

EU CORSIA Africa and Caribbean

REGIONAL WORKSHOP

CORSIA IMPLEMENTATION AFTER ICAO 41st GENERAL ASSEMBLY

Working for quieter and cleaner aviation.

Your safety is our mission.

Johannesburg, 10-13 May 2023

**From the regional workshop in Dakar 2022 to
this workshop: key development in
environmental protection and CORSIA
implementation-**

EU CORSIA AFRICA AND CARIBBEAN

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ICAO 41st Assembly Outcome

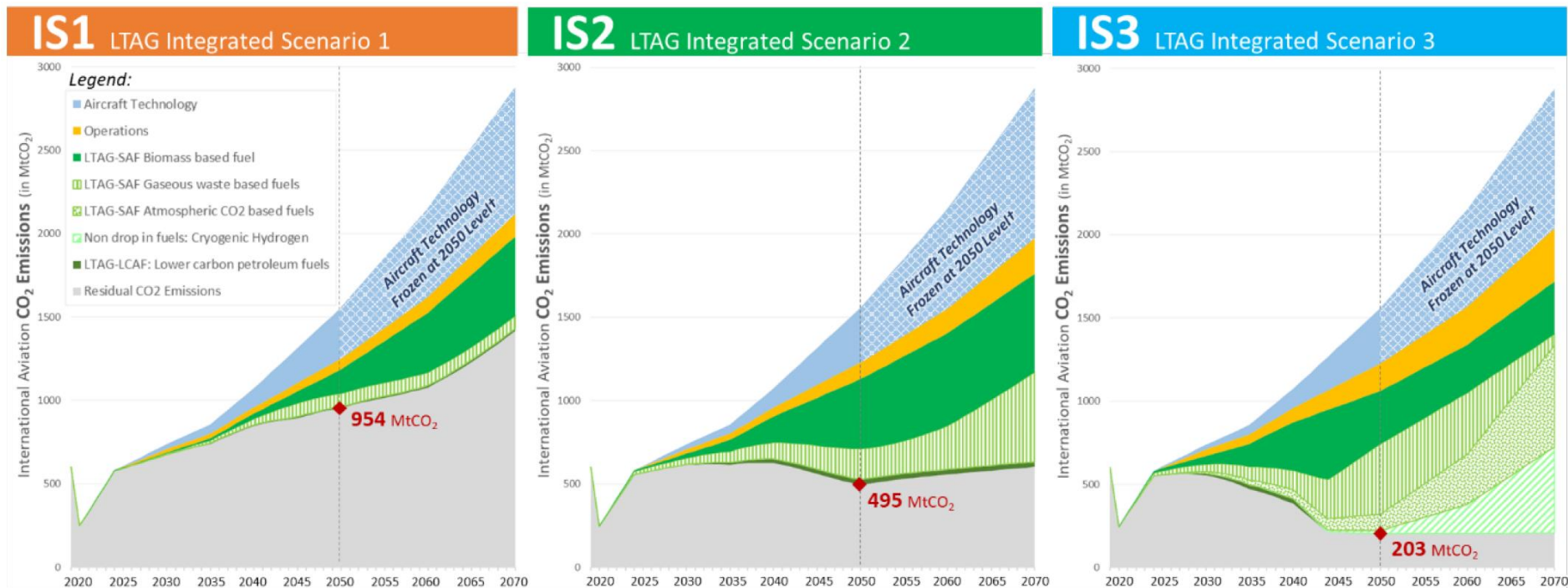
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ICAO 41st Assembly Outcome – LTAG

→ Agreement on a Long Term Aspirational Goal (LTAG) for CO₂ emissions: Net-zero CO₂ emissions by 2050



ICAO LTAG – What’s Next?



ICAO Council in March 2023: CAEP to “initiate its technical work on the consideration of methodologies for monitoring LTAG”

ICAO LTAG – Capacity Building

- ICAO has launched an ACT-SAF capacity-building programme, which is aimed to provide support for States in various stages of SAF development and deployment
- European Commission has signed a declaration of intent to finance a project under ACT-SAF
- EASA has signed ACT-SAF Terms and Conditions



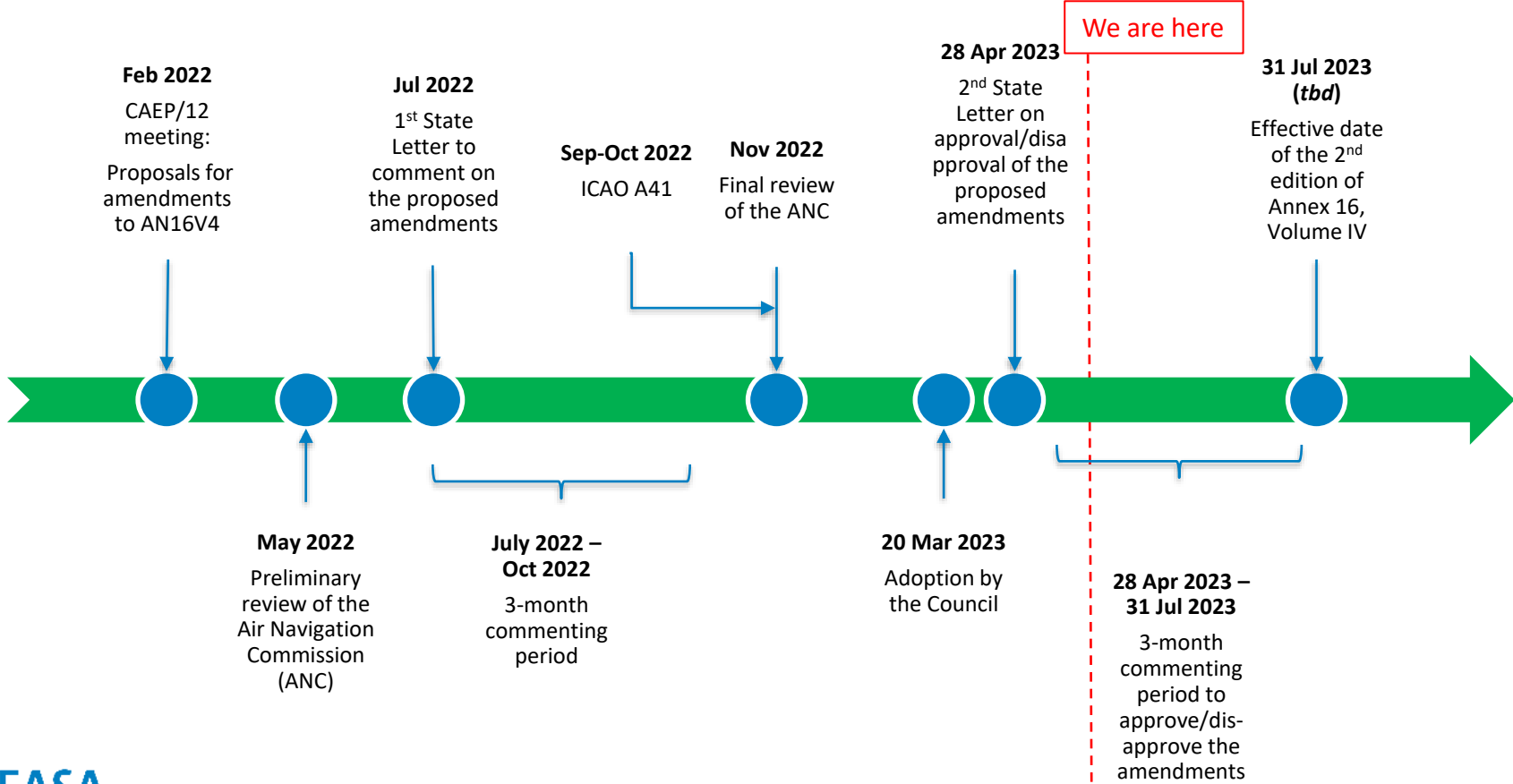
ICAO 41st Assembly Outcome – CORSIA

- The first periodic review of CORSIA concluded by the Council and the results were presented to the Assembly:
 - Use of 2019 emissions as the CORSIA baseline for the pilot phase (2021 – 2023)
 - Use of 85% of 2019 emissions as the CORSIA baseline after the pilot phase (2024 – 2035)
 - Changes to the percentage use of the sectoral and individual operator's growth factors for the calculation of offsetting requirements under CORSIA, as follows:
 - 2030 - 2032: 100% sectoral, and 0 % individual
 - 2033 - 2035: 85 % sectoral and 15% individual

Process to Update ICAO Annex 16, Volume IV


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Annex 16, Volume IV, 2nd Edition - Timeline



Annex 16, Volume IV, 2nd Edition

- ICAO Council adopted the amendments on 20 March
- State letter released on 28 April
- Effective on 31 July (if a majority of States won't disapprove)
- States to notify any differences between the national regulations and the amendment by 1 December



International Civil Aviation Organization Organización de Aviación Civil Internacional 國際民用航空組織

Tel: +1 514 954-8219 ext. 6726 Ref: AN 1/17.14 – 23/38 28 April 2023

Subject: Adoption of Amendment 1 to Annex 16, Volume IV

Action Required: a) Notify any disapproval before 31 July 2023; b) Notify any differences and compliance before 1 December 2023; c) Consider the use of the Electronic Filing of Differences (EPOD) System for notification of differences and compliance

Sir/Madam,

1. I have the honour to inform you that Amendment 1 to the *International Standards and Recommended Practices, Environmental Protection – Carbon Offsetting and Reduction Scheme for International Aviation (CORSLA)* (Annex 16, Volume IV to the Convention on International Civil Aviation) was adopted by the Council at the fifth meeting of its 228th Session on 20 March 2023. Copies of the Amendment and the Resolution of Adoption are available as attachments to the electronic version of this State letter on the ICAO-NET (<http://portal.icao.int>) where you can access all other relevant documentation.

2. When adopting the amendment, the Council prescribed 31 July 2023 as the date on which it will become effective, except for any part concerning which a majority of Contracting States have registered their disapproval before that date. In addition, the Council resolved that Amendment 1, to the extent it becomes effective, will become applicable on 1 January 2024 for the elements concerning the development and application of Standards and Recommended Practices (SARPs) for CORSLA.

3. Amendment 1 arises from: the recommendations of the twelfth meeting of the Committee on Aviation Environmental Protection (CAEP12); Amendment 7 to Annex 7 – *Aircraft Nationality and Registration Marks*; and the adoption by the 41st Session of the ICAO Assembly of Resolution A41-22, *Consolidated statement of continuing ICAO policies and practices related to environmental protection – Carbon Offsetting and Reduction Scheme for International Aviation (CORSLA)* and concerns:

- a) clarification on technical matters related to monitoring, reporting and verification provisions;
- b) definition of an offsetting threshold for aeroplane operators with low levels of international aviation activity;

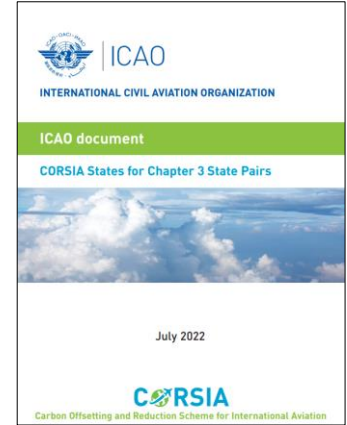
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Updates to ICAO CORSIA Documents

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Updates to ICAO CORSIA Documents

→ CORSIA States for Chapter 3 State Pairs: 115 States volunteering to join CORSIA offsetting in 2023 (3rd edition, published in July 2022)



→ ICAO CORSIA CERT: 2022 version published in November 2022

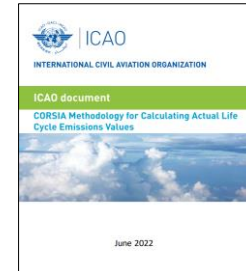


Version 2022

Updates to ICAO CORSIA Documents

→ CORSIA eligible fuels

- Eligibility framework and requirements for sustainability certification schemes (2nd edition, Jun 2022)
- Sustainability criteria for CORSIA eligible fuels (3rd edition, Nov 2022)
- Default life cycle emissions values for CORSIA eligible fuels (4th edition, Jun 2022)
- Methodology for Calculating actual life cycle emissions values (3rd edition, Jun 2022)



Updates to ICAO CORSIA Documents

- CORSIA eligible emissions units: 9th edition of the CORSIA eligible emissions units
- CORSIA Central Registry (CCR):
 - Aeroplane operators to State attributions (7th edition, Dec 2022)
 - CORSIA 2020 emissions (2nd edition, Dec 2022)
 - Annual Sector's Growth Factor (SGF) 2021 (Oct 2022)
 - List of accredited verification bodies (10th edition, Dec 2022)
 - Total CO₂ emissions for 2019 (Oct 2022)
 - Total annual CO₂ emissions for aeroplane operators for 2021 (Oct 2022)



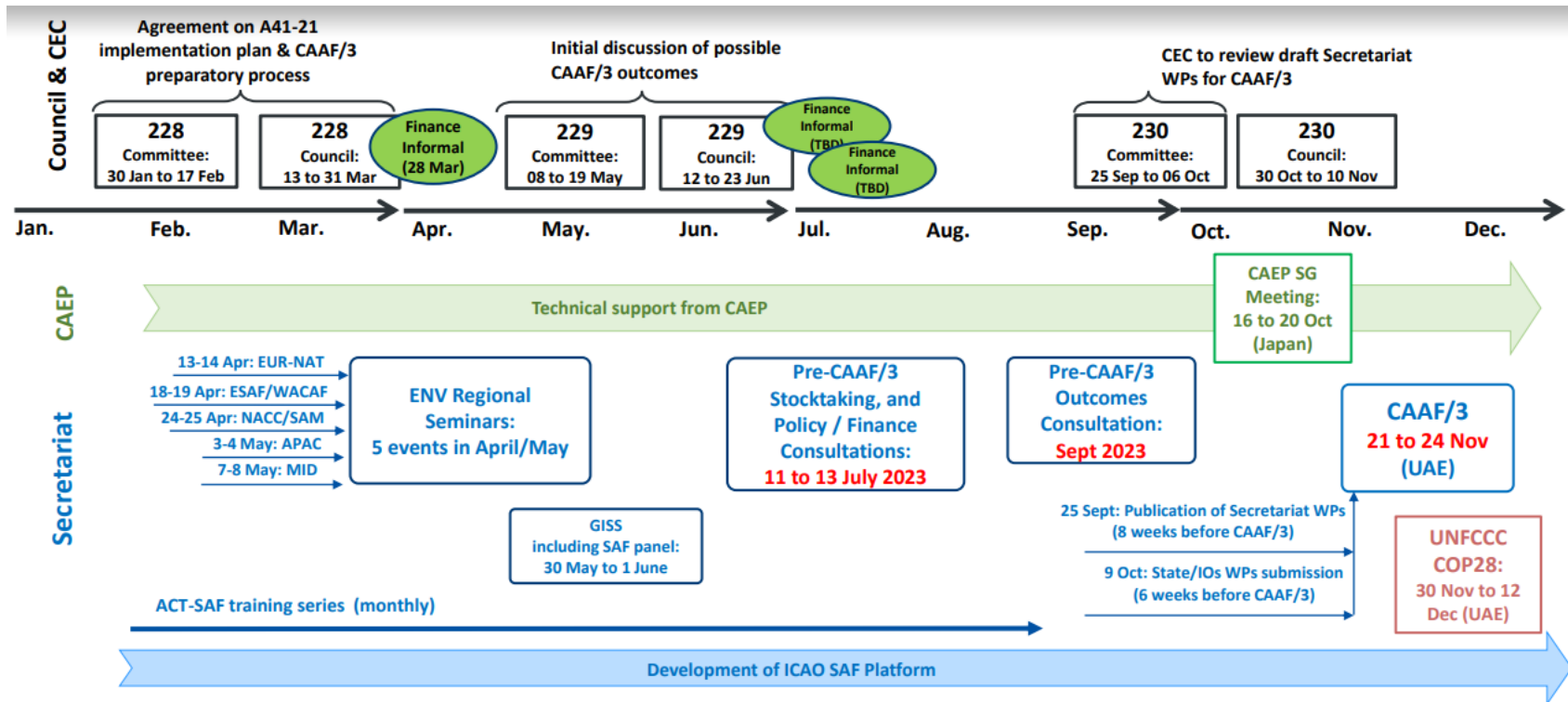
ICAO CAAF/3 Process

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ICAO CAAF/3 Process

→ Assembly Resolution A41-21: “requests the Council to ... convene the CAAF/3 in 2023 for reviewing the 2050 ICAO Vision for SAF, including LCAF and other cleaner energy sources for aviation, in order to define a global framework in line with the No Country Left Behind (NCLB) initiative and taking into account national circumstances and capabilities”

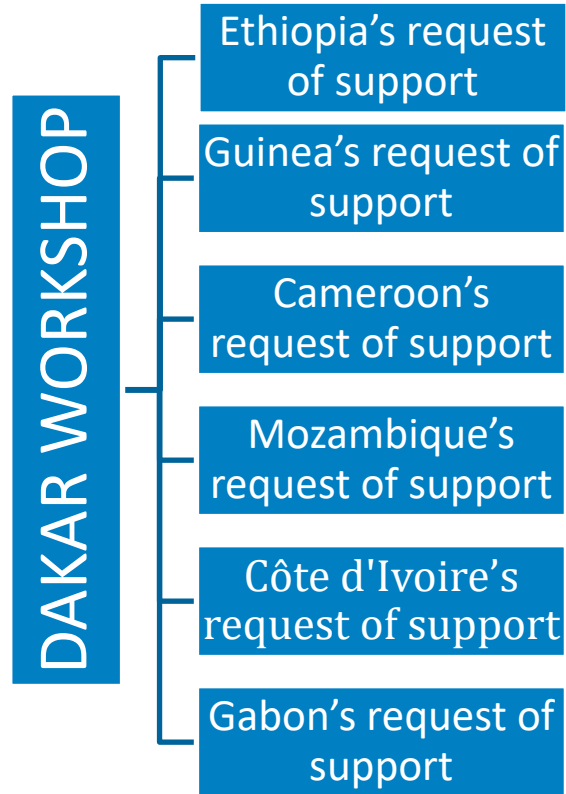
ICAO CAAF/3 Process



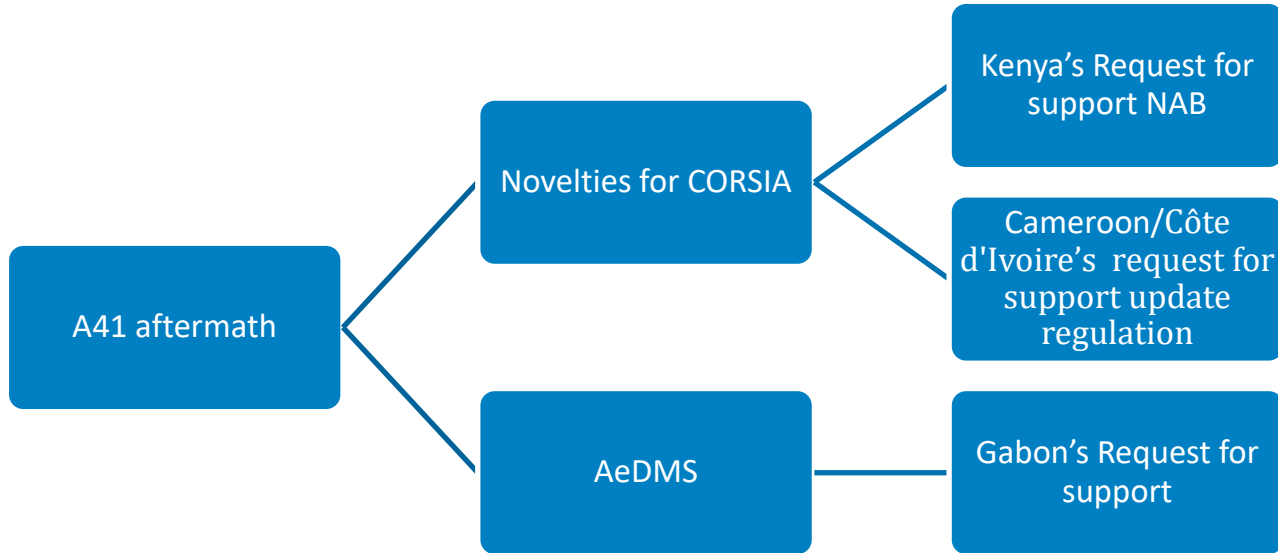
Regional workshop in Dakar

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Regional workshop in Dakar and new requests



Remote regional workshop in December 2022



New requests of bilateral activities

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New Bilateral activities

ETHIOPIA

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN Initial Assessment Questionnaire filled in and submitted in August 2022
- Mission in Ethiopia September 2022: socialisation session on CORSIA for national affected stakeholders.
- Pending activity: finalisation/update of the regulation aligned with amendments of ICAO SARPS, Annex 16, Volume IV

New Bilateral activities

EQUATORIAL GUINEA

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN Initial Assessment Questionnaire translated in Spanish filled in and submitted in October 2022
- Remote training on CORSIA February 2023: introduction on CORSIA for SA and AO
- Pending activity: draft CORSIA regulation aligned with/reflecting amendments of ICAO SARPS, Annex 16, Volume IV, (second edition);

New Bilateral activities

CAMEROON

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA and AO
- Remote training on CORSIA October 2022: CORSIA MRV and threshold for MRV applicability
- Remote support for the AO-Simulation session, November 2022: CERT for MRV applicability
- Pending activity: i) draft CORSIA regulation aligned with/reflecting amendments of ICAO SARPS, Annex 16, Volume IV, (second edition); ii) offsetting calculation workshop

New Bilateral activities

MOZAMBIQUE

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA
- Remote training March 2023: importance of verification under CORSIA
- Pending activity: i) carbon market workshop in coordination with the ministry of environment

New Bilateral activities

CÔTE D'IVOIRE

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA, NAB and AO
- Mission on the field, August 2022: CORSIA CERT and FUMM for the SA and the AO.
- Mission on the field, November 2022: ISO 14065 and CORSIA for the NAB and candidate VB
- Mission on the field, March 2023: Emissions from Domestic aviation how to tackle capitalising what already learnt under CORSIA (Ministry of environment+ ANAC)
- Mission on the field, March 2023: Assessment of SOAC procedures/manuals/competence and readiness to launch ISO 14065
- Pending activity: i) update CORSIA regulation aligned with/reflecting amendments of ICAO SARPS, Annex 16, Volume IV, (second edition)

New Bilateral activities

GABON

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA and AO
- Mission on the field, January 2023: CORSIA CERT and FUMM for SA, AO and NAB
- Pending activity: i) draft the regulation aligned with/reflecting amendments of ICAO SARPS, Annex 16, Volume IV, (second edition);

New Bilateral activities

KENYA

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA and NAB
- NAB Assessment questionnaire filled in by KENAS to frame the context/readiness towards ISO 14065- August 2022
- Mission on the field, January 2023: CORSIA for the NAB and candidate VB in cooperation with KCAA and KENAS
- Pending activity: i) assist KENAS in launching ISO 14065 and CORSIA sub- scope

New Bilateral activities

SOUTH AFRICA

As requested after the workshop in Dakar:

- EU CORSIA AFRICA AND CARIBBEAN coordination calls with SA and NAB
- Remote coordination, March 2023: CORSIA for the NAB and candidate VB. Assessment exercise
- Pending activity: i) capacity building for the NAB assessors and candidate local VB to lunch CORSIA sub scope

New area of activity: AeDMS

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AeDMS

- During the PSC November 2022, the new activity on AeDMS was presented.
- Benefits of the AeDMS in place: IT solution assisting SA in processing the verification through the OMC and in reporting to ICAO through the CCR
- Achieved results as of today and next steps

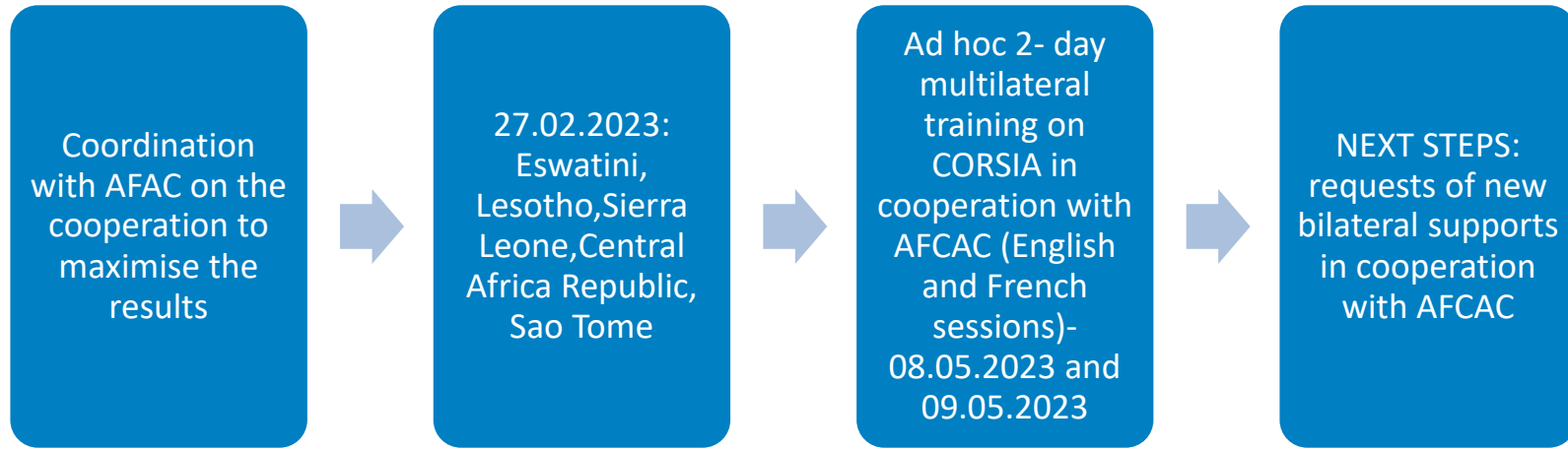


Cooperation with AFCAC to assist new states to be supported by the project

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Cooperation with AFCAC: new requests from new states

- 21 November 2022: During the PSC AFCAC requested the EU CORSIA AFRICA AND CARIBBEAN project to enlarge the number of states supported by the project.
- An official request was sent to DG INTPA, DG MOVE and DG CLIMA
- Achieved results and next steps



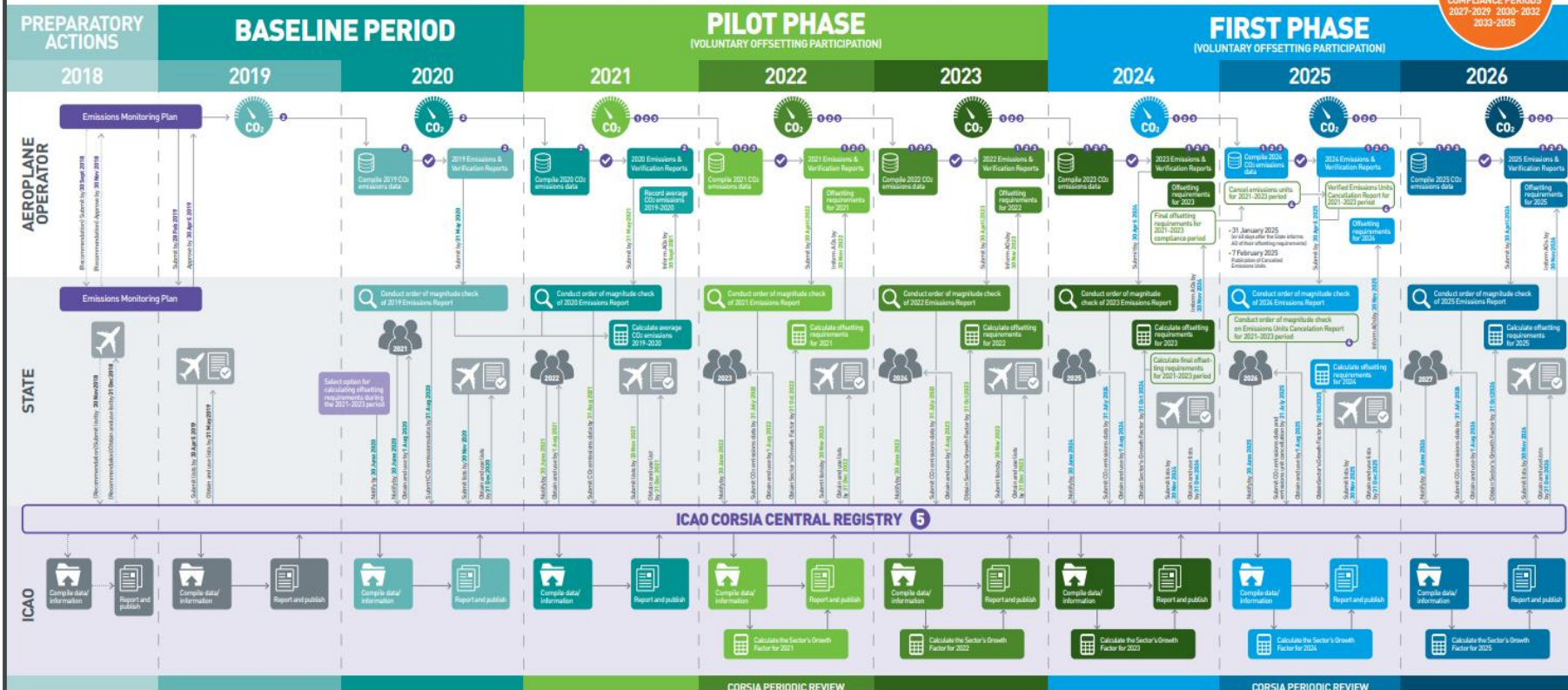
Agenda presentation

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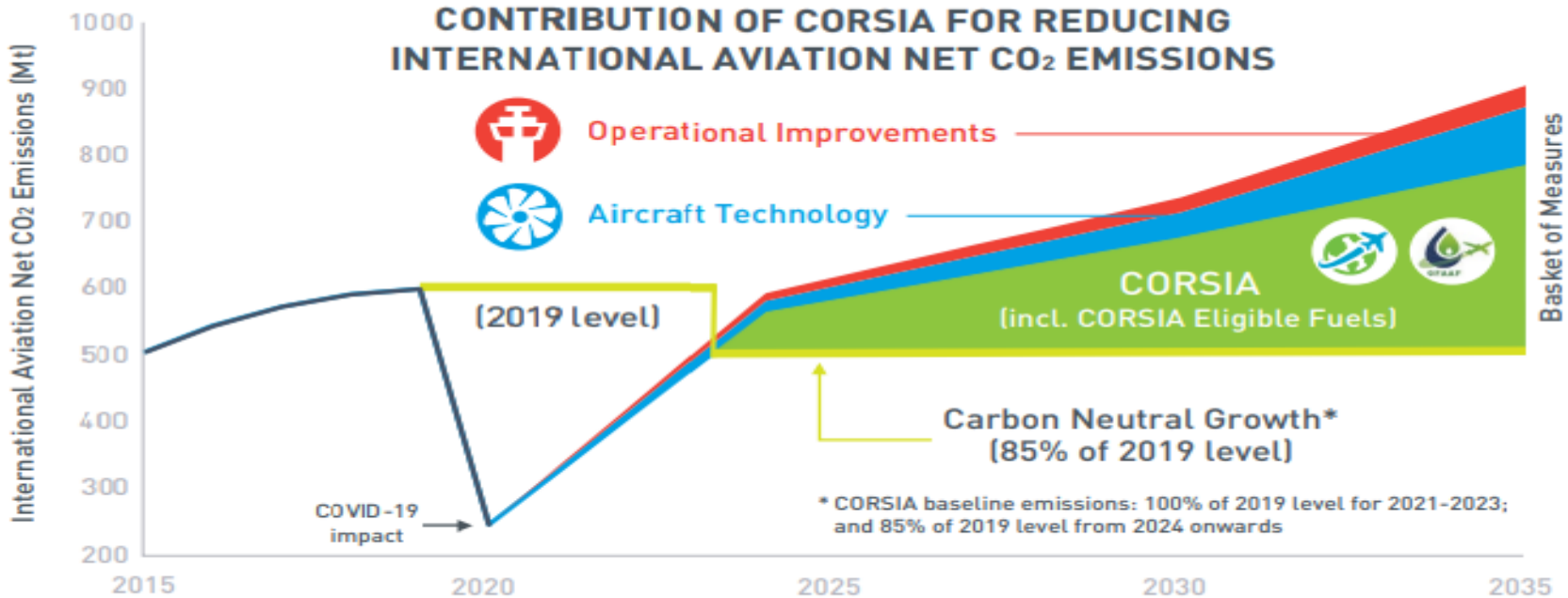
CORSIA PHASED IMPLEMENTATION DIAGRAM

SECOND PHASE

COMPLIANCE PERIODS
2027-2029 2030-2032
2033-2035



CORSIA Baseline from 2024-2035



Changes to the percentage/offsetting

HOW TO CALCULATE CO₂ OFFSETTING REQUIREMENTS?

$$\text{Operator's Annual CO}_2 \text{ Offsetting Requirements} = \text{Operator's Annual CO}_2 \text{ Emissions subject to Offsetting Requirements} \times \text{Growth Factor}^*$$

* The Growth Factor changes every year taking into account the annual Sector's Growth Factor, which is calculated by ICAO, and (for 2033-2035) the individual operator's growth factor as shown below.



CORSIA Eligible Fuel template and reduction from the use of CEF

CORSIA

**CORSIA ELIGIBLE FUELS
SUPPLEMENTARY INFORMATION***

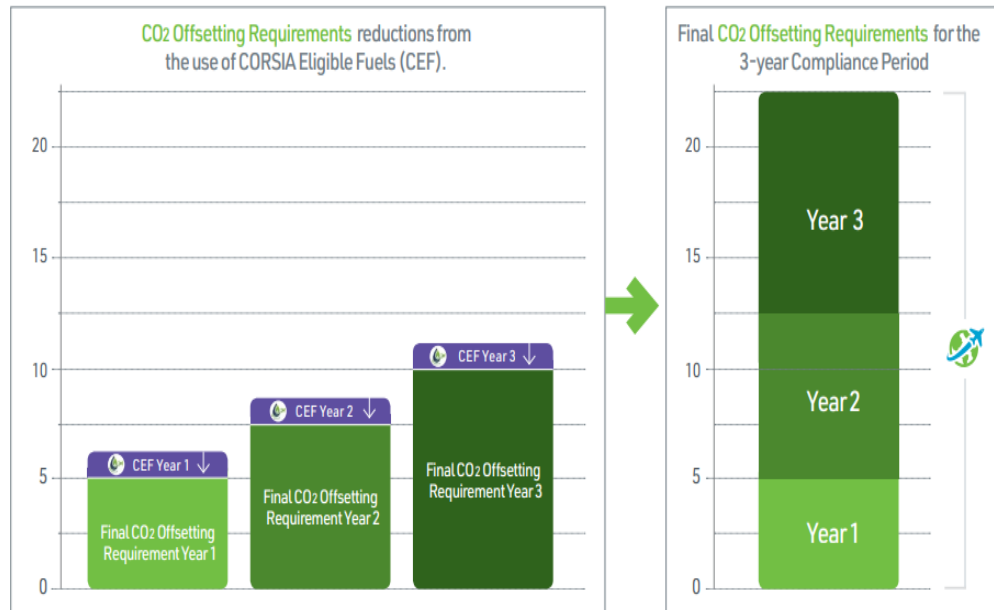
(* supplementary information to the Emissions Report from aeroplane operator to State)

CONTENTS

- [Template information](#)
- [Aeroplane operator identification and reporting information](#)
- [CORSIA eligible fuel claim form](#)
- [Summary of CORSIA eligible fuels information](#)

Template Information

Template provided by:	
Version (publication date):	



CORSIA Eligible Emission Units+regional context

- ICAO Document CORSIA Eligible Emission Units: 9 Emissions Unit Programme approved by the ICAO Council to supply CORSIA Eligible Emissions Units
- During the 228th Session of the ICAO Council (March 2023):
 - approving a **2021 vintage start date** general eligibility parameter for all CORSIA Eligible Emissions Units that are approved for use in the CORSIA first phase (2024-2026 compliance period)
 - the addition of the **American Carbon Registry** and **Architecture for REDD+ Transactions** to supply CORSIA eligible emissions units for the CORSIA first phase
 - **2023 assessment cycle**, ICAO opened the call for application for emissions unit programmes that wish to be considered for eligibility under CORSIA for the first phase and to apply for assessment by the TAB against the **CORSIA Emissions Unit Criteria (EUC)**. (Application available for comments from April 2023 on ICAO website)



NAB and AeDMS

- CORSIA for the NAB:alignment with updated versions of relevant ISO Standards
- AeDMS: mock simulation

Thank you for your attention!

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