



# Environmental Protection: 41<sup>st</sup> ICAO Assembly ENV Resolutions

ICAO-CASSOA-RCAA ENV Workshop

Kigali, Rwanda (23-26 May 2023)

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### Agenda



- 1. Overview
- A41-20:General provisions, Noise and Local Air Quality
- 3. A41-21:Climate Change
- 4. A41-22: CORSIA
- 5. Conclusion



# 4

### Overview



#### Three (3) Resolutions on environmental protection from the 41<sup>st</sup> Session of the ICAO Assembly:

 A41-20: Consolidated statement of continuing ICAO policies and practices related to environmental protection- General provisions, noise and local air quality

 A41-21: Consolidated statement of continuing ICAO policies and practices related to environmental protection- Climate change

 A41-22: Consolidated statement of continuing ICAO policies and practices related to environmental protection- Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)









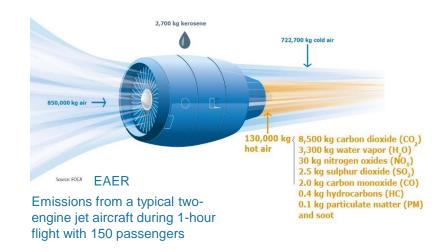
A41-20: General provisions, Noise and Local Air Quality



#### A41-20:General provisions, 7 noise and local air quality

#### Adverse environmental effects of civil aviation

- Reduced by the application of comprehensive measures e.g.
  - —Use of clean, renewable and sustainable energy sources
  - —Land-use planning and management
  - —Technological improvements
  - -More efficient Air Traffic Management (ATM)
  - -Community engagement etc.



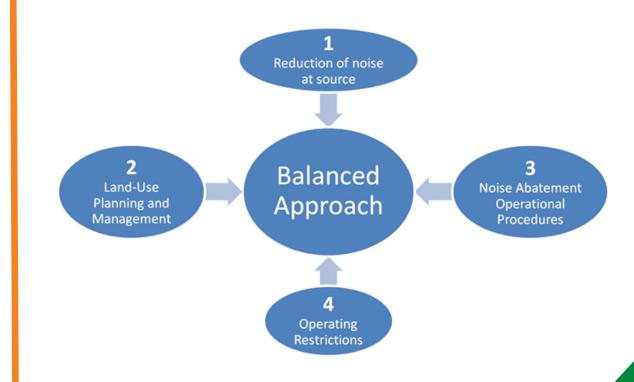


Reliable and best available information on the environmental effects of aviation is essential for the development of policy by ICAO and also by States

#### A41-20:General provisions, noise and local air quality

#### Objectives:

- Limit or reduce the number of people affected by significant aircraft noise;
- Limit or reduce the impact of aviation emissions on Local Air Quality (LAQ);
- Limit or reduce the impact of aviation greenhouse gas emissions on the global climate; and
- Ensure future resilience of air transport by adapting its infrastructure and operations to the consequences of climate change





# A41-20:General provisions, noise and local air quality

#### What does this mean for the Continent, States and the Industry?

- States to consider adoption of:
  - the 'balanced approach to noise management' (ICAO Doc 9829); and
  - the community engagement principles in ICAO Circular 351
- Phase-out of subsonic jet aircraft which exceed the noise levels in Annex 16 Vol I:
  - States not to introduce any phase-outs of aircraft which exceed the noise levels in Chapter 3 of Annex 16 Vol I before considering a number of factors







### A41-21:Climate Change

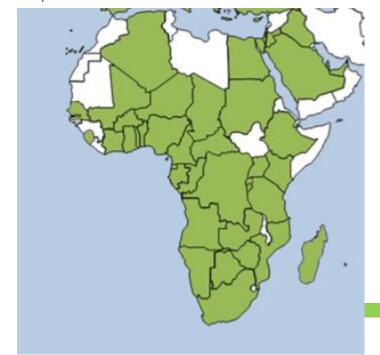


## Limiting or reducing emissions that contribute to global climate change:

- ICAO's work on the environment contributes to 14 of the 17 UN Sustainable Development Goals (SDGs)
- Submission and update of voluntary State
  Action Plans to ICAO
  - On reduction of emissions from international aviation
  - Outlining respective polices, actions and roadmaps, including long term projections
  - States developing/ updating SAPs to submit to ICAO by the **end of June 2024**.
    - Once every 3 years thereafter

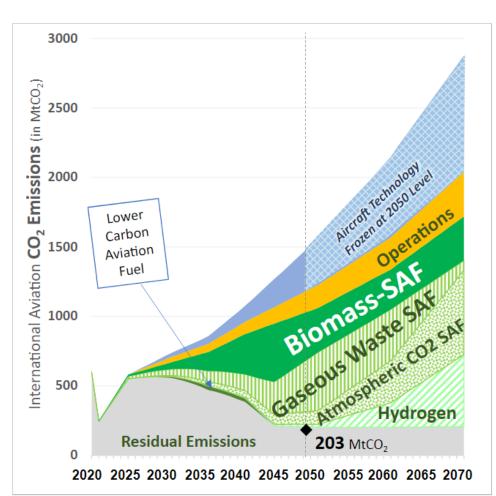
UN SDG 13: 'Take urgent action to combat climate change and its impact'

Map of State Action Plans Submitted to ICAO









#### Goals

- aspirational global fuel efficiency improvement rate of 2% per annum from 2021-2050
- Long-Term Aspirational Goal (LTAG) for international aviation
  - Net-zero carbon emissions by 2050
  - In support of the Paris Agreement's temperature goal
- Information from SAPs can be used to monitor progress towards the achievement of the LTAG



#### What does this mean for the Continent, States and the Industry?

#### LTAG

- Does not attribute specific obligations or commitments
  - E.g. in the form of emission reduction goals to individual States
- States to contribute to achieving LTAG:
  - In accordance with national circumstances
  - Within their own national timeframe
- each State's special circumstances and respective capabilities will inform the State's contribution to LTAG e.g.
  - Maturity of aviation markets
  - National priorities for air transport development etc.



Sustainable Aviation Fuels (SAFs) play a pivotal role



# ICAC

# Role Sustainable Aviation Fuels (SAFs) towards LTAG

#### SAF

 renewable or waste-derived aviation fuels that meets sustainability criteria in Annex 16 Vol IV

#### CORSIA

- specific methodologies that allow aircraft operators to reduce their offsetting requirements through the use of SAF and Lower Carbon Aviation Fuels (LCAF),
  - including globally-accepted sustainability criteria and life cycle methodologies



Guidance on potential policies and coordinated approaches for the deployment of SAF (2022)

#### What does this mean for the Continent, States and the Industry?

#### SAPs

- All States are invited to submit SAPs containing quantified information to ICAO;
- States encouraged to support each other through SAP Buddy Partnerships.

#### Role of Sustainable Aviation Fuels (SAFs) in achieving the LTAG

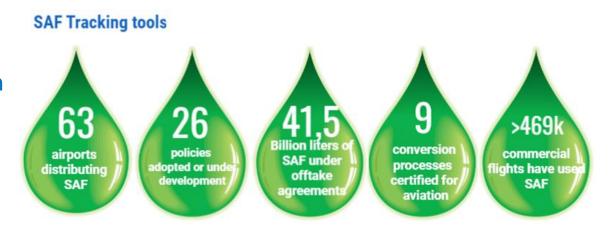
- States and Industry partners are encouraged to consider becoming ICAO
  ACT SAF Partners;
- Transition towards SAF will require significant investments (public & private) across all Regions;
  - ICAO currently connecting with financial institutions across all Regions
- Aeroplane Operators- CORSIA Monitoring, Reporting and Verification (MRV)
  –provides useful information on SAF/LCAF monitoring.



#### Role of Sustainable Aviation Fuels (SAFs) in achieving LTAG

- Sustainable Aviation Fuels (SAF) development and deployment
  - is particularly important;
  - drop-in fuels have the largest potential to reduce the overall emission from international aviation by 2050;
    - according to the ICAO Report on the feasibility of a LTAG for international civil aviation CO<sub>2</sub> emission reductions

Illustration: Airport distributing SAF and airports in on-going alternative fuel purchase agreements









### A41-22: CORSIA



#### First CORSIA periodic review in 2022 during A41

1. CORSIA Baseline (Paragraph 11)

Baseline **for** the Pilot Phase (Paragraph 11)

-2019 emissions

CORSIA Baseline after the Pilot Phase (2024-2035)

- -85% of 2019 emissions
- 2. Offsetting Requirements: % Sectoral/ Individual

(Paragraph 11)

- -For 2030-2032
  - 100% sectoral growth
  - (Previously included at least 20% individual)

For 2033-2035

- 85% sectoral growth/ 15% individual growth
- No longer 30% sectoral and 70% Individual

### 3. New entrants: (Paragraph 12)

- Now 0.1% of 2019 emissions for all CORSIA Phases
  - Extended beyond the Pilot Phase until 2035

#### What does this mean for the Continent, States and the Industry?

- AOs to continue with the CORSIA MRV in accordance with the timelines in A16 Vol IV;
- AOs and States to note and consider the A41 CORSIA review when calculating CORSIA Offsetting requirements;
- States to take necessary actions to ensure that national policies and regulatory frameworks are established for the enforcement of the CORSIA (Annex 16 Vol IV); and
- Establishment of partnerships among States (ICAO ACT-CORSIA Programme).





### Thank You