





CORSIA IMPLEMENTATION IN INDONESIA CHALLENGES AND LESSONS LEARNT

DGCA Indonesia
 The Sukhothai, Bangkok, 3 July 2019

EU-South East Asia Aviation Partnership Project

Policy Background

- President Decree No. 61 Year 2011: The National Action Plan (RAN-GRK);
- President Decree No. 71 Year 2011: National Inventory of Greenhouse Gas Emissions;
- Ministry of Transportation Decree No. KP 201 Year 2013: National Action Plans and Inventory of Greenhouse Gas for Transportation Sector;
- DG of Civil Aviation (DGCA) Decree KP 61 Year 2019 establishing the “Task Force of Climate Change and Green-House-Gas of Civil Aviation Sub Sector (CCGHGTF)”.



POLICY BACKGROUND

ICAO recommendation:



ICAO ASSEMBLY RESOLUTION A39-3: Consolidated statement of continuing ICAO policies and practices related to environmental protection - **Global Market-based Measure (MBM) Scheme**

Important statements:

Preamble

- **Noting** the support of the aviation industry for a **single global carbon offsetting scheme**, as opposed to a patchwork of State and regional MBMs, **as a cost effective measure to complement** a broader package of measures including technology, operations and infrastructure measures

Par. 5

- **Decides** to implement a GMBM scheme in the form of the **Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)** to address any annual increase in total CO₂ emissions from international civil aviation (i.e. civil aviation flights that depart in one country and arrive in a different country) above the 2020 levels, taking into account special circumstances and respective capabilities



CORSIA Implementation

Indonesia supports the CORSIA implementation from Pilot Phase



**PROMOTE
REGIONAL
COOPERATION**

As of 6 May 2019, **80 States**, representing **76.63%** of international aviation activity, intend to voluntarily participate in CORSIA

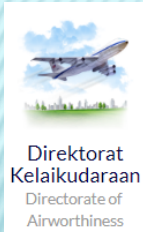
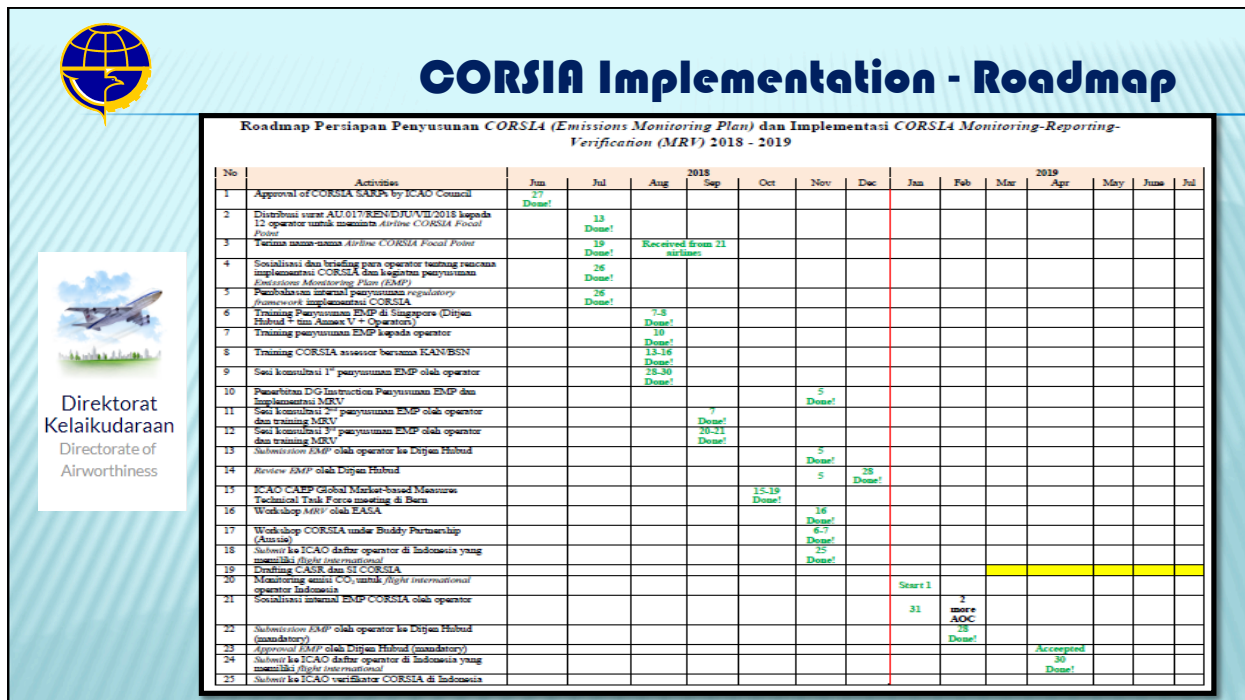


33	Iceland	Bratislava Declaration; ICAO A39- WP/414
34	Indonesia	ICAO A39-WP/211
35	Ireland	Bratislava Declaration; https://www.icao.int/environmental-protection/CORSIA/Pages/state-pairs.aspx

Indonesia has voluntarily intend to participate in the first implementation phase (2021) and to facilitate potential regional cooperation

**CORSIA MRV
2019-2020**

**CORSIA Pilot
2021**

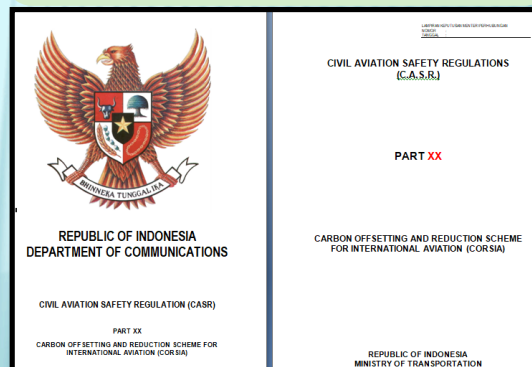




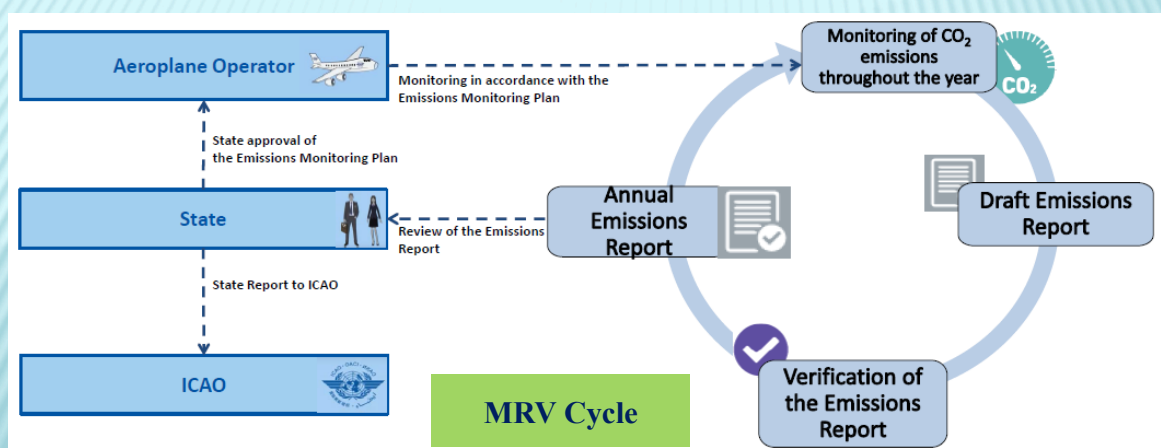
CORSIA Implementation – Natl Regulation



Formulation focus on the first two Chapters (1. Administration, 2. MRV of aeroplane operator annual CO₂ emissions) of Part II Annex 16 Vol IV.



CORSIA Implementation - MRV





CORSIA Implementation - MRV

**DG order to submit EMP
by 5th November 2018**

**KEMENTERIAN PERHUBUNGAN
DIREKTORAT JENDERAL PERHUBUNGAN UDARA
DIREKTORAT KELAUKUDARAAN DAN PENGOPERASIAN PESAWAT UDARA**

Jl. C. G. Gebang Perumahan Bandara Soekarno Hatta Telp. : (+62 - 21) 2256 6288 Fax : (+62 - 21) 2256 6399
Tangerang - Banten, Indonesia 15126 (+62 - 21) 2260 8887

Nomor : **11.13/ P/2018/ SK/ 12018** Tangerang, 31 Oktober 2018

Klasifikasi : **Penting**

Lampiran : **1 (satu) berkas**

Perihal : **Penyerahan ICAO CORSIA Emissions Monitoring Plan (EMP)** Kepada

Yth. **Periksa Alamat Terlampir**

1. Menindaklanjuti pengesahan Annex 16 Volume IV tentang *Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)* oleh *ICAO Council* pada tanggal 27 Juni 2018 serta *roadmap* Direktorat Jenderal Perhubungan tentang persiapan implementasi skema ICAO CORSIA, disampaikan kewajiban operator pesawat pesawat udara yang memiliki penerbangan internasional dengan estimasi emisi tahunan penerbangan internasional sama dengan atau di atas 10,000 ton CO₂ emission (equivalent - 3,164 ton avtur) untuk menyusun dan menyerahkan dokumen *Emissions Monitoring Plans (EMP)* berikut data estimasi penggunaan bahan bakar setahun ke belakang (penerbangan internasional) menggunakan *ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)* kepada Direktorat Kelaikudaraan dan Pengoperasian Pesawat Udara (DKPPU) paling lambat tanggal 5 November 2018.

2. Sehubungan dengan butir 1 (satu) di atas, bagi operator yang estimasi emisi tahunannya (penerbangan internasional) di bawah 10,000 ton CO₂ emission (equivalent - 3,164 ton avtur) diwajibkan melaporkan estimasi emisi tersebut menggunakan *ICAO CORSIA CERT* kepada DKPPU dan secara berkala mengirimkan laporan penggunaan bahan bakar dengan mengisi ICAO Form-M kepada Direktorat Angkutan Udara.

3. Demikian disampaikan, atas perhatian dan kerjasamanya diucapkan terima kasih.

s.n. DIREKTUR JENDERAL PERHUBUNGAN UDARA
DIREKTUR KELAUKUDARAAN DAN
PENGOPERASIAN PESAWAT UDARA

CAPT. AYRIANTO S., S.Pd., MM
Pembina Tk. I (IV/b)
NIP. 19651201990031001

Tembusan Yth.:

1. Direktur Jenderal Perhubungan Udara;
2. Sekretaris Ditjen Perhubungan Udara;
3. Direktur Angkutan Udara;
4. Kepala Bagian Perencanaan Sedianjaya Hubud;
5. Para Direktur Utama Alamat Terlampir.



CORSIA Implementation - MRV

✕ Airlines with international flights

Sriwijaya Air	My Indo	Enggang Air Service
Indonesia AirAsia	Wings Air	Indonesia Air
Indonesia AirAsia X	Premi Air	Penerbangan Angkasa Semesta
Garuda Indonesia	Airfast Indonesia	Purawisata Baruna
Citilink	Travira	Transnusa
Cardig Air	Johnlin	Transwisata
Lion Air	Eastindo	Tri MG
Batik Air	Elang Lintas	

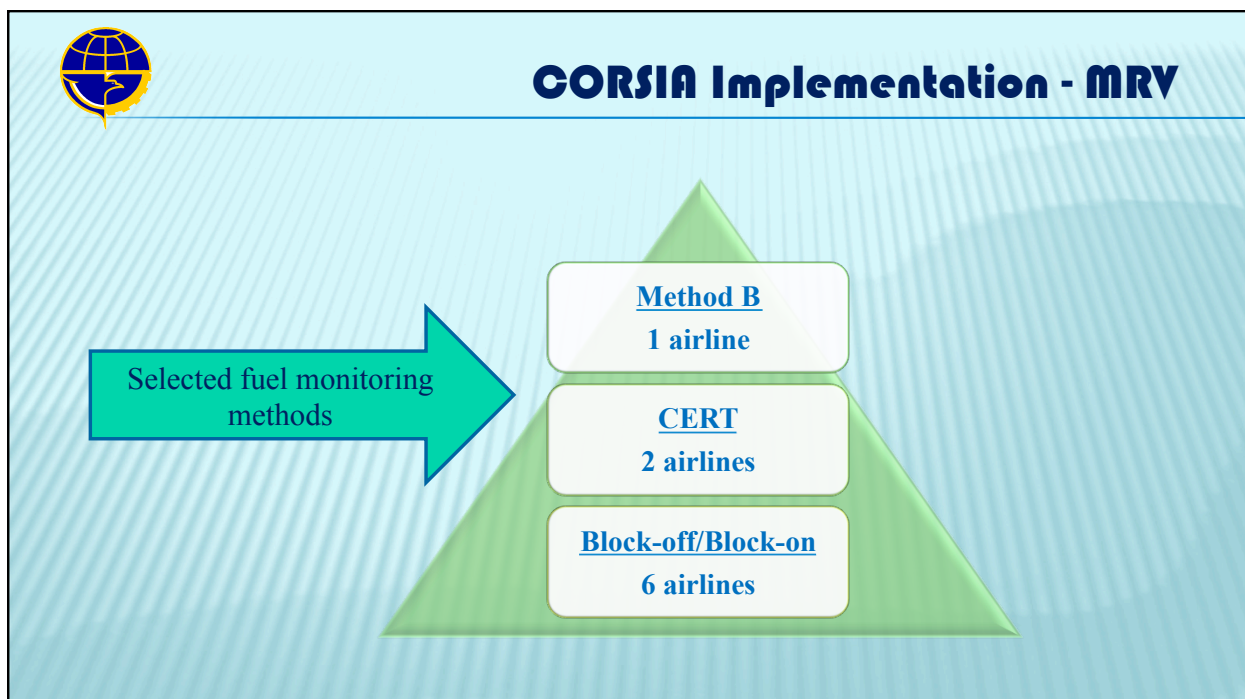
 **CORSIA Implementation - MRV**

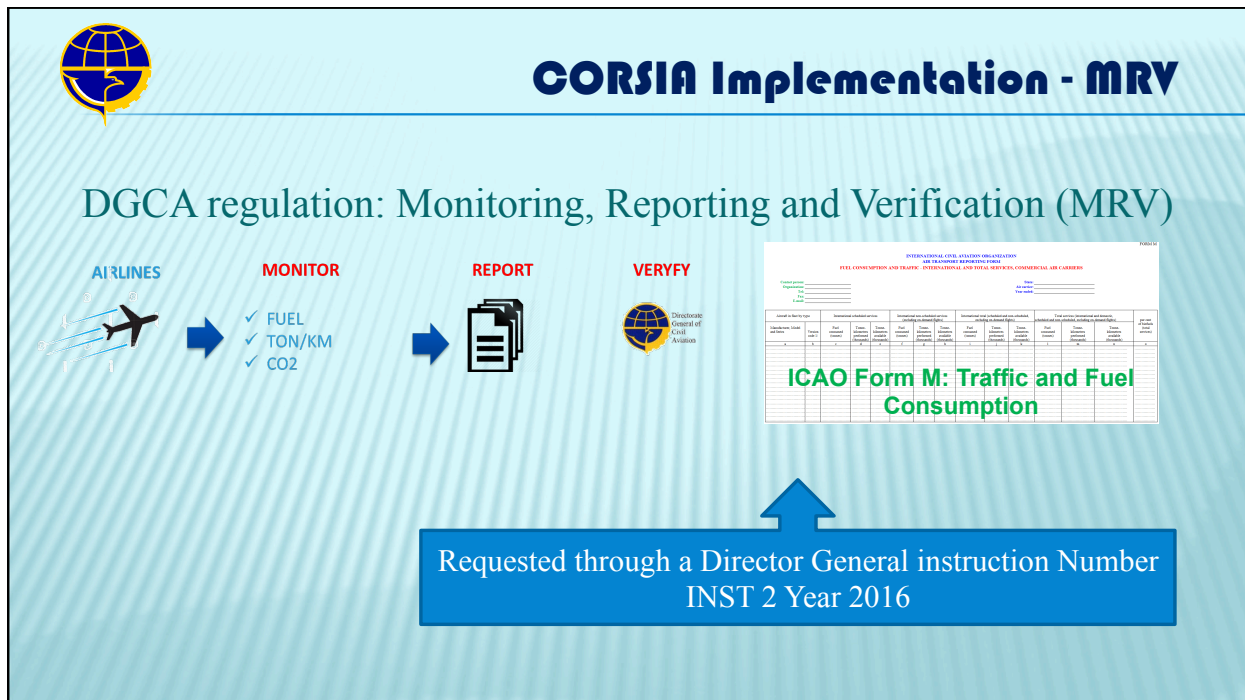
Airlines subject to EMP





CORSIA Implementation - MRV

In order to ensure all relevant personnel and units within the organization aware of CORSIA scheme, **internal socialization** is required! (Jan – Feb 2019)

The socialization efforts were conducted across three groups:

- AirAsia Group** (top right photo)
- Garuda Group** (bottom left photo)
- Lion Group** (bottom center photo)



CORSIA IMPLEMENTATION – COORDINATION W/ NATIONAL ACCREDITATION BODY

TRAINING ON GHG VERIFICATION ICAO CORSIA SCHEME

Ditjen Perhubungan Udara, Kementerian Perhubungan,
Komite Akreditasi Nasional (KAN),
Jakarta 13-16 Agustus 2018





- 1 -





KESEPAKATAN BERSAMA
ANTARA
DIREKTORAT JENDERAL PERHUBUNGAN UDARA
KEMENTERIAN PERHUBUNGAN REPUBLIK INDONESIA
DENGAN
KOMITE AKREDITASI NASIONAL
TENTANG
PENYELENGGARAAN KEGIATAN AKREDITASI LEMBAGA VALIDASI
DAN/ATAU VERIFIKASI GAS RUMAH KACA UNTUK PROGRAM
PENGURANGAN DAN PENURUNAN EMISI KARBON UNTUK PENERBANGAN
SIPIIL INTERNASIONAL (CARBON OFFSETTING AND REDUCTION SCHEME
FOR INTERNATIONAL AVIATION/CORSIA)


Nomor: AU.1262/KUM/DJU/XI/2018
Nomor: 03/PKS/PALS-Ling/11/2018

Pada hari ini **Senin**, tanggal **Sembilan Belas**, bulan **November**, tahun **Dua Ribu Delapan Belas (19-11-2018)**, bertempat di **Jakarta**, kami yang bertanda tangan di bawah ini:


Roles and
responsibilities must
be clear.




CHALLENGES AND LESSONS LEARNT




Time restriction




Multi coordination




New infrastructures




Collaboration



Consistency



Organization support



Intense communication



Thank you!