - Domestic aviation) Note - Domestic aviation (of Annex & E Volume 17. Inflo of Isol user in the event dom input tables.	is total will be split between Stati ments and State Pairs not subjec see Annex 16 Valume IV, Chapter sutside the scope of applicability mation's provided for awarens
8	Total Annual Estimated CO ₂ Emissions (last Total Annual Estimated CO2 Emissions (los Status ef Aemplane Operator Aemopiane Operator under Scope of Appli (Le., Annez 28 Volume IV Chipter 2)	unnestic) ; cability of CORSIA	S.842 Yes KAO CORSIA CERT Yes Fuel Use Menitoria] t co,	Pors who offsetting requirements (to offsetting requirements (Note - Domestic analytism is offance as Bi Volume IV. info of tool user Bi Volume IV. info of tool user Bi Volume IV. Note - Pardetals on Fuel I. Note - Pardetals on Fuel I.	In bata We sayit between State and State State State State are Annex 16 Volume IV, Chapter Junkie the scope of applicability metablick provider for overvirus watic flights are entered in the sate Manntaining Methada refer to
5	Total Annual (chinaded CO, Insisten (M Total Annual Collambid CO) Environment Status of Annual Collambid (a.e. Annu 21 Values (Y Collaboration) (b.e. Annu 21 Values (Y Collaboration) Annuphene Operator eligibilito to use; Detailed Extended CO, Environme Ny Radi	mestic) : tability of CORSIA	5.842 Yes PCAO CORSIA CERT Yes Fuel Use Meniltori Yes] t CO ₂] g Metho	Pors skill officting require the officting requirements () to directing requirements () direction of the sent don applications in the sent don applications in the sent don applications in the sent don applications of the sent don applicat	In bata We sayit between State and State State State State are Annex 16 Volume IV, Chapter Junkie the scope of applicability metablick provider for overvirus watic flights are entered in the sate Manntaining Methada refer to
	Total Annual (chinaded CO, Insisten (M Total Annual Collambid CO) Environment Status of Annual Collambid (a.e. Annu 21 Values (Y Collaboration) (b.e. Annu 21 Values (Y Collaboration) Annuphene Operator eligibilito to use; Detailed Extended CO, Environme Ny Radi	unnestic) ; cability of CORSIA	5.842 Yes PCAO CORSIA CERT Yes Fuel Use Meniltori Yes] t CO ₂] g Metho	Poins with offsetting requirements (in offsetting requirements (in offsetting requirements (in offset in offsetting in offsetting in offsetting of Annae & Volume V. Info of Inou Jeans in the event doer input tables. Note: - For details on Fuel 1 Annae & Volume IV.	In botal We spith between 31ster method sold behaves not subject are Annex 2.6 Yokaner V.C. Roger methods for sources of a generality methods provided for ownervous exists (fights are entered in the sols (fights are entered in the the Maintoning Methods rafer to the Adaptendis 2 and ETM
5	Total Annual (clinicated CO, feninisms (of Total Annual (clinicated CO) Emission (of Status of Annual (clinicated CO) Emission (of Status of Annual Aribidant (CO) Emission (of Annual (Lance 24) Annual (Clinicated CO), tension (of Annual (Lance do CO), tension (of Annual (Lance do CO), Annual (Clinicated CO), tension (of Annual (Lance do CO), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), tension (of Annual (Lance do C), Annual (Lance do C), A	mensile(); cability of CORSIA Pains Nate of Destimation United Arab Enviro	S.842 Yes RCAO CORSIA CERT Yes Fael Use Menitori Yes] t CO ₂] g Metho	Areas with officients or requirements for difficulty or requirements for the difficulty or requirements for di basi user in the event dan input tables. Notes - Fornieteits an Fuel Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 A Volume /V. Annu	a hadrar die walt between Stern of Lagree een konst beste die Stern of Lagree een konst beste die Stern of Lagree hadron and Lagree stern of Lagree stern of Lagree stern of Lagree stern of Lagree stern of Lagree stern of Lagree stern of Lagree (Lagree stern of Lag
	Total Annual Collimated CO, Instalants (M Total Annual Collimated CO) Environments Total Annual Collimated COD Environments Total Collimate Collimated COD Environments Total Collimate Collimated COD Environments Total Collimate Collimated Collimated Collimates Total Collimates	mentic) ; cability of CORSIA Pains State of Pestimation United Arab Enerat	S.842 Yes RCAO CORSIA CERT Yes Fael Use Menitori Yes] t CO ₂] g Metho	Areas set of generating requirements for different programmers for the formation of the formation of direct and an extension of model of a flast cause in the event dark stands for found a worker for the found and set of the formation for the found and the formation for the found and the formation of the found and the formation of the found and the formation of the found and the formation formation of the found and the fou	a hadra de pair best-ens tito, en el la construcción de la construcción en el construcción de la construcción materia partecial de la construcción materia partecial de la construcción de Manteriano de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la construcción de la
	Total Annual Utilination (C.S. (Initialized (C.S. Taribit Annual Catillation) (C.S. (Initialized (C.S. Martine (Catillation) (C.S. (Initialized (C	mensile(); cability of CORSIA Pains Nate of Destimation United Arab Enviro	S.842 Yes RCAO CORSIA CERT Yes Fael Use Menitori Yes] t CO ₂] g Metho	Areas with officients or requirements for difficulty or requirements for the difficulty or requirements for di basi user in the event dan input tables. Notes - Fornieteits an Fuel Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 Volume /V. Annue 32 A Volume /V. Annu	a hadra with a with between Sterio and Stage and Stage Sterio and Stage Sterio ene Konst Stronger V. Charlos Stage Sterio and Stage Sterio and Stage Sterio Sterio Sterio and Stage Sterio and Stage Charles Sterio Stage Sterio and Stage Charles Sterio Sterio and Stage Sterio Sterio Sterio Sterio and Stage Sterio Steri

Store and a start of the store	C R	SIA	CO₂ Estima Reporting	tion & Tool (CERT)	Version 2018
Step 3. Summ	ary of Assessment of A	Applicability	of CORSIA and	Eligibility to Use th	ne CERT in 2019
Back to Step 2					
Step: 3. Review the	Summary of Assessment of Applicabi	ility of Annex 16 Volu	me IV Chapter 2 and elig	bility to use the ICAO CORSIA (CERT in 2019.
3. If complete	and accurate, generate a pdf copy of	the assessment by c	licking on 🗲		Generate Copy of Summary Assessmer
Methods an	/ for your records. In accordance with nd means for calculating emissions fro It to its State along with the Emissions	om international fligh			
A Aeroplane Ope	erator Information				
a) Nam	ne of the Aeroplane Operator				
b) Add	ress of the Aeroplane Operator				
Addr	ress Line:				
City:					
State	e/Province/Region:				
Post	code/ZIP:				
Cour	ntry:				
al) Airce	raft Identification of the				
	oplane Operator for				
d2) ICAC) designator				
e1) Iden	tification code of the AOC				





		e4) Competent authority for	the AOC			
	/1	Name of the Authority:				
CORSIA CO2 Estimation & Version 2018		Address Line:				
No		City:				
tep 3. Summary of Assessment of Applicability of CORSIA and Eligibility to Use the CERT in 2019		State/Province/Region:				
ck to Step 2		Postcode/ZIP:				
😥 Review the Summary of Assessment of Applicability of Annex 36 Volume IV Chapter 2 and eligibility to use the ICAD CORSIA CERT in 2019.		Country:				
If complete and accurate, generate a pdf copy of the assessment by clicking on Generale Copy of Summary Assessment						
3. Save a copy for your records. In accordance with Annex 18 Volume IV, Appendix II, Section 2.3.1.1 a) on the supporting information on						
Methods and means for calculating emissions from international flight, the Aeroplane Operator can submit to a copy fo the Summary Assessment to its State along with the Emissions Monitoring Plan.	в	Estimated CO ₂ Emissions and Status of	Aeroplane Operator			
Aeroplane Operator Information					Nota Emissions are for	Ill international State Pairs. For the
a) Name of the Aeropiane Operator		Total Annual Estimated CO ₂ Emissions	(International) :	53,811 t CO		this total will be split between State
		Total Annual Estimated CO ₂ Emissions	(international).	33,011 (00		irements and State Pairs not subject
b) Address of the Aeroplane Operator Address Line:						s (see Annex 16 Volume IV, Chapter
Uny: State/Province/Region:						
Pestcode/ZIP: Country:		THE ISIN LOOPE 1	(0	4.040 1.00	Note Domestic aviation	is outside the scope of applicability
d) Aircraft Identification of the		Total Annual Estimated CO2 Emissions	(Domestic) :	1,843 t CO		formation is provided for awareness
Aeroplane Operator for						omestic flights are entered in the
d2) ICAO designator					input tables.	
e1) Identification code of the AOC	2	Status of Aeroplane Operator:				
e4) Competent authority for the ADC Name of the Authority:		Aeroplane Operator under Scope of Ap		Yes		
Address Une: Cityl		(i.e., Annex 16 Volume IV Chapte	r 2)			
State/Province/Region: Postcode/ZIP:						
Countrys		Aeroplane Operator eligible to use;		ICAO CORSIA CERT		
Estimated CO ₂ Emissions and Status of Aeropiane Operator				Yes		
Total Annual Estimated CO ₂ Emissions (International): 53,811 1 CO ₂ 2021 version of the CERT, this total will be split between State						l Use Monitoring Methods refer to
Poirs with offsetting requirements and State Pairs not subject to affsetting requirements (see Annex 16 Volume IV, Chapter				Fuel Use Monitoring Me	Annex 10 volume iv chu	oter 2 and Appendix 2 and ETM
Total Annual Estimated CO2 Emissions (Domestic) : 1,843 (CO2 Note - Domestic pulsters is outside the scope of applicability				Yes	Volume IV.	
of Annex & Volume IV. Informationic provided for awareness of tool user in the vent domestic flights are entered in the input tooles.						
Status of Aeroplane Operator: Aeroplane Operator under Scope of Applicability of CORSIA Yes	С	Detailed Estimated CO ₂ Emissions by S	tate Pairs			
(I.e., Annex 26 Volume IV Chapter 2)						
Aeroplane Operator eligible to use; ICAO CORSIA CERT Yes					light(s) on Route under	CO ₂ Emissions
Fuel Use Menitoring Method: Annex 16 volume /v Chapter 2 and Appendix 2 and TM		State of Origin Aerodrome(s)	State of Destinatio	<u>n</u> Aerodrome(s) S	cope of Applicability of	[in tonnes of CO ₂]
Yes Volume IV.					CORSIA	
Detailed Extinuted CO ₂ Emissions by State Pairs		Brazil	United Arab Emirat	les	Yes	37,053
Flight(s) on Roste under CO, Emissions State of Origin Aerodrome(s) Scape of Applicability of CO,		Fiji	Vanuatu		Yes	473
CORNA In torner of CO _] CORNA In torner of CO _] CORNA In torner of CO _] CORNA		Kenya	France		Yes	13,197
Fiji Vanuatu Yes 47 Kenya France Yes 13,13		Mexico	Cuba		Yes	2,119
Mexico Cuba Yes 2,11 United Kingdom Latvia Yes 56		United Kingdom	Latvia		Yes	969
preservatore prize						





What are the benefits of the CERT?

- **☑** Easy-to-use tool
- ✓ Simplifies CO₂ estimation tasks for all users (Operators and States)
- **☑** ICAO-approved tool
- **☑** Available free of charge



☑ Available on the ICAO CORSIA website for download





And now a live demo of the CERT



CORSIA - CERT







