



ICAO

RECONNECTING THE WORLD



Update of CORSIA Implementation

ICAO Secretariat



CORSIA

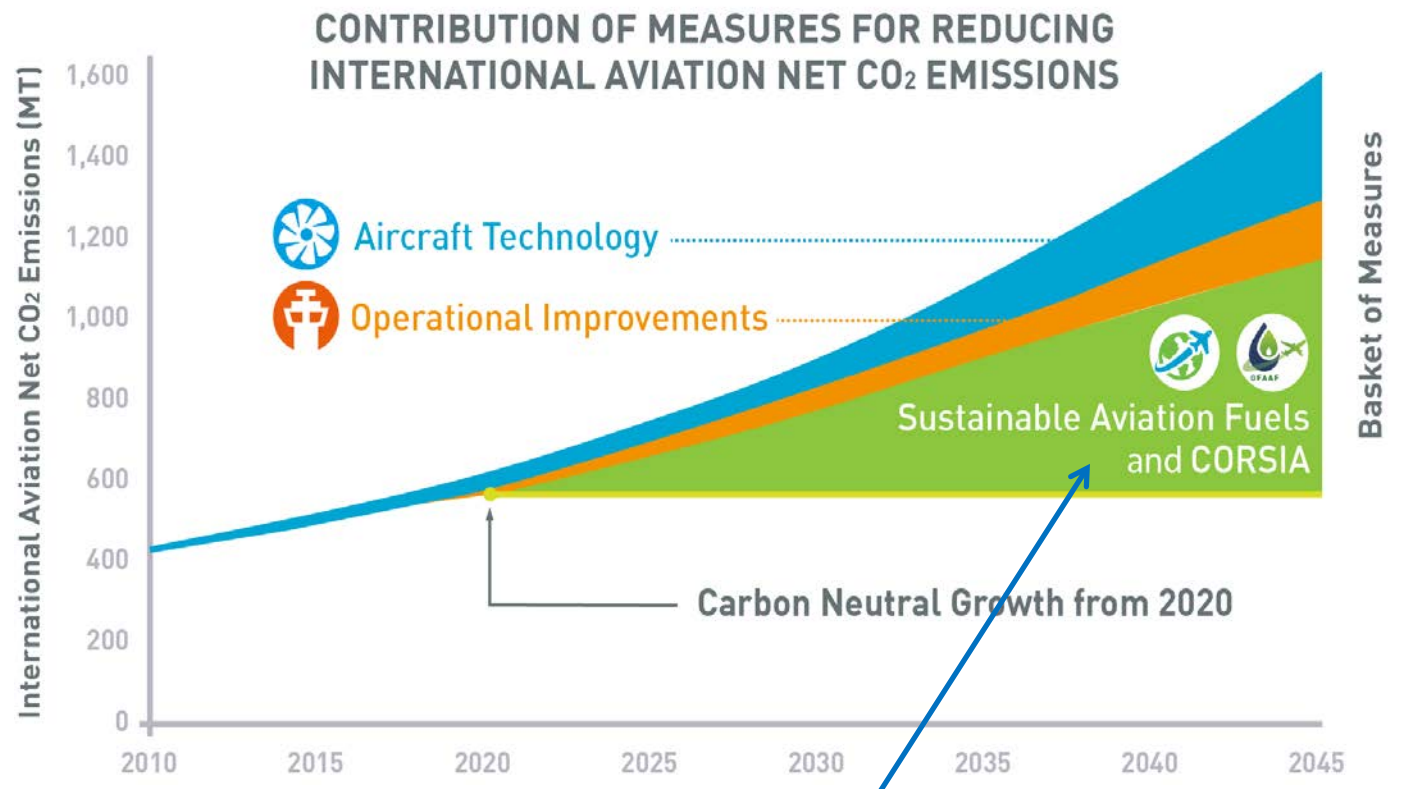
CORSIA

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

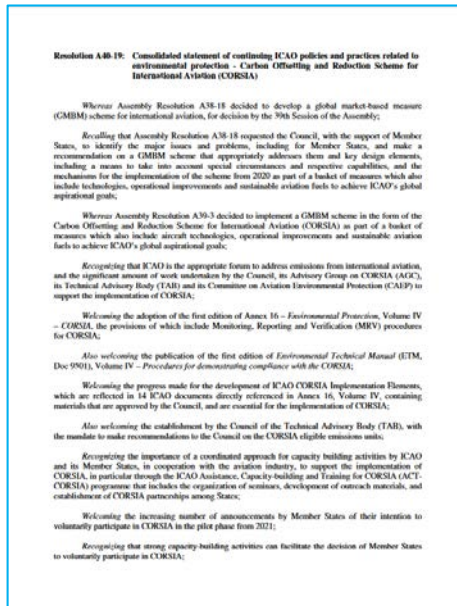
one complementary element in the basket of measures to:

- aircraft technology
- operational improvements
- sustainable aviation fuels

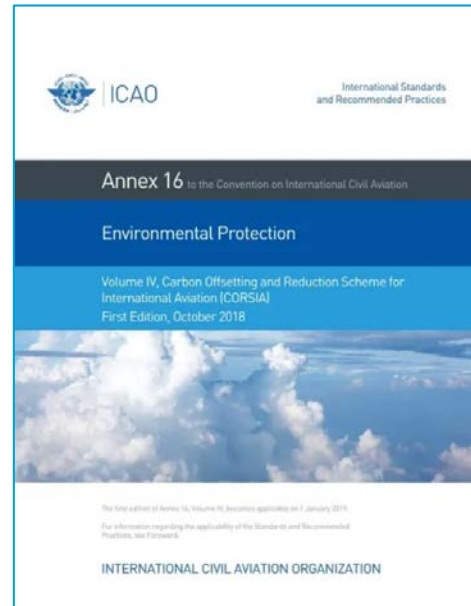


CORSIA addresses the remaining "emissions gap" to achieve CNG2020

CORSIA Implementation Package



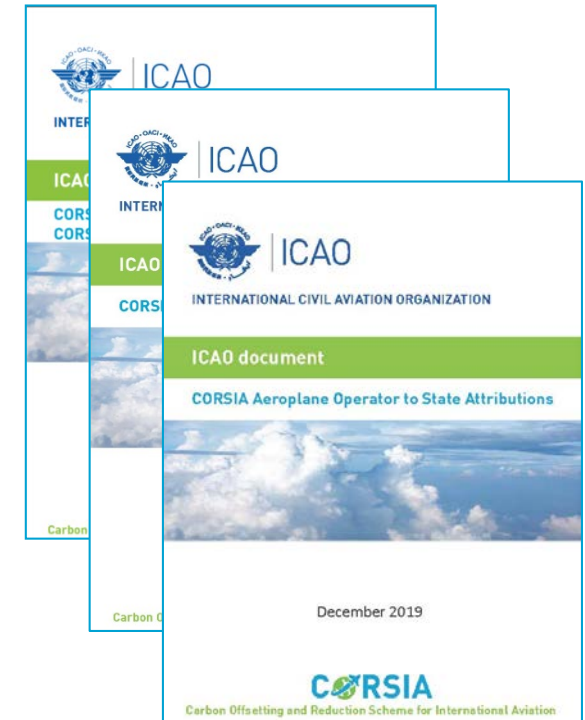
Assembly Resolution A40-19



Annex 16, Volume IV (CORSIA SARPs)

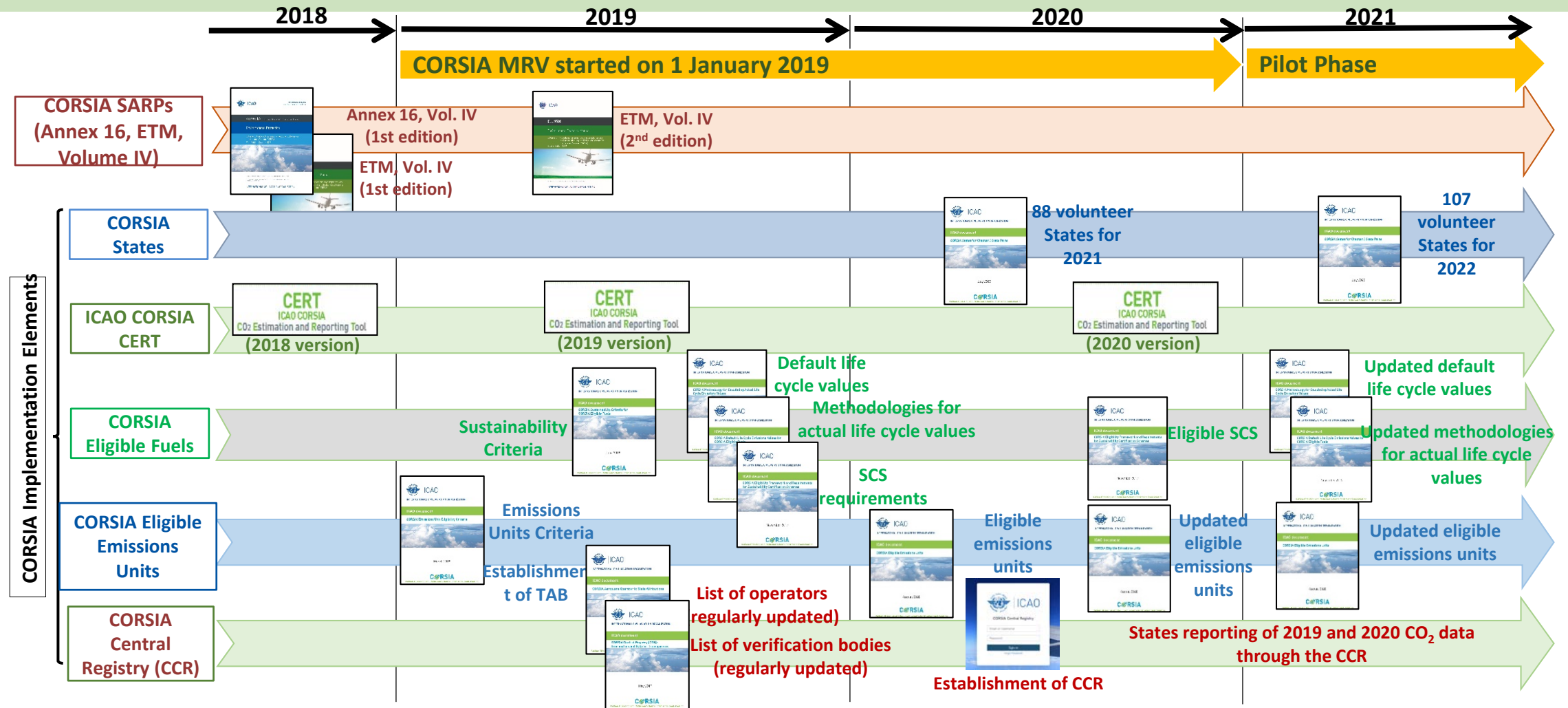


Doc 9501 (ETM), Vol. IV (CORSIA) (2nd edition)



CORSIA Implementation Elements (ICAO documents)

Overview of CORSIA Implementation Status



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

Latest Updates

- 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.

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
 - Greening air transport connections (eco-tourism)
- Participating States will be given **priority within the ACT-CORSIA** capacity building and assistance programme
- 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**

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



www.icao.int.corsia

ICAO ACT CORSIA Buddy Partnerships

- Buddy Partnerships – cornerstone of ACT-CORSIA to support States to prepare for CORSIA implementation
- No expertise or resources for training available at the start of CORSIA
- Technical experts from supporting States voluntarily helping support-requesting States, by providing on-site training and closely monitoring the required actions
- Considerations on languages, time-zones/locations, existing relations



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 (April 2020 - 2021): 16 supporting States and 118 requesting States
 - Use of the CORSIA Central Registry (CCR)

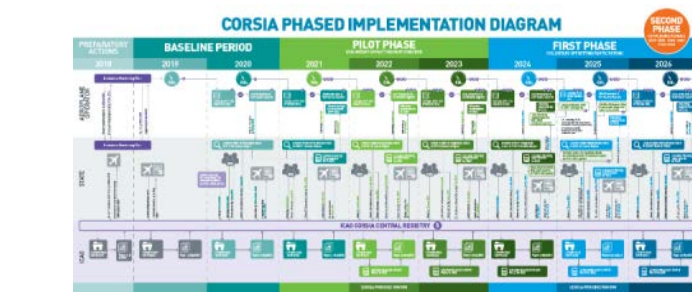
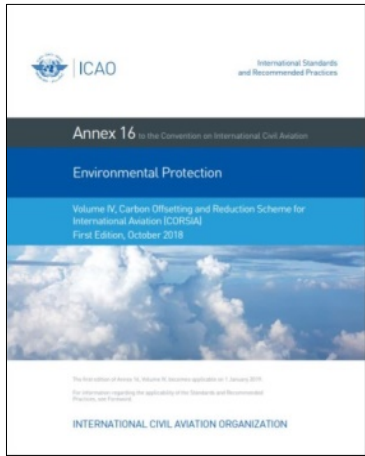
ACT >>> CORSIA ^{Phase III} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA	KENYA
1. BRUNEI DARUSSALAM	1. RWANDA
2. INDONESIA	2. SEYCHELLES
3. NAURU	3. SOUTH SUDAN
4. PAPIA NEW GUINEA	4. UGANDA
5. SRI LANKA	
6. THAILAND	NEW ZEALAND
BRAZIL	1. FIJI
1. ANGOLA	2. SAMOA
2. CABO VERDE	3. SOLOMON ISLANDS
3. MOZAMBIQUE	4. VANUATU
4. SAO TOME AND PRINCIPE	NIGERIA
CANADA (Facilitated by CASSOS)	1. GAMBIA
1. ANTIQUA AND BARBUDA	2. GHANA
2. BARBADOS	3. LIBERIA
3. GUYANA	4. SIERRA LEONE
4. HAITI	5. SUDAN
5. JAMAICA	REPUBLIC OF KOREA
6. SURINAME	1. LAO PEOPLE'S D. R.
7. TRINIDAD AND TOBAGO	2. MONGOLIA
CANADA / FRANCE	3. PAKISTAN
1. BENIN	4. PHILIPPINES
2. BURKINA FASO	5. VIETNAM
3. BURUNDI	QATAR
4. CAMEROON	1. SAUDI ARABIA
5. CENTRAL AFRICAN REPUBLIC	2. IRAN
6. CHAD	3. IRAQ
7. COMOROS	4. KUWAIT
8. CONGO	5. LIBYA
9. DJIBOUTI	6. OMAN
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	SOUTH AFRICA
18. SENEGAL	1. BOTSWANA
19. TOGO	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

2022 CORSIA Periodic Review

- 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 (October/November 2021)



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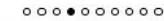
ICAO / Environmental Protection / CORSIA

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



ICAO ENVIRONMENT

CORSIA AT A GLANCE SERIES

CORSIA IMPLEMENTATION COMPONENES

1. Safety Annex 16 Volume IV

2. Emissions Monitoring Plan (EMP)

3. CORSIA CO₂ Estimation and Reporting Tool (CERT)

4. CORSIA Eligible Fuels (EF)

5. CORSIA Eligible Emissions Units (EEU)

6. CORSIA Central Registry (CCR)

7. CORSIA Verification

8. CORSIA Implementation Checklist

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CORSIA AT A GLANCE SERIES

EMISSIONS MONITORING PLAN

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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CORSIA AT A GLANCE SERIES

EMISSIONS MONITORING OPTIONS

1. On-site Monitoring

2. Remote Sensing

3. Third Party Certification

4. Other Options

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CORSIA AT A GLANCE SERIES

CORSIA ACTION CHECKLIST

1. Preparation

2. Implementation

3. Reporting

4. Verification

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CORSIA AT A GLANCE SERIES

CORSIA OFFSETTING REQUIREMENT STEPS

- The State calculates the off-setting requirements for its aviation operators.
- The operator reports the use of CORSIA eligible fuels (EF) for a year.
- The State reports the use of CORSIA eligible fuels (EF) and submits the operator of the EF to the CORSIA Central Registry (CCR).

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CORSIA AT A GLANCE SERIES

CORSIA CENTRAL REGISTRY

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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CORSIA AT A GLANCE SERIES

PUBLICATION OF INFORMATION AND DATA FROM CORSIA CENTRAL REGISTRY

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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CORSIA AT A GLANCE SERIES

CORSIA VERIFICATION

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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CORSIA AT A GLANCE SERIES

CORSIA ELIGIBLE FUELS

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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CORSIA AT A GLANCE SERIES

CORSIA EMISSIONS UNITS CRITERIA (EUC)

1. Purpose and Scope

2. Data Collection and Reporting

3. Quality Assurance

4. Record Keeping

5. Review and Audit

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



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