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CORSIA SEMINAR

1. Objectives of the Seminar and Overview of CORSIA

ICAO Secretariat





Objectives of the Seminar

- To share information on Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) design elements and implementation aspects, including the work being undertaken on the development of Standards and Recommended Practices (SARPs) and guidance material for CORSIA implementation
- To provide an opportunity for States to share their existing readiness to implement CORSIA and conduct an assessment of assistance needs:
 - State participants to the ICAO Regional Seminars are encouraged to answer a questionnaire related to the implementation of CORSIA prior to the seminar
 - Responses to this questionnaire will be used to assess the levels of States' experience and readiness in the MRV of aviation CO₂ emissions, and better plan the ICAO's capacity building and assistance to States for the CORSIA implementation



Format of the Seminar

- The 2017 CORSIA Regional Seminars are planned in a format to facilitate the understanding of CORSIA and to encourage the engagement of participants in the discussion on the CORSIA's design elements and implementation aspects:
 1. Step-by-Step presentations to bring all participants to a common level of understanding on CORSIA and the latest developments in ICAO (6 Secretariat presentations plus Q&A)
 2. Interactive exercises in small groups (4 exercises in small groups, to be moderated by facilitators)
 3. Feedback from small groups (4 rounds of feedback from small groups; each group to nominate a reporter)





Outline for the Next 2 Days

1. Objectives of the Seminar and Overview of CORSIA
2. CORSIA and Resolution A39-3 (Part 1)
 - *Small group exercise 1: Participation and emissions coverage in CORSIA*
3. CORSIA and Resolution A39-3 (Part 2)
 - *Small group exercise 2: Calculation and distribution of offsetting requirements in CORSIA*
4. CORSIA MRV System
 - *Small group exercise 3: Development of CO₂ emissions report*
5. Emissions Units and Registries
 - *Small group exercise 4: Flow of CO₂ emissions data and emissions units under CORSIA*
6. Capacity Building and Next Steps
7. Closing Remarks



Supporting documents distributed

1. Agenda of the seminar (at registration)
2. Assembly Resolution A39-3 (at registration)
3. Questionnaire (just distributed)
4. Small group exercises (to be distributed prior to each exercise)

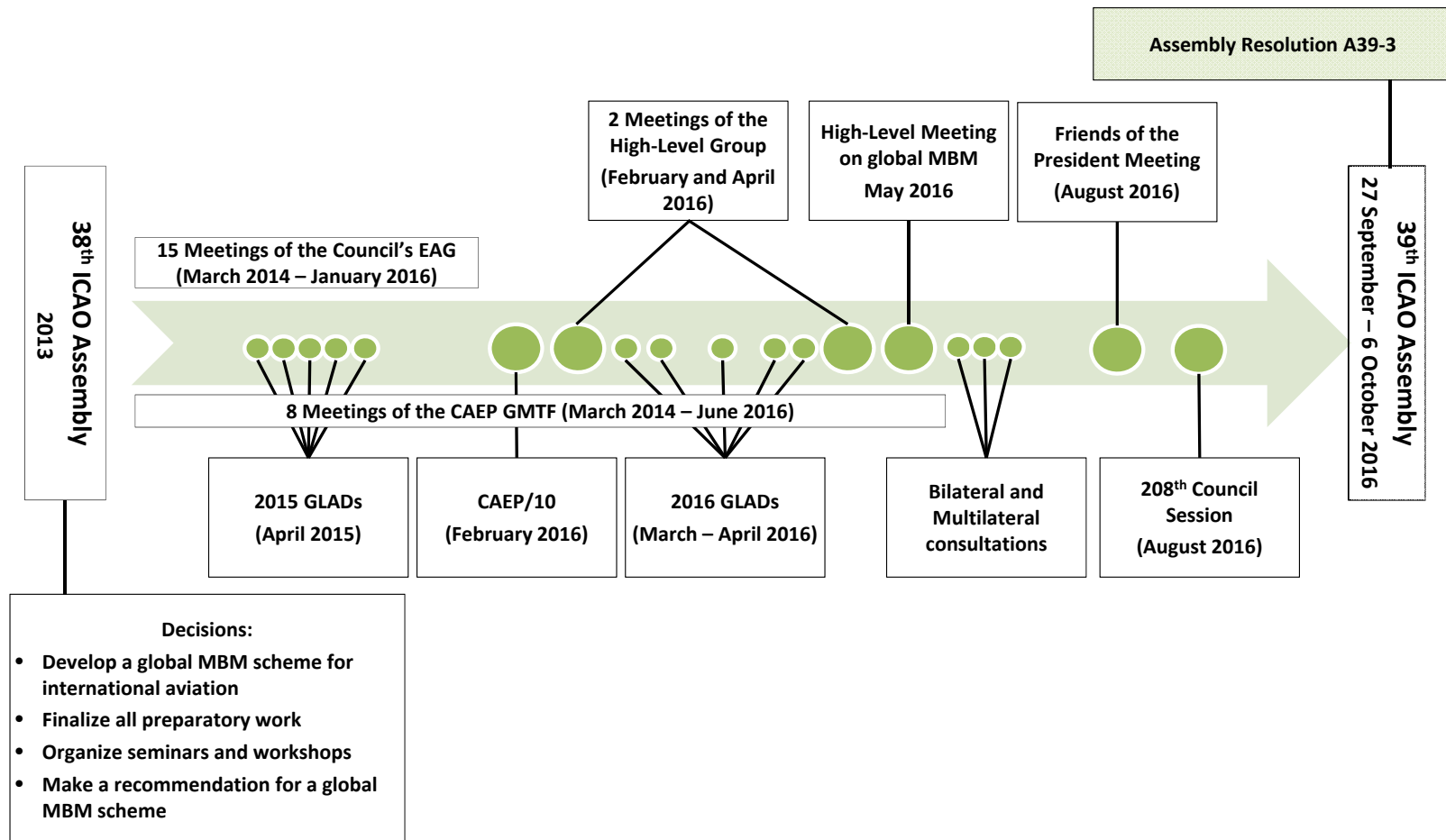


Background for developing a global MBM scheme

- In 2013, the 38th Session of the ICAO Assembly unanimously decided, “to develop a global MBM scheme for international aviation” (Resolution A38-18, paragraph 18)
- Under Resolution A38-18, the Council was requested to:
 - a) finalize the work on the technical aspects, environmental and economic impacts and modalities of the possible options for a global MBM scheme
 - b) organize seminars, workshops on a global scheme for international aviation
 - c) make a recommendation on a global MBM scheme that addresses key design elements and the mechanisms for the implementation of the scheme from 2020
- Council was requested to conduct this work and report its results for decision at the 39th session of the ICAO Assembly



Consultation Process leading up to the 39th ICAO Assembly





ICAO 39th Assembly in October 2016

- The 39th Session of the ICAO Assembly reached a historic agreement:
 - Acknowledged progress in all elements of the basket of measures (i.e. aircraft technology and Standards, operational improvements, sustainable alternative fuels, and global MBM)
 - Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)
- 3 Assembly Resolutions adopted:
 - Resolution A39-1: Consolidated Statement of continuing ICAO policies and practices related to environmental protection – General provisions, noise and local air quality
 - Resolution A39-2: Consolidated statement of continuing ICAO policies and practices related to environmental protection – Climate change
 - **Resolution A39-3: Consolidated statement of continuing ICAO policies and practices related to environmental protection – Global Market-based Measure (MBM) scheme *NEW !***



Resolution A39-3: Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

- 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



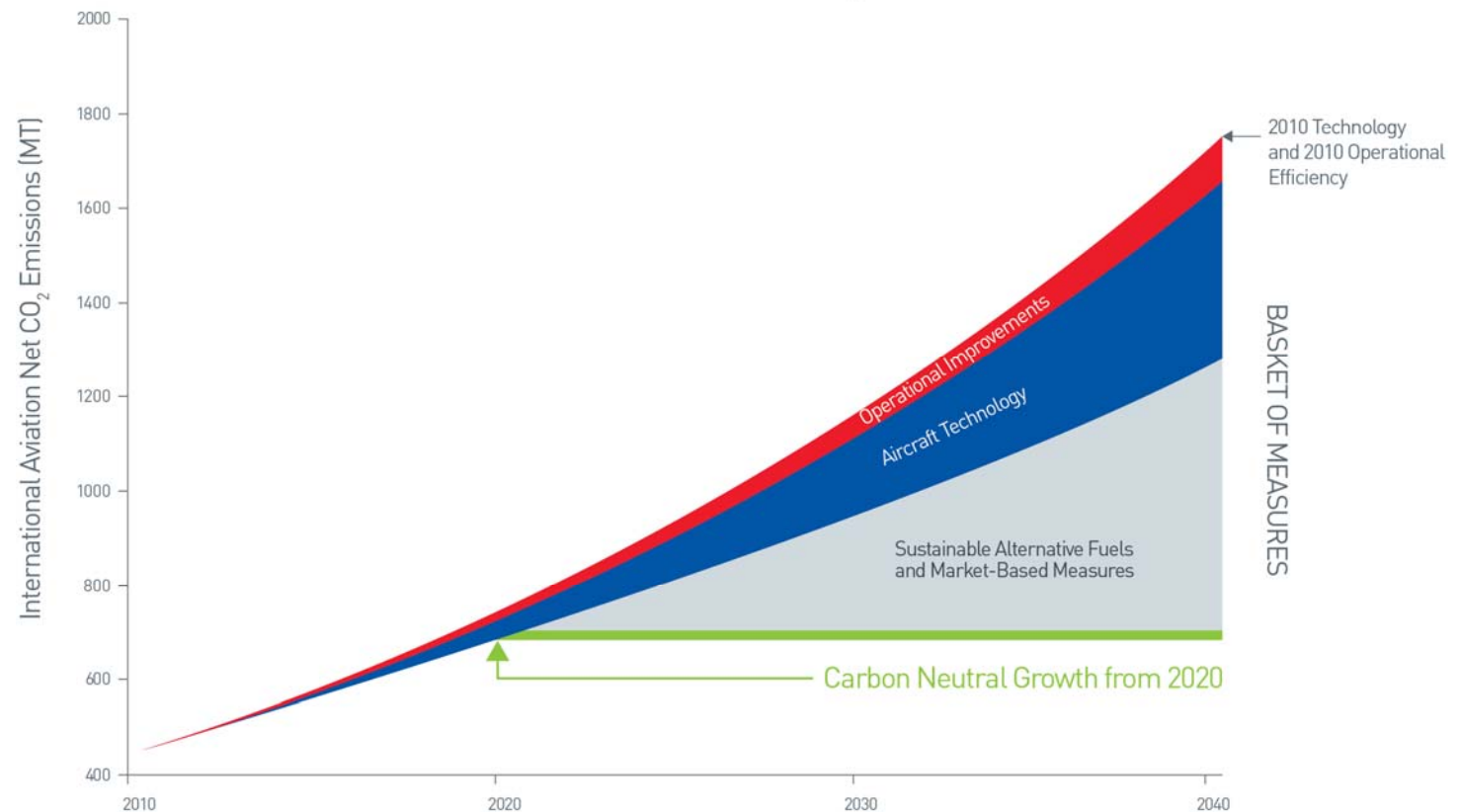
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Resolution A39-3: Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

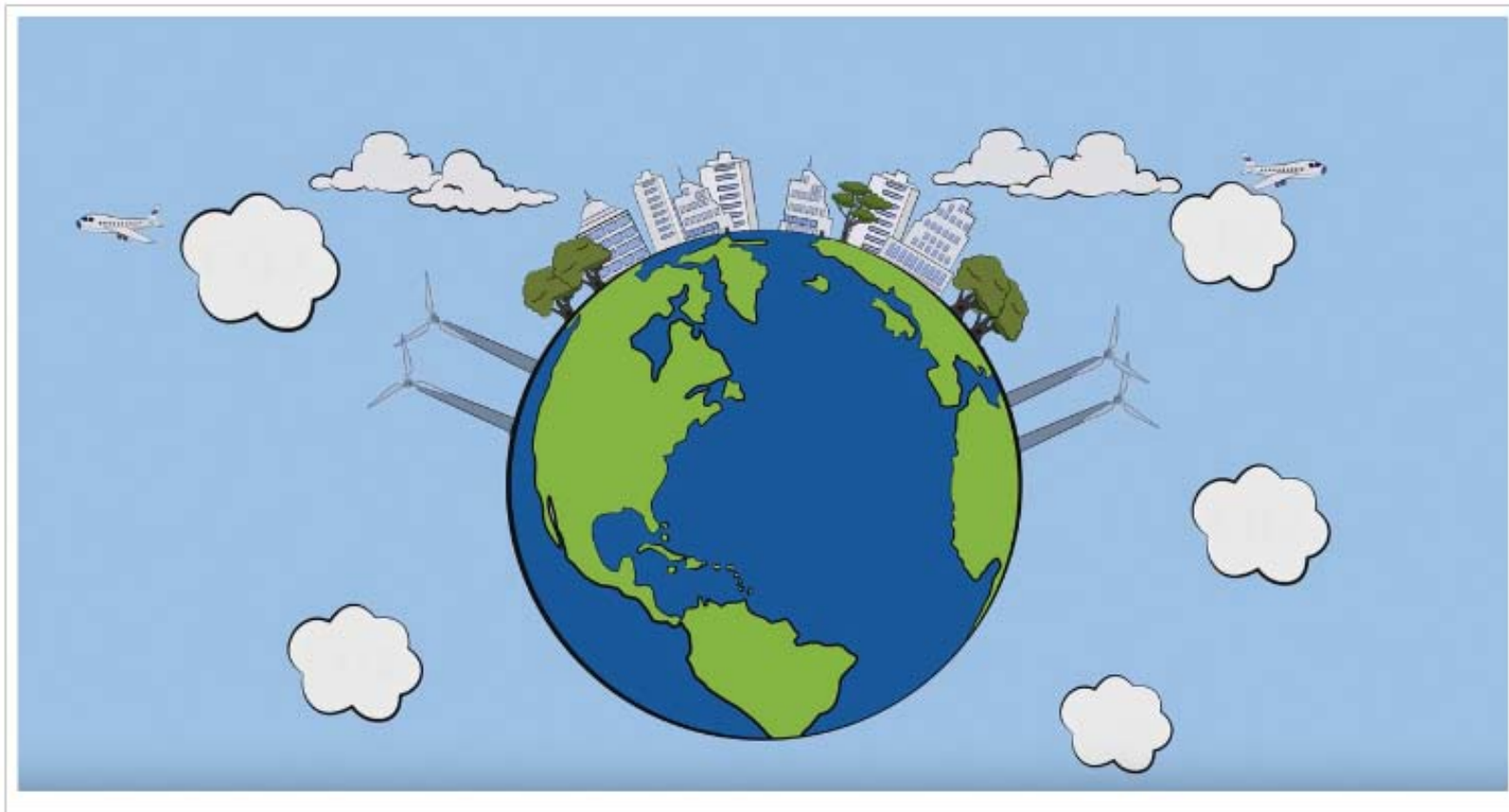
CORSIA addresses the remaining “emissions gap” to achieve CNG2020

Contribution of Measures for Reducing International Aviation Net CO₂ Emissions





Introduction to CORSIA



- <http://www.icao.int/environmental-protection/Pages/market-based-measures.aspx>

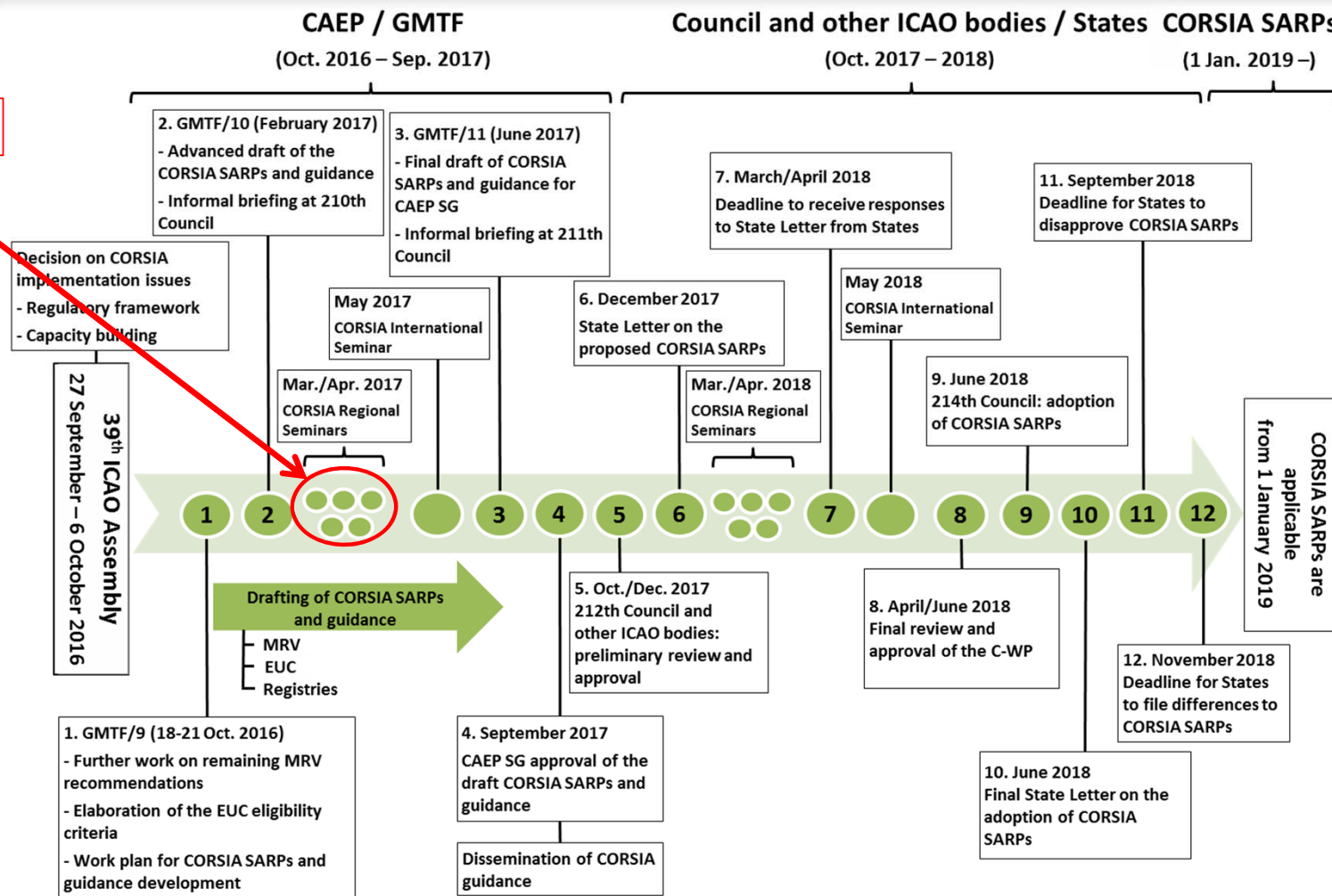


Time to prepare for CORSIA Implementation

- 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 SARP and Guidance Development Timeline

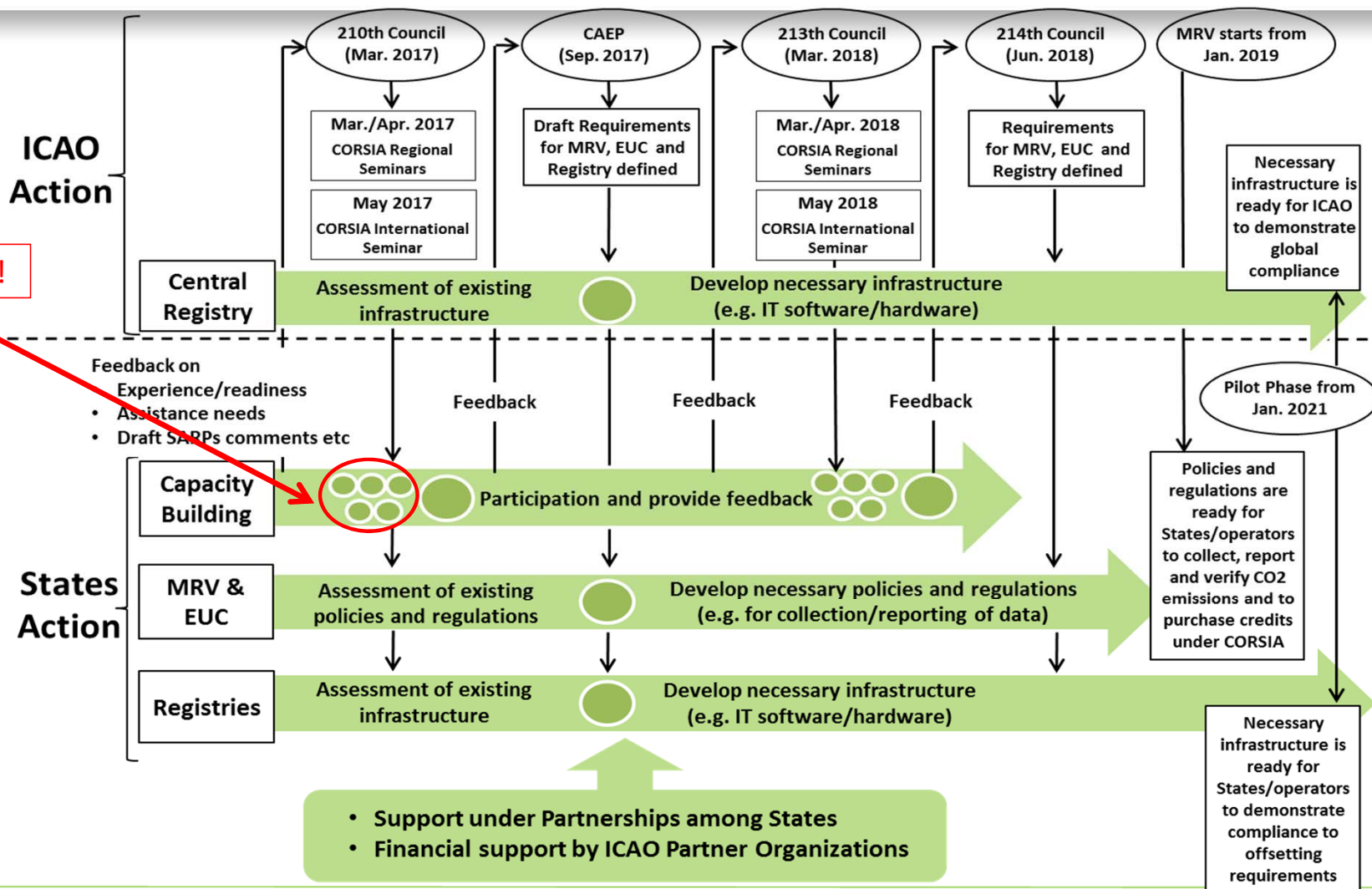




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CORSIA Capacity Building and Assistance





ICAO Governance Structure: Council's Advisory Group on CORSIA (AGC)

- The 209th Session of the ICAO Council (Nov 2016) endorsed the overall plan of preparatory activities for the CORSIA implementation, and established the **Advisory Group on CORSIA (AGC)** :
 - Composed of 12 Council Representatives to serve as an advisory body to the Council
 - Conducts its business in an informal and flexible manner with the technical contributions from CAEP being envisaged to facilitate the AGC's advisory role to the Council
 - The meetings of the AGC be open to all Council Representatives
 - AGC/1 in January 2017, AGC/2 in February 2017, AGC/3 in March 2017

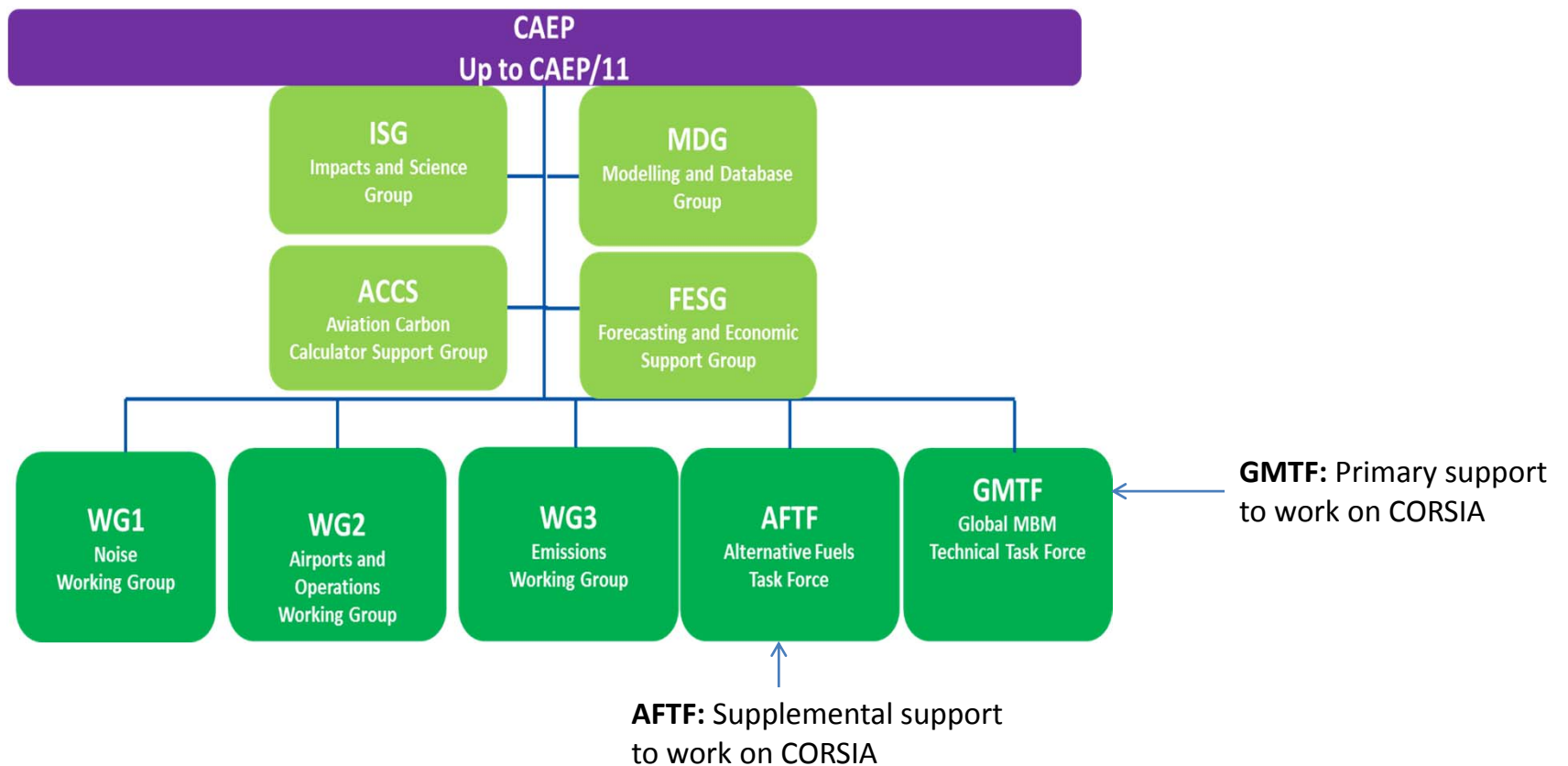


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ICAO Governance Structure: Council's Committee on Aviation Environmental Protection (CAEP)

The Assembly requested the technical contributions from the Committee on Aviation Environmental Protection (CAEP) to support the Council (and its Advisory Group on CORSIA (AGC))





Seminar Programme



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THANK YOU

More information on the CORSIA:

- ICAO web site <http://www.icao.int/env>
 - CORSIA Video
 - CORSIA FAQs
 - CORSIA voluntary participation
 - Environment Report 2016

