ICAO’s work on the CORSIA and its relation to carbon markets

Jane Hupe
Deputy Director, Environment, ATB, ICAO

ICAO Seminar on Carbon Markets (7-9 Feb 2018)
ICAO's environmental work contributes to 14 out of the 17 United Nations SDGs
ICAO Assembly Resolutions A39-1, A39-2 and A39-3: Consolidated statement of continuing ICAO policies and practices related to environmental protection

Annex 16 - Environmental Protection:
Volume I, Aircraft Noise
Volume II, Aircraft Engine Emissions
Volume III, Aeroplane CO₂ Emissions
Volume IV, CORSIA - Under Development

Various guidance on noise, LAQ and climate change, e.g.:
Environmental Assessment of Proposed ATM Operational Changes (Doc 10031)
Environmental Technical Manual Volume IV (Doc 9501) - Under Development
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 is the first global market-based measure scheme for any industry sector.

CORSIA addresses the remaining “emissions gap” to achieve CNG2020.
Process for the development of CORSIA-related SARPs and Guidance

CAEP / GMTF

1. GMTF/9 (18-21 October 2016)
   - Further work on remaining MRV recommendations
   - Elaboration of the EUC eligibility criteria
   - Work plan for CORSIA SARPs and guidance development

2. GMTF/10 (February 2017)
   - Advanced draft of the CORSIA SARPs and guidance
   - Informal briefing at 210th Council

3. GMTF/11 (June 2017)
   - Final draft of CORSIA SARPs and guidance for CAEP SG
   - Informal briefing at 211th Council

May 2017
CORSIA International Seminar

Mar./Apr. 2017
CORSIA Regional Seminars

May 2017
CORSIA Regional Seminar

6. December 2017
State Letter on the proposed CORSIA SARPs

5. Oct./Nov. 2017
212th Council and other ICAO bodies: preliminary review and approval

Drafting of CORSIA SARPs and guidance

4. September 2017
CAEP SG approval of the draft CORSIA SARPs and guidance

Dissemination of CORSIA guidance

7. March 2018
Deadline to receive responses to State Letter from States

8. May/June 2018
Final review and approval of the CORSIA SARPs through C-WP

CORSIA SARPs
(1 Jan. 2019 –)

11. September 2018
Deadline for States to approve/disapprove CORSIA SARPs

9. June 2018
214th Council: adoption of CORSIA SARPs

Mar./Apr. 2018
CORSIA Regional Seminar

July 2018
CORSIA International Seminar

10. June 2018
Final State Letter on the adoption of CORSIA SARPs

Decision on CORSIA implementation issues
- Regulatory framework
- Capacity building

27 September – 6 October 2016
39th ICAO Assembly

CORSIA SARPs are applicable from 1 January 2019

12. November 2018
Deadline for States to file differences to CORSIA SARPs
Video - CORSIA implementation

https://www.youtube.com/watch?v=D0tAy0apYII
CORSIA capacity building and assistance

ICAO Action

Central Registry
- Assessment of infrastructure requirements
- Develop technical requirements and necessary infrastructure (e.g. IT software/hardware)

States Action

Capacity Building
- Participation and provide feedback
- Feedback on:
  - Experience/readiness
  - Assistance needs
  - Draft SARPs comments etc

MRV
- Assessment of existing policies and regulations
- Develop necessary policies and regulations (e.g. for collection/reporting of data)
- Policies and regulations are ready for States/operators to collect, report and verify CO2 emissions and to purchase credits under CORSIA

Registries
- Assessment of existing infrastructure
- Develop technical requirements and necessary infrastructure (e.g. IT software/hardware)
- Necessary infrastructure is ready for States/operators to demonstrate compliance to offsetting requirements

Support under Partnerships among States
- Financial support by ICAO Partner Organizations

- Necessary infrastructure is ready for ICAO to demonstrate global compliance

210th Council (Mar. 2017)
- Mar./Apr. 2017 CORSIA Regional Seminars
- May 2017 CORSIA Int. Seminar

CAEP (Sep. 2017)
- Draft Requirements for MRV, EUC and Registry defined

213th Council (Mar. 2018)
- February 2018 Carbon Market Seminar
- Mar./Apr. 2018 CORSIA Regional Seminars
- July 2018 CORSIA Int. Seminar

214th Council (Jun. 2018)
- Requirements for MRV, EUC and Registry defined

MRV starts from Jan. 2019

Pilot Phase from Jan. 2021
After the calculation of offsetting requirements to be attributed to an operator:

1. The operator reports the use of sustainable aviation fuels (SAF) for a 3-year compliance period.

2. The State accounts for the benefits from the use of SAF and informs the operator of its final CO₂ offsetting requirements for a 3-year compliance period.

3. The operator purchases and cancels eligible emissions units equivalent to its final CO₂ offsetting requirements for the compliance period.

4. The operator provides a verified Emissions Units Cancellation Report to the State, who checks the Report and informs ICAO.
The ICAO Council will determine the CORSIA eligible emissions units. This work is ongoing.
Main questions for presenters

1. How are emissions units generated by your programme, mechanism or project?

2. What are features and benefits of emissions units generated by your programme, mechanism or project, including the means to ensure quality?

3. Where can potential buyers purchase emissions units generated by your programme, mechanism or project?

4. How does your programme, mechanism or project track the use of emissions units?
Overview of Carbon Market Seminar

Opening Panel: Setting the scene / Expectations for carbon markets

Session 1: Market mechanisms under the UNFCCC

Session 2: Compliance markets (national and supra-national)

Session 3: Compliance markets (sub-national)

Session 4: Voluntary markets

Session 5: Voluntary markets (with focus on REDD+ and forestry)

Closing Panel: Verification
For more information, please visit our website:
http://www.icao.int/env

Thank you!