



ICAO

RECONNECTING THE WORLD



Update of CORSIA Implementation

ICAO Secretariat

Blandine Ferrier
ENV Officer

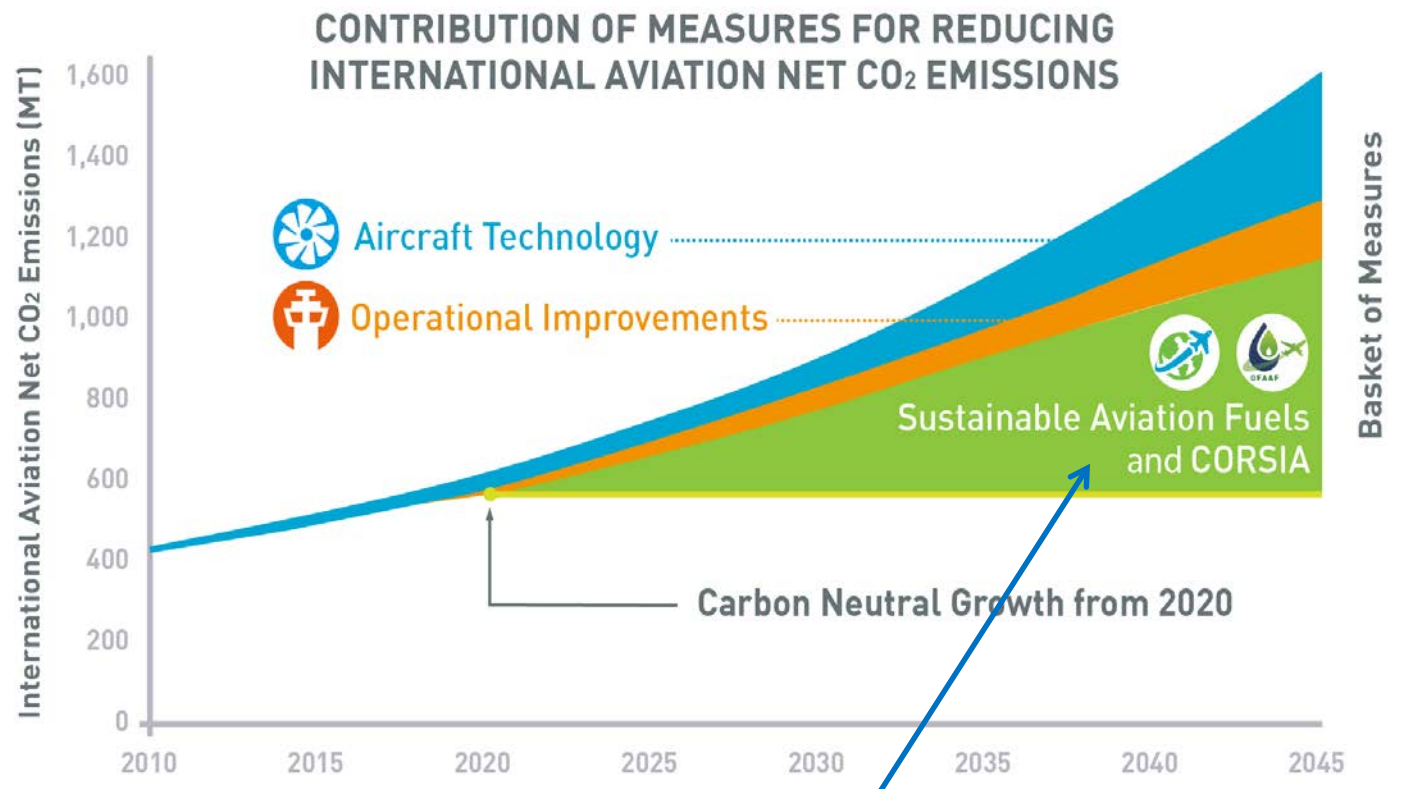


CORSIA

The first global market-based measure for any industry sector

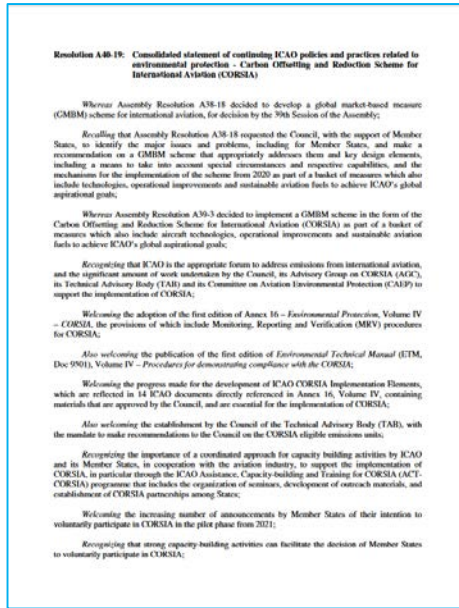
To achieve ICAO’s global aspirational goal of carbon neutral growth from 2020 (CNG 2020), CORSIA is **one complementary element in the basket of measures to:**

- aircraft technology
- operational improvements
- sustainable aviation fuels

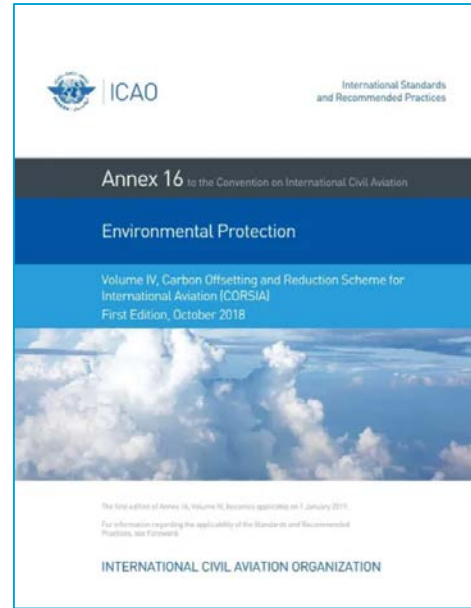


CORSIA addresses the remaining “emissions gap” to achieve CNG2020

CORSIA Implementation Package



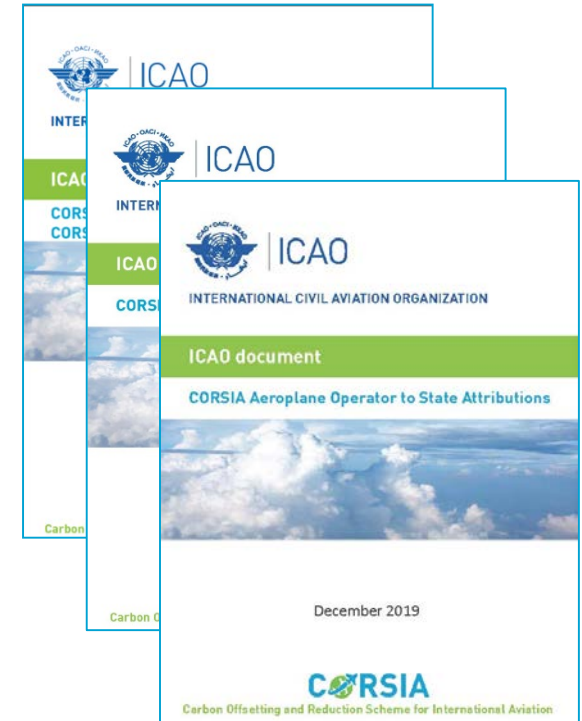
Assembly Resolution A40-19



Annex 16, Volume IV (CORSIA SARPs)



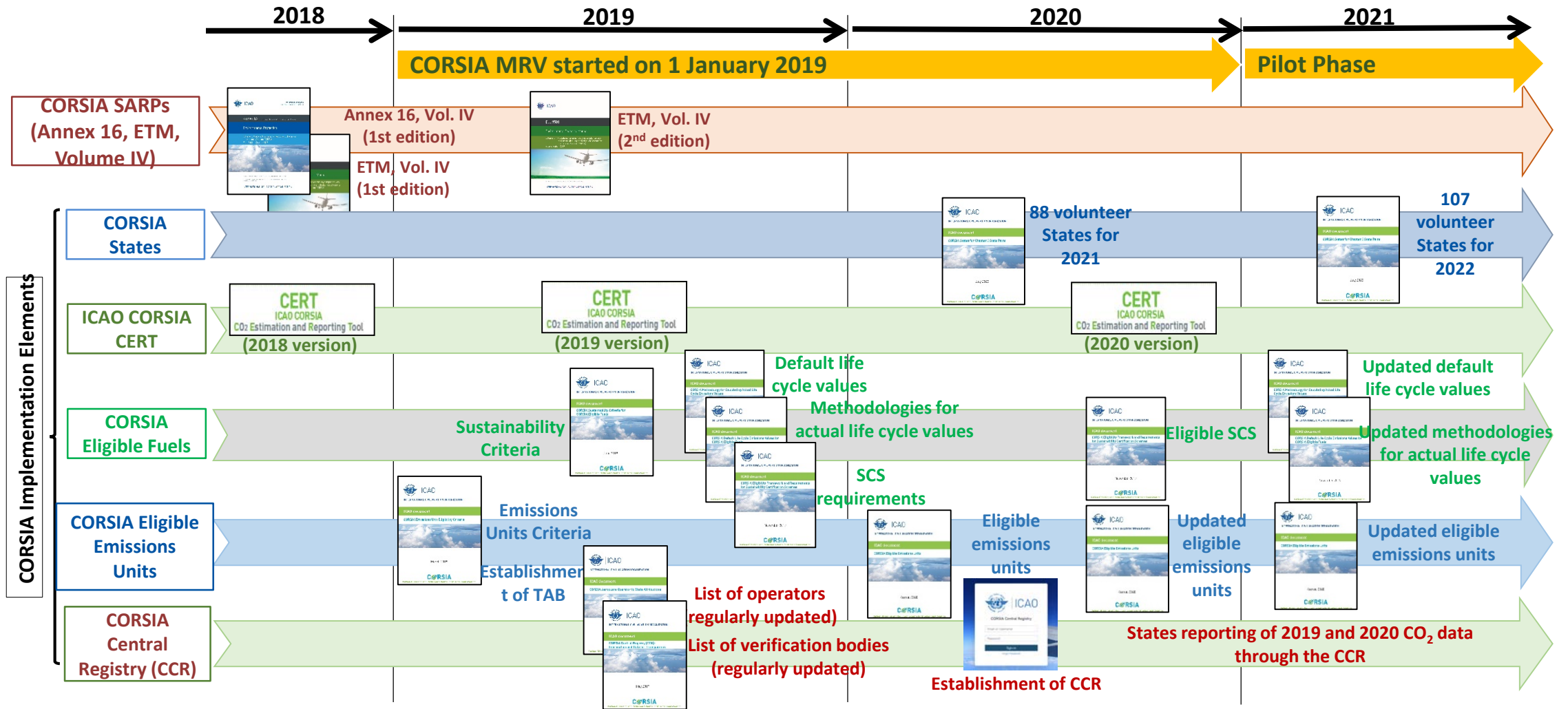
Doc 9501 (ETM), Vol. IV (CORSIA) (2nd edition)



CORSIA Implementation Elements (ICAO documents)

All essential elements for CORSIA implementation were finalized, ahead of CORSIA's pilot phase from 2021, and these elements are kept updated

Overview of CORSIA Implementation Status



107 CORSIA Volunteer States for 2022

Afghanistan	El Salvador	Kenya	Republic of Korea
Albania	Equatorial Guinea	Latvia	Republic of Moldova
Armenia	Estonia	Lithuania	Romania
Australia	Finland	Luxembourg	Rwanda
Austria	France	Madagascar	San Marino
Azerbaijan	Gabon	Malaysia	Saudi Arabia
Belgium	Georgia	Malta	Serbia
Benin	Germany	Marshall Islands	Singapore
Bosnia and Herzegovina	Ghana	Mexico	Slovakia
Botswana	Greece	Monaco	Slovenia
Bulgaria	Guatemala	Montenegro	Spain
Burkina Faso	Guyana	Namibia	Sweden
Cameroon	Honduras	Netherlands	Switzerland
Canada	Hungary	New Zealand	Thailand
Costa Rica	Iceland	Nigeria	Turkey
Côte d'Ivoire	Indonesia	North Macedonia	Uganda
Croatia	Ireland	Norway	Ukraine
Cyprus	Israel	Papua New Guinea	United Arab Emirates
Czechia	Italy	Philippines	United Kingdom
Democratic Republic of the Congo	Jamaica	Poland	United Republic of Tanzania
Denmark	Japan	Portugal	United States
Dominican Republic	Kazakhstan	Qatar	Zambia



Bahamas
Grenada
Palau
Trinidad and Tobago
Barbados
Kiribati
Saint Kitts and Nevis
Tuvalu
Belize
Mali
South Sudan
Vanuatu
Cook Islands
Nauru
Suriname
Gambia
Oman
Tonga
Uruguay

19 additional States volunteered to participate from 2022, making a total of **107 Volunteer States**

Benefits of CORSIA Participation

- **More States join CORSIA = More covered emissions**
 - Higher environmental effectiveness
 - Brings ICAO closer to meeting its global aspirational goal of carbon neutral growth
- Participating in CORSIA will increase the demand for the emissions units to be purchased by aeroplane operators, thus **increasing incentives to invest in emissions reduction projects in participating States**
- Participating States will be given **priority within the ACT-CORSIA** capacity building and assistance programme

ICAO ACT CORSIA Programme

ICAO Assistance, Capacity-building and Training on CORSIA (ACT-CORSIA):

ACT CORSIA is a **coordinated approach** to harmonize and bring together all relevant actions and promote **coherence to capacity building efforts for CORSIA implementation** – also enabling the **monitoring of global progress / transparency**

CORSIA Buddy Partnerships

Seminars, Online Tutorials

Brochures, Leaflets, Videos

Frequently Asked Questions

CORSIA Monthly Newsletters

- Buddy Partnerships – cornerstone of ACT-CORSIA to support States to prepare for CORSIA implementation
- Technical experts from supporting States voluntarily helping support-requesting States, by providing on-site training and closely monitoring the required actions



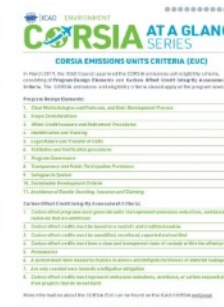
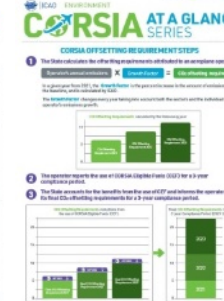
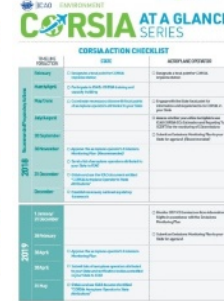
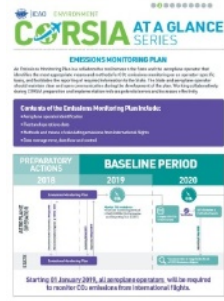
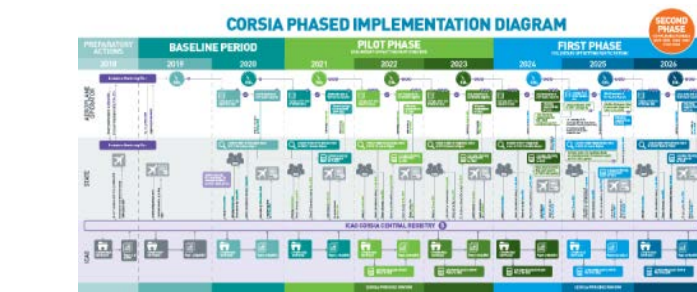
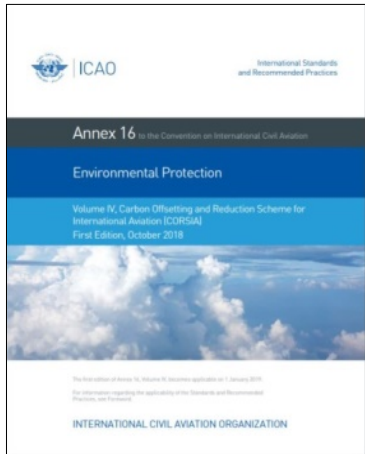
ICAO ACT CORSIA Buddy Partnerships

- Different phases with specific focus areas in order to support necessary actions by States with different timelines
 - Phase I (Sep 2018 – Apr 2019): 15 supporting States and 98 requesting States
 - Development and approval of Emissions Monitoring Plans
 - Establishment of national/regional regulatory frameworks
 - Phase II (May 2019 – Apr 2020): 16 supporting States and 114 requesting States
 - CO₂ Emissions reporting and verification
 - Phase III : 16 supporting States and 118 requesting States
 - 2020 – 2021 activities: Use of the CORSIA Central Registry (CCR)
 - 2022 activities: Focus on 2021 reporting and CEF reporting

ACT >>> CORSIA <small>Phase III</small> Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA	KENYA
1. BRUNEI DARUSSALAM	1. RWANDA
2. INDONESIA	2. SEYCHELLES
3. NAURU	3. SOUTH SUDAN
4. PAPIA NEW GUINEA	4. UGANDA
5. SRI LANKA	
6. THAILAND	NEW ZEALAND
	1. FIJI
BRAZIL	2. SAMOA
1. ANGOLA	3. SOLOMON ISLANDS
2. CABO VERDE	4. VANUATU
3. MOZAMBIQUE	
4. SAO TOME AND PRINCIPE	NIGERIA
	1. GAMBIA
CANADA (Facilitated by CASSOS)	2. GHANA
1. ANTIQUA AND BARBUDA	3. LIBERIA
2. BARBADOS	4. SIERRA LEONE
3. GUYANA	5. SUDAN
4. HAITI	
5. JAMAICA	REPUBLIC OF KOREA
6. SURINAME	1. LAO PEOPLE'S D. R.
7. TRINIDAD AND TOBAGO	2. MONGOLIA
	3. PAKISTAN
CANADA / FRANCE	4. PHILIPPINES
1. BENIN	5. VIETNAM
2. BURKINA FASO	
3. BURUNDI	QATAR
4. CAMEROON	1. SAUDI ARABIA
5. CENTRAL AFRICAN REPUBLIC	2. IRAQ
6. CHAD	3. KUWAIT
7. COMOROS	4. LIBYA
8. CONGO	5. OMAN
9. DJIBOUTI	
10. D. R. OF CONGO	SINGAPORE
11. GABON	1. COOK ISLANDS
12. GUINEA	2. KIRIBATI
13. MADAGASCAR	3. MARSHALL ISLANDS
14. MALI	4. PALAU
15. MAURITANIA	5. TONGA
16. MAURITIUS	6. TUVALU
17. NIGER	
18. SENEGAL	SOUTH AFRICA
19. TOGO	1. BOTSWANA
	2. ESWATINI
FRANCE (* Facilitated by ACAD)	3. LESOTHO
1. ALGERIA *	4. MALAWI
2. COTE D'IVOIRE	5. NAMIBIA
3. MOROCCO *	6. ZAMBIA
4. SAUDI ARABIA *	7. ZIMBABWE
5. TUNISIA *	
	SPAIN (* Facilitated by COCESMA)
GERMANY	1. BELIZE *
1. ALBANIA	2. BOLIVIA
2. ARMENIA	3. COSTA RICA *
3. AZERBAIJAN	4. CUBA
4. BELARUS	5. EL SALVADOR *
5. GEORGIA	6. EQUATORIAL GUINEA
6. KAZAKHSTAN	7. GUATEMALA *
7. NORTH MACEDONIA	8. HONDURAS *
8. REPUBLIC OF MOLDOVA	9. MEXICO
9. SERBIA	10. NICARAGUA *
10. TAJIKISTAN	11. PERU
11. TURKMENISTAN	12. URUGUAY
ITALY	USA
1. BAHAMAS	1. ARGENTINA
2. COLOMBIA	2. DOMINICAN REPUBLIC
3. ERITREA	3. ECUADOR
4. ETHIOPIA	4. PANAMA
5. PARAGUAY	
6. SOMALIA	
7. UNITED REPUBLIC OF TANZANIA	
JAPAN	
1. AFGHANISTAN	
2. BANGLADESH	
3. BHUTAN	
4. CAMBODIA	
5. MALAYSIA	
6. MYANMAR	



16 SUPPORTING STATES
118 REQUESTING STATES



Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

CORSIA News (click here to consult the complete list)

19-25 Jan 2019

Trinidad & Tobago and Jamaica received training under the ACT-CORSIA Buddy Partnership with Germany

CORSIA IMPLEMENTATION

- Assembly Resolution A39-3
- SARPs - Annex 16 Volume IV
- Environmental Technical Manual - Volume IV (New)
 - » Templates (New)
- ICAO CORSIA Implementation Elements
 - » CORSIA States for Chapter 3 State Pairs
 - » ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)
 - » CORSIA Eligible Fuels
 - » CORSIA Eligible Emissions Units
 - » CORSIA Central Registry (CCR)

Additional Material for CORSIA Implementation



ACT CORSIA

- CORSIA Buddy Partnerships
- Model Regulations
- Frequently Asked Questions
- Brochure and Leaflets
- Videos
- Seminars
- Online Tutorials
- Background Information



For more information on CORSIA, please visit our website: <http://www.icao.int/corsia>



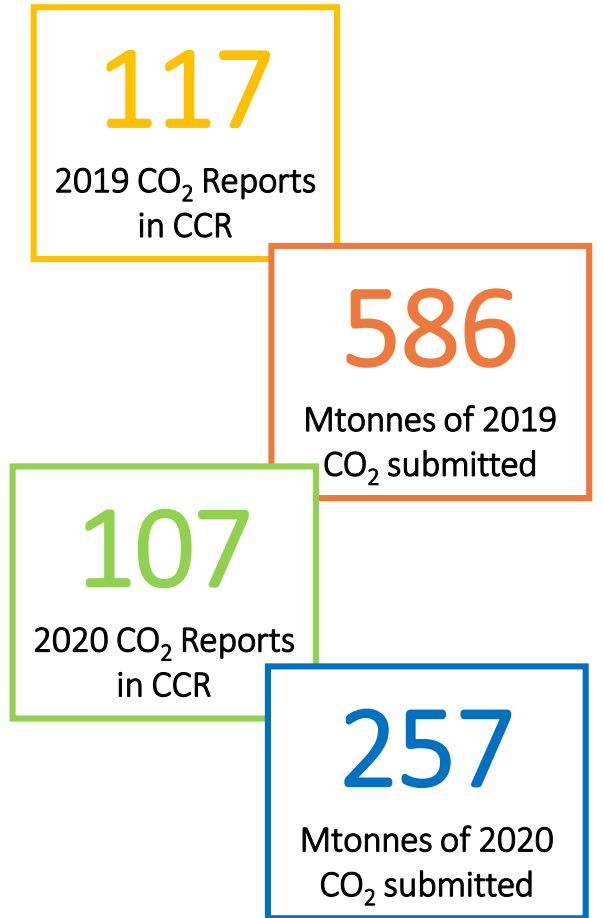
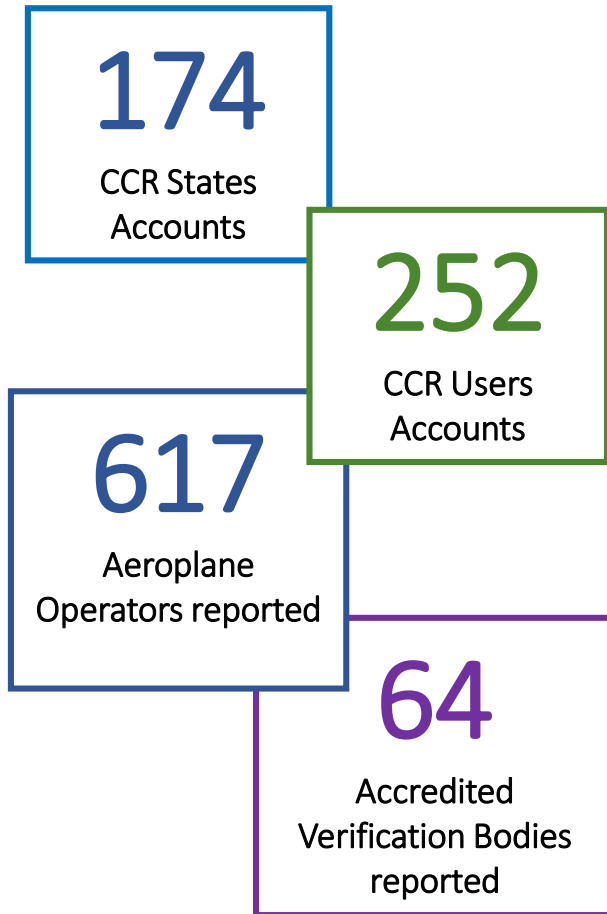
- **CERT** is an ICAO tool to help Aeroplane Operators estimate and Report their international aviation emissions
- Development of the annual versions of the ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT) – **2021 version now available**



CERT CO ₂ Estimation & Reporting 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

States reporting through the CCR

Status as of 19 November 2021



For CORSIA Newsletter, visit: www.icao.int/corsia

- CORSIA periodic review (every 3 years) will allow the ICAO Council to make informed recommendations to the ICAO Assembly on whether it is necessary to make adjustments to the next phases of the scheme
 - First periodic review of CORSIA in 2022 (prior to 41st Assembly)
- The ICAO Council has been undertaking the process for the 2022 periodic review of CORSIA, including:
 - Approval of Terms of Reference in March 2021 – structure, process and methodology for the 2022 CORSIA periodic review, including work programme for CAEP’s technical and analytical contributions (including the impact analyses of COVID-19 on CORSIA)
 - State Letter consultation conducted between May – August 2021 to collect input from Member States on their experiences regarding CORSIA implementation; results were considered by the ICAO Council during the 224th session (November 2021)

- **At its 224th Session (Nov 2021), the ICAO Council:**
 - Approved new Sustainability Criteria for sustainable aviation fuels (SAF) eligible under CORSIA, together with the compliance assessment guidance;
 - Approved updates to the CORSIA eligible emissions units;
 - Considered updated information on the impact of COVID-19 and associated issues relating to the 2022 CORSIA periodic review; and
 - Considered the 2022 process for the Organization's work on the feasibility of a long-term aspirational goal (LTAG) for international aviation toward the next ICAO Assembly.
- **Currently, the ICAO Council is considering:**
 - The 2021 version of the ICAO CORSIA CERT for approval in December 2021
 - CORSIA CO₂ emissions data for 2019 and 2020 for approval by end of November 2021, including:
 - Baseline CO₂ emissions on each State pair based on 2019 and 2020 data; and
 - CORSIA 2020 emissions, which are used to determine new entrants.



ICAO

RECONNECTING THE WORLD



ICAO

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU