



# **ICAO progress on global Market-based Measure and international MRV**

**November 6, 2014 Brussels**

**Rasa Scepnaviciute  
DG CLIMA, European Commission**

# Overview

- ***ICAO process on a global MBM***
- ***Draft design of a global offsetting system – the Strawman proposal***
- ***MRV***

# ICAO process on a global MBM

## Environmental Advisory Group:

- Strawman proposal on Global mandatory offsetting
- Analysis of impacts of the Strawman

## CAEP Technical Task Force on a Global MBM:

- Work on Emissions Units
- Development of recommendations on MRV

# Strawman Proposal (I)

*Developing document, the 3<sup>rd</sup> version released on  
19 September*

**Goal:** Climate Neutral Growth as of 2020

**Baseline:** 2018-2020 average

**Scope:** International flights

**Participants:** Aircraft operators

# Strawman Proposal (II)

## Range of options for distribution of the obligations on the table:

- 1) Based on a ratio of individual growth rate and sectoral growth rate (50:50; 0:100)
- 2) Based on historical emissions
- 3) Based on route differentiation

# Strawman Proposal (III)

## Exemptions:

1. Services to and from Lowest Emissions States
2. Technical exemptions:
  1. Aircraft operators with less than 10000 t of CO<sub>2</sub> per year
  2. Humanitarian, military, fire fighting, etc..
  3. Aircraft with the 5700 MTOW

# Strawman Proposal (IV)

Compliance tracking: an international registry

Emissions units: eligibility criteria to be developed  
by the CAEP GMTF

MRV: to be developed by CAEP GMTF

## CAEP GMTF:

1. Development of eligibility criteria for emissions units
2. Development of recommendations for a MRV for a global MBM
3. Assessment of impacts of the Strawman



# MRV for international aviation

- MRV task group created under the CAEP
  - *Participation from EU, US, China, Singapore, industry & NGOs*
- Task: development of the recommendations for MRV system for a global MBM:
  - *Procedures for monitoring fuel consumption/emissions, reporting and verification procedures*
  - *Procedures for MRV of alternative fuels*

# Elements "pre-defined" in the Strawman:

- MRV carried on an annual basis
- Aircraft operators report to a single State (State that issued AOC)
- Monitoring and reporting of emissions is based on actual fuels consumed
- Simplified methods to small operators
- States report emissions of their operators to ICAO

# Procedures for monitoring

- A number of methods under discussion:
  - *Based on fuel purchase*
  - *Based on demonstrated fuel consumption*
  - *Based on estimation*
- Differentiation of requirements for operators with different levels of activity
- Balance between accuracy and simplicity

# Procedures on Reporting

Working papers under development:

- *Reporting means and methods*
- *Data needs for verification, reporting and validation*
- *Transparency and confidentiality*

# Administration

Questions on the administration of MRV:

- *Roles of aircraft operators, States, ICAO*
- *Identification of aircraft operators*
- *Attribution of aircraft operators to States*
- *Definition of international flight*