Introduction (Part 2)

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a) Objectives of the Seminar

b) 39th ICAO Assembly and CORSIA

c) Overview of the 2017 ICAO Regional Seminars on CORSIA

d) ICAO States’ Action Plans Initiative

e) Overview of the CORSIA
ICAO's State Action Plan Initiative - Purpose

• **For States**
  – Opportunity to identify measures that will improve fuel efficiency and reduce emissions

• **For ICAO**
  – Assess future progress toward the achievement of ICAO global aspirational goals

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**No Country should be Left Behind**
Cooperation and coordination between all stakeholders that can reflect on State’s Action Plans to reduce aviation CO₂ emissions

• The group provides an opportunity to bring multiple stakeholders around the table
  – Opens and maintains the communications channels between multiple players in governments, aviation industry, etc.
  – Facilitate decision-making and data collection, while avoiding possible duplication of work
ICAO's State Action Plan - Minimum Content

1. Contact information

2. Baseline (without action) fuel consumption CO₂ emissions and traffic (2010 or earlier to 2050)

3. List of selected measures

4. Expected results (fuel consumption, CO₂ emissions and traffic with the actions in #3 being taken 2017 to 2050)

5. Assistance needs
103 States representing 90.1% of international RTK (2015) have submitted an action plan to ICAO.

More than 400 direct contacts with States established

More than 700 experts from 116 States trained

3 ICAO Buddy Partnerships

2 joint assistance projects
Describes what an Action Plan should include and a step-by-step guide on how to develop it

- Overview and introduction
- Baseline calculation
- Mitigation measures and expected results
- Implementation and assistance
- Appendices with examples and detailed information
Operational opportunities to reduce fuel burn and emissions (operations, ATM, airports, etc.)

Guidance on assessment of environmental effects from ATM operational changes
Public ICAO Environmental Tools:

- **ICAO Carbon Emissions Calculator**
  Allows passengers/cargo to estimate CO₂ emissions from air travel

- **ICAO Fuel Savings Estimation Tool (IFSET)**
  Assists States in estimating fuel savings from operational improvements

- **ICAO Green Meetings Calculator**
  Supports decision making in minimizing CO₂ emissions from air travel to attend meetings

Additional tools to facilitate the preparation of State's Action Plans:

- **ICAO Environmental Benefit Tool**
  Helps States to develop their Action Plan (Baseline, Mitigation Measures, Expected Results)

- **ICAO Aviation Environmental System (AES)**
  Allows CAAs to monitor CO₂ emissions from international aviation at State level
Synergies between States’ Action Plans and CORSIA

- State Action Plans provide a big picture
- Progress in all elements of a basket of mitigation measures should be reflected in State Action Plans (Resolution A39-3 paragraphs 6 and 7)
- State Action Plans containing a robust data collection, monitoring and reporting mechanism provide a good basis, from which the CORSIA MRV can be derived
- State Action Plans can reflect the results of CO₂ emissions offsetting under CORSIA by participating States
- Very important to have compatible tools for use under CORSIA and State Action Plans
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• CORSIA is the **first global MBM scheme** for any industry sector

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

• CORSIA is a **complementary measure** to a broader package in the basket of measures – **preference is for non-MBM measures** to reduce aviation emissions (i.e. through aircraft technology, operational improvements, sustainable alternative fuels)

• CORSIA is one of the measures **to be included in States’ Action Plans** – all elements in the basket should be progressed
http://www.icao.int/environmental-protection/Pages/market-based-measures.aspx
Time to prepare for CORSIA Implementation

• Standards and Recommended Practices (SARPs) and guidance
  – Monitoring, Reporting and Verification (MRV) system
  – Emissions Unit Criteria (EUC)
  – Registry Architecture for CORSIA

• Capacity Building
  – ICAO and Member States are to take all necessary actions in providing the capacity building and assistance and building partnerships for CORSIA implementation
  – Capacity building includes seminars/training, and support for the development of national regulatory framework and the establishment of necessary infrastructure (e.g. IT hardware/software)

CORSIA SARPs and Guidance Development Timeline

1. GMTF/9 (18-21 Oct. 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

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

6. December 2017
   State Letter on the proposed CORSIA SARPs

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

8. April/June 2018
   Final review and approval of the C-WP

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

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

11. September 2018
    Deadline for States to disapprove CORSIA SARPs

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

306th ICAO Assembly
- 27 September 2016
- 6 October 2016

CORSIA SARPs are applicable from 1 January 2019

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More information on the CORSIA:

- ICAO web site [http://www.icao.int/env](http://www.icao.int/env)
- CORSIA Video
- CORSIA FAQs
- CORSIA voluntary participation
- Environment Report 2016