

# 2016 Global Aviation Dialogues (GLADs) on Market-Based Measures to address Climate Change

## 3. Draft Assembly Resolution Text - Implementation Mechanisms -



Environment, Air Transport Bureau  
International Civil Aviation Organization (ICAO)



## Draft Assembly Resolution Text on a global MBM scheme

- The following presentation outlines the next steps to be taken to implement a global MBM scheme for international aviation
- Proposed actions regarding the MRV system, Emissions Unit Criteria and Registries reflect the latest recommendations; however, work is ongoing and the Council's further deliberations will be reflected. Therefore, the proposed paragraph 17 should be considered "work in-progress"
- Although the details of implementation mechanisms are highly dependent on the final decision on the designs of a global MBM scheme, this presentation is intended to provide a sense of the "kind of work", "amount of work" and "timing of work" needed for the implementation of a global MBM scheme



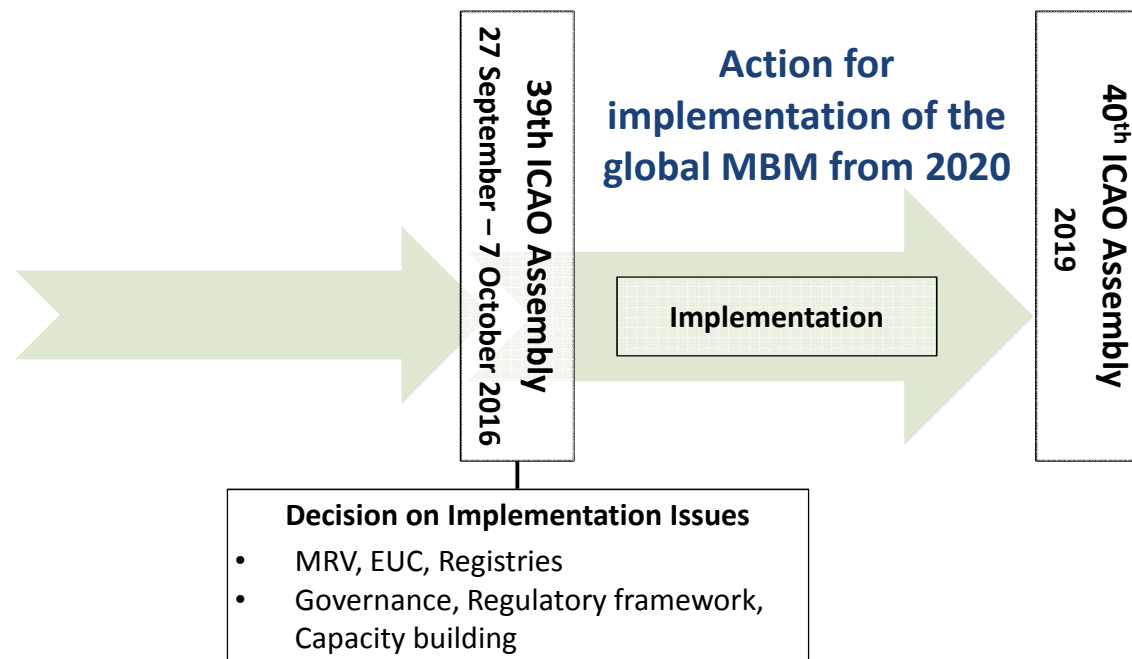
## Main Elements

- Implementation mechanisms (paragraph 17)
  - MRV system (paragraphs 17 a) to d))
  - Emissions Unit Criteria (paragraphs 17 e) to f))
  - Registries (paragraphs 17 g) to l))
  - Governance (paragraph 17 m))
  - Regulatory framework (paragraph 17 n))
- Further actions on the use of emissions units (paragraph 18)
- Further actions on aviation-related methodologies (paragraph 19)



# Paragraph 17 - Implementation Mechanisms

17. *Requests* the following actions be taken, with a view to establishing necessary mechanisms for implementation of the COSIA from 2020:



***This paragraph requests actions to be taken  
for the implementation of the COSIA***

***Note: paragraph 17 should be considered “work in-progress”***



## Paragraph 17 a) and b) - Implementation of the MRV System

Regarding the implementation of the MRV system,

- a) the Council to develop, with the technical contribution of CAEP, the **SARPs and related guidance material** for the implementation of the MRV system under the COSIA, **for adoption by the Council by June 2017**;
- b) **all Member States** whose aircraft operator undertakes international flights to develop the necessary arrangements for the **implementation of the MRV system from 1 January 2018**, in accordance with the MRV SARPs;

***These sub-paragraphs request the development and implementation of MRV rules by ICAO and States***



## Paragraph 17 c) and d) - Implementation of the MRV System

Regarding the implementation of the MRV system,

- c) the **Council** to take necessary action to **expand the provision of capacity building and assistance** for the preparation and implementation on Member States' action plans, in order to accommodate capacity building and assistance **for implementation of the MRV system** by Member States from 1 January 2018, including organization of **seminars and training in all regions from 2017**, and facilitation of financial support where needed;
- d) **Member States to build partnerships among themselves** to cooperate on the implementation of the MRV system;

***These sub-paragraphs request  
capacity building and partnerships on MRV***



## Paragraph 17 e) and f) - Implementation of EUC

Regarding the Emissions Unit Criteria (EUC),

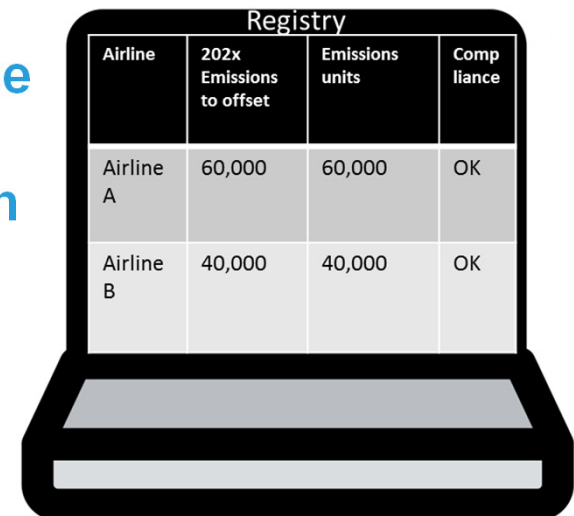
- e) the Council to develop, with the technical contribution of CAEP, necessary **guidance material** for Emissions Unit Criteria (EUC) to support the purchase of appropriate emissions units by aircraft operators under the scheme, **for adoption by the Council by 2018;**
- f) the Council to establish, with the technical contribution of CAEP, a **standing technical advisory body** on the Emissions Unit Criteria (EUC) to support the application of the EUC by Member States;

***These sub-paragraphs request the development of EUC guidance material and establishment of a standing technical advisory body, for application of EUC by States***

## Paragraph 17 g) and h) - Implementation of Registries

Regarding the establishment of Registries,

- g) the Council to develop, with the technical contribution of CAEP, necessary **guidance material** to support the establishment of registries under the scheme, **for adoption by the Council by 2018**;
- h) the Council to establish a **consolidated central registry under the auspices of ICAO**, for operationalization **no later than 1 January 2021**;



Registry			
Airline	202x Emissions to offset	Emissions units	Compliance
Airline A	60,000	60,000	OK
Airline B	40,000	40,000	OK

***These sub-paragraphs request the development of Registry guidance material and the establishment of a consolidated central registry***





## Paragraph 17 i) and j) - Implementation of Registries

Regarding the establishment of Registries,

- i) **Member States** included in the scheme at the **first implementation phase** to develop necessary arrangements for the establishment of **their own registries or group registries** established by groups of States, in accordance with the ICAO guidance, for operationalization **no later than 1 January 2021**;
- j) **Member States** newly included in the scheme at the **second implementation phase** to develop necessary arrangements for the establishment of **their own registries or group registries** established by groups of States, in accordance with the ICAO guidance, for operationalization **no later than 1 January 2026**;

***These sub-paragraphs request the establishment of Registries for 1<sup>st</sup> and 2<sup>nd</sup> phase States included in the COSIA***



## Paragraph 17 k) and l) - Implementation of Registries

Regarding the establishment of Registries,

- k) the **Council** to take necessary action to **expand the provision of capacity building and assistance** for the preparation and implementation on Member States' action plans, in order to accommodate capacity building and assistance **for establishment of registries** by States, including organization of **seminars and training in all regions from 2017**, and facilitation of financial support where needed;
- l) **Member States to build partnerships among themselves** to cooperate on the establishment of their own registries or group registries established by groups of States, and possible pilot implementation;

***These sub-paragraphs request  
capacity building and partnerships on Registries***



## Paragraph 17 m) and n) - Governance and Regulatory Framework

Regarding the governance of the COSIA,

- m) the **Council to oversee the functioning of the COSIA**, with support provided by the standing technical advisory body and CAEP, as needed, including the **review of the design elements** of the scheme;

Regarding the regulatory framework,

- n) **Member States** to take necessary action to ensure that the necessary **national regulatory framework** be established for the compliance and enforcement of the scheme **by 2020**.

***These sub-paragraphs request actions regarding the governance and regulatory framework for the COSIA***



## Paragraph 18 -

## Further Action on the Use of Emissions Units

*18. Requests* the Council to promote the use of emissions units generated from programmes that meet the Emissions Unit Criteria (EUC) and would benefit projects involving developing States by the COSIA, including emissions units generated from the CDM, new market mechanisms or other programmes under the UNFCCC, and *encourages* States to develop aviation-related projects;

***This paragraph requests  
further actions on the use of emissions units***



## Paragraph 19 - Further Action on Methodologies

*19. Requests* the Council to explore further development of aviation-related methodologies for use in offsetting programmes, including mechanisms or other programmes under the UNFCCC, and *encourages* States to use such methodologies in taking actions to reduce aviation CO<sub>2</sub> emissions, which could further enable the use of credits generated from the implementation of such programmes by the COSIA, without double-counting of emissions reduction;

— END —

***This paragraph requests  
further actions on aviation-related methodologies***



## Implementation support

- States' Voluntary Action Plans -



# Implementation Support: States' Voluntary Action Plans

## States' Action Plans to reduce aviation CO<sub>2</sub> emissions

- Opportunity for States to identify measures to reduce emissions, and specific needs for assistance
- Allows future progress toward the global environmental goals to be assessed



Quantified Action Plans are necessary

[http://www.icao.int/environmental-protection/Pages/ClimateChange\\_ActionPlan.aspx](http://www.icao.int/environmental-protection/Pages/ClimateChange_ActionPlan.aspx)

## Current status of States' Action Plans submitted

- 89 States, representing around 88% international RTK, submitted action plans by 15 March 2016
- Compared to by A38, 50% more action plans expected by A39,





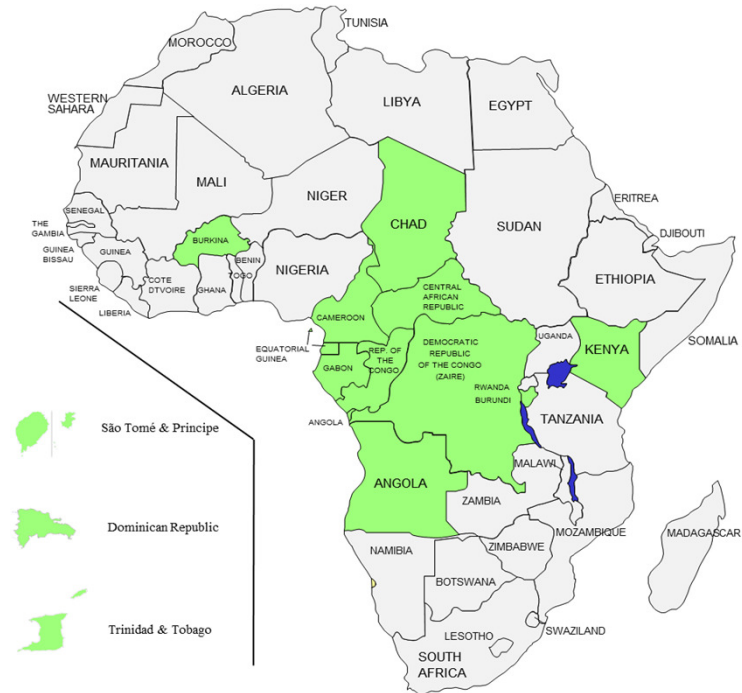
## States' Action Plans – ICAO Capacity Building Programme

- ICAO Guidance on the Development of States' Action Plans (Doc 9988)
- ICAO interactive web-interface – APER website
- Hands-on training seminars in all ICAO Regions
- Over 200 teleconferences and meetings with States' Focal Points
- Support provided by ICAO Regional Offices and Technical Cooperation Bureau



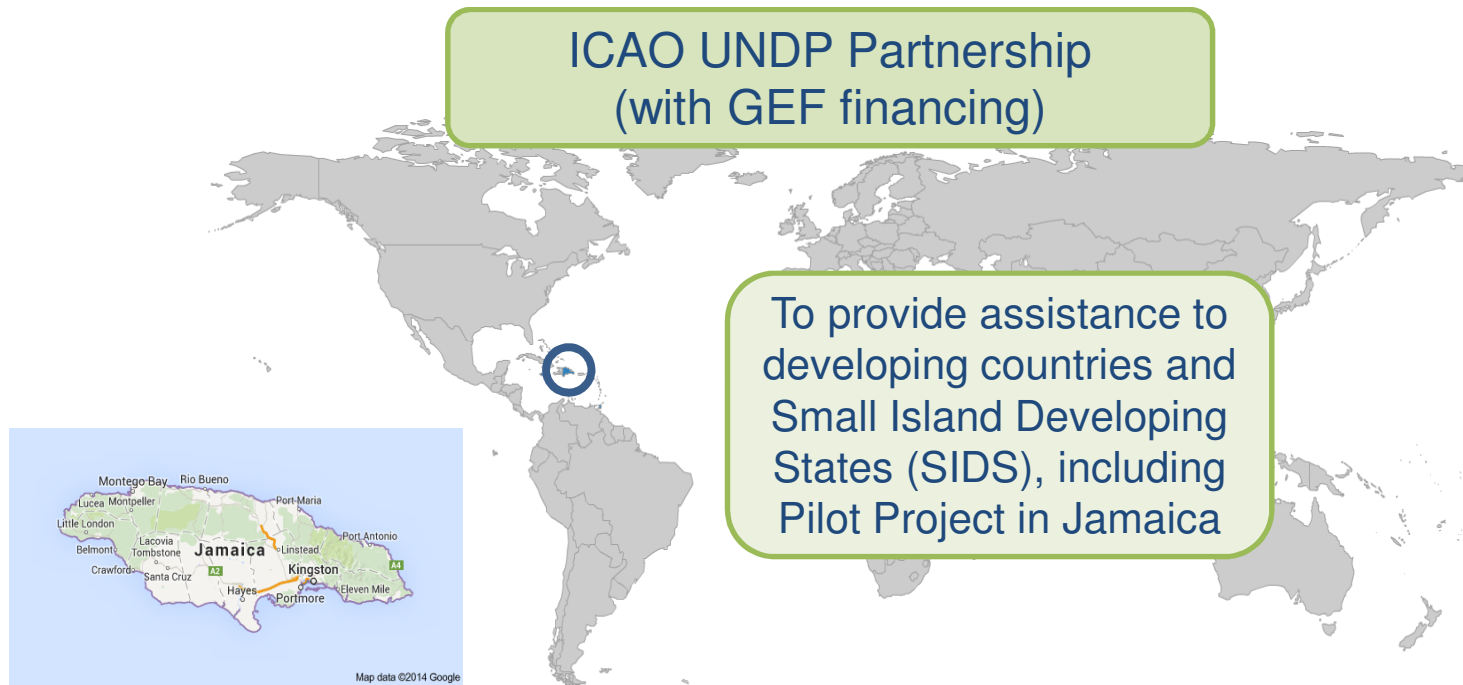
## ICAO-EC partnership to assist 14 Member States – 6.5 Million Euros

ICAO African Region	ICAO Caribbean Region
10 ECCAS States	Dominican Republic
Burkina Faso	Trinidad and Tobago
Kenya	



### 3 Areas of Activities

- Capacity building for the development of State Action Plans
- Setting up **Aviation Environmental Systems (AES)** and capacity building for States to prepare their **aviation emissions inventories**
- Identification and implementation of measures to reduce emissions



1. Identification of low emissions aviation measures for developing countries and SIDS
2. Support developing countries and SIDS to strengthen their national capacities and processes
3. Establishment of a technical support platform to facilitate low emissions measures
4. Demonstration of low emissions aviation measures— Pilot Project in Jamaica, which could be replicated in developing countries and SIDS



ICAO

ENVIRONMENT

## Implementation Support: ICAO Action Plan Buddy Programme

- **ICAO Action Plan Buddy Programme**, aligned with ICAO Resolution A38-18, paragraph 13, invites States that have submitted their action plan to share information contained in their plans and build partnerships with other Member States in order to support those States
- It aims to facilitate the development of international cooperation among ICAO Member States, in which one State - the Buddy - assists another State

