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# Session 1: Overview of CORSIA Introduction to the CORSIA and Resolution A39-3

ICAO Secretariat



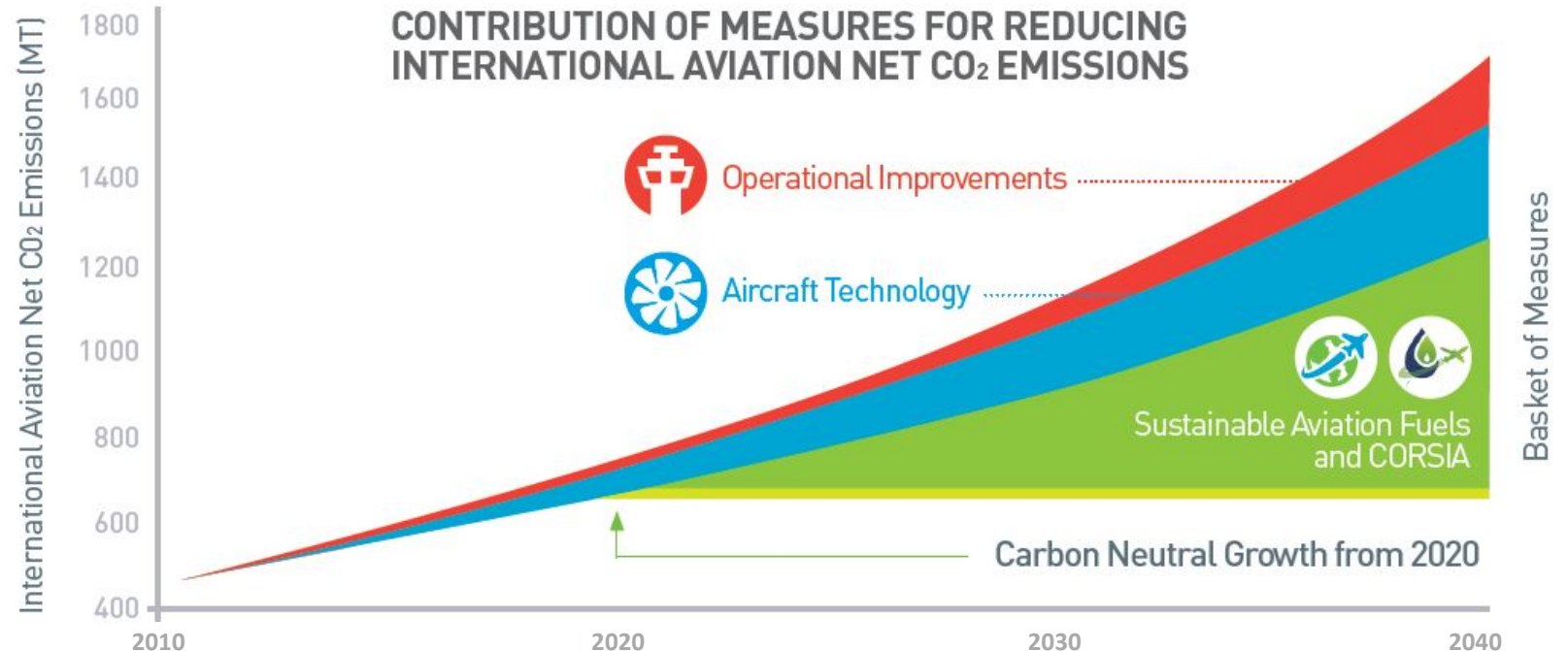


Adopted through Assembly Resolution 39-3

## The first global MBM scheme for any industry sector

To achieve ICAO's global aspirational goal of carbon neutral growth from 2020 (CNG 2020), CORSIA is one complementary element in the basket of measures to:

- aircraft technology
- operational improvements
- sustainable aviation fuels





- Key design features of CORSIA:
  - Phased implementation (paragraph 9)
  - Emissions coverage: route-based approach (paragraph 10)
  - Offsetting requirements (paragraph 11)
  - New entrants (paragraph 12)
  - Technical exemptions (paragraph 13)
  - Review mechanism (paragraphs 9g and 18)
- CORSIA implementation features:
  - Monitoring, Reporting and Verification (paragraphs 15, 20a and 20b)





72 States (75.95% of international aviation activity) to participate in the pilot phase  
*(As of 29 June 2018)*



**Second phase participation criteria:**

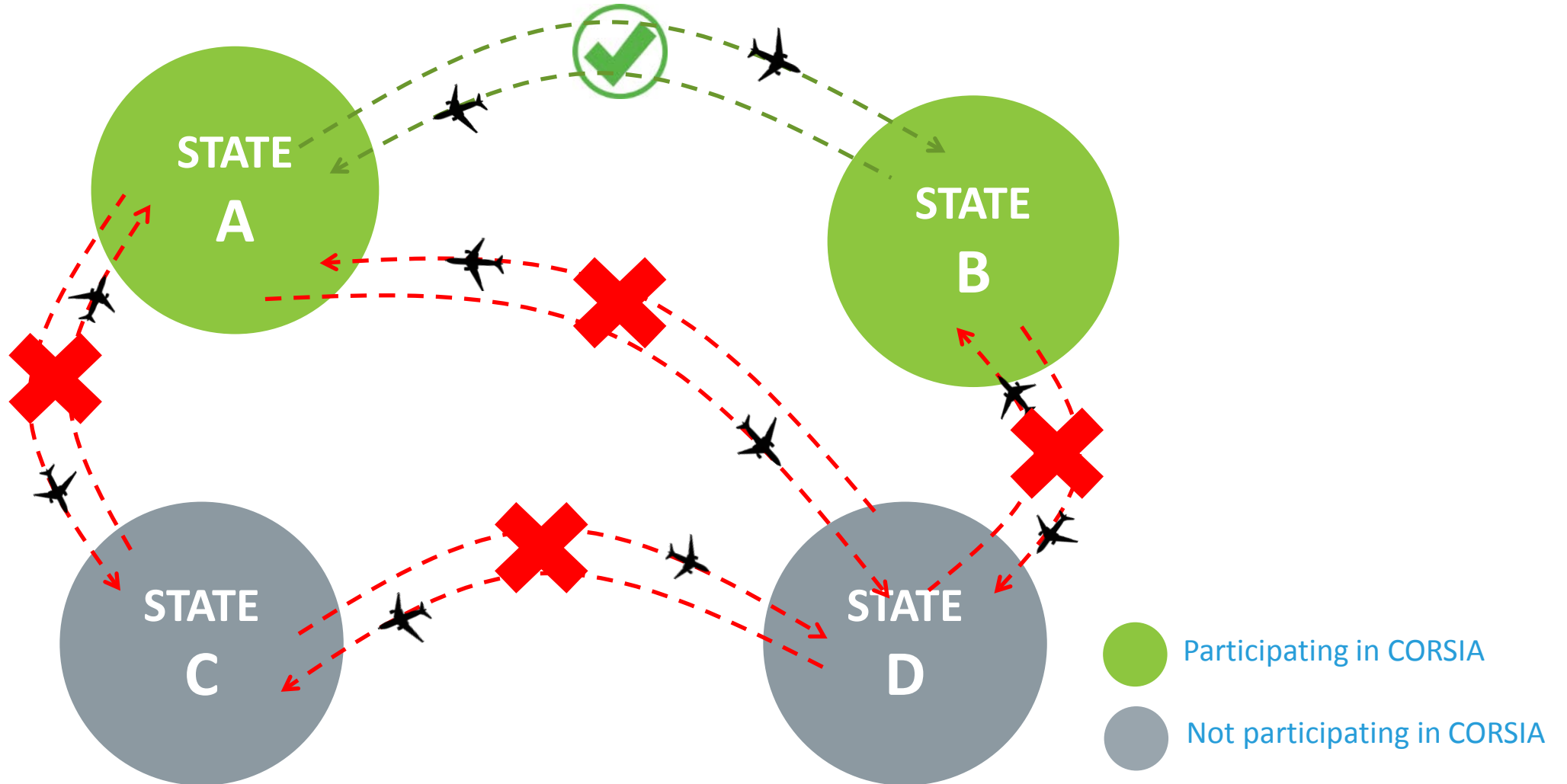
- 90% of global RTK
- 0.5% of RTK

**Exemptions:**

- LDCs, LLDCs, SIDS

**All Member States are encouraged to participate in the pilot and first phase of the CORSIA**

Reference: Assembly Resolution A39-3, Paragraph 9

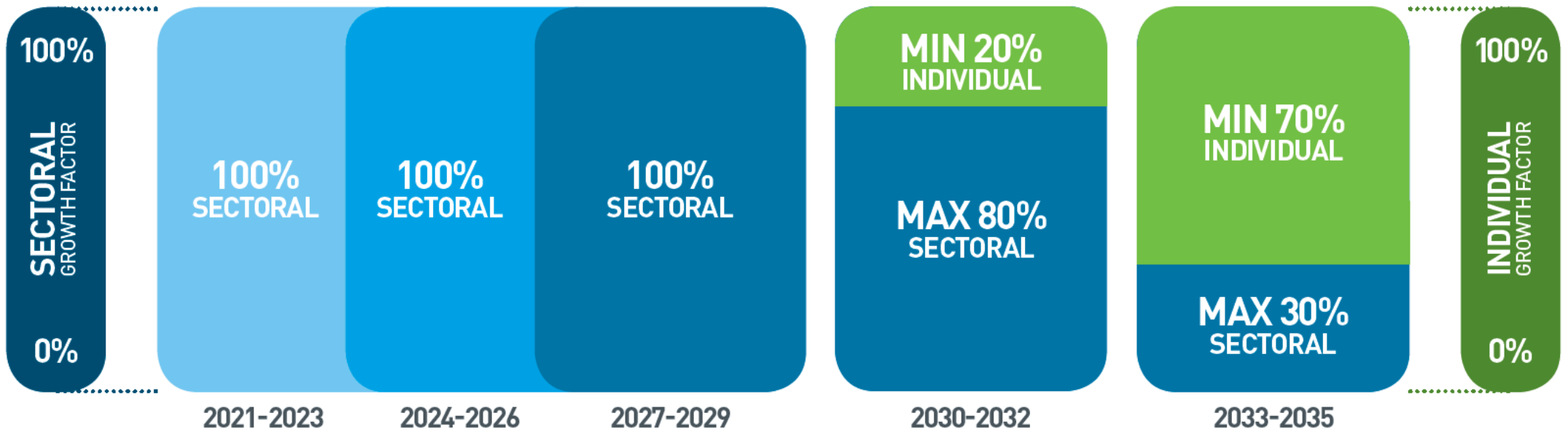


Reference: Assembly Resolution A39-3, Paragraph 10



**Operator's annual emissions X Growth Factor = CO<sub>2</sub> offset requirements**

The Growth Factor changes every year taking into account both the sectoral and the individual operator's emissions growth. The Growth Factor is the percent increase in the amount of emissions from the baseline to a given future year, and is calculated by ICAO.



Reference: Assembly Resolution A39-3, Paragraph 11



- New entrant (aeroplane operator) is exempted from CORSIA offsetting requirements for the first 3 years or until its annual emissions exceed 0.1% of total 2020 CO<sub>2</sub> emissions from international flights, whichever comes first.
- Example: Operators A and B start operations in year 2022 as shown in the table below. According to the paragraph above, Operator A will have offsetting requirements in 2025, and Operator B in 2024.

Operator	Emissions (% of total emissions in 2020)			
	2022	2023	2024	2025
A	0.02	0.04	0.06	0.08
B	0.06	0.11	0.16	0.21

Reference: Assembly Resolution A39-3, Paragraph 12



- **Outside CORSIA scope:**
  - Emissions from aeroplane operators emitting less than 10 000 metric tonnes of CO<sub>2</sub> emissions from international aviation per year
  - Emissions from aircraft with less than 5 700 kg of Maximum Take Off Mass (MTOM)
  - Emissions from humanitarian, medical and firefighting operations





- Periodic review will allow the Council to make informed recommendations to the Assembly on whether it is necessary to make adjustments to the next phases of the scheme
  - Periodic review of the CORSIA every three years starting in 2022
  - Special review by the end of 2032 on termination of the scheme, its extension or any other improvements of the scheme beyond 2035

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Phases	Pilot Phase (voluntary, 3 years)			First Phase (voluntary, 3 years)			Second Phase (all non-exempted States, 9 years)								
Compliance cycles	Cycle 1 (3 years)			Cycle 2 (3 years)			Cycle 3 (3 years)			Cycle 4 (3 years)			Cycle 5 (3 years)		
Periodic reviews		Review 1			Review 2			Review 3			Review 4	Special			Review 5
Assemblies		A41			A42			A43			A44				A45

Reference: Assembly Resolution A39-3, Paragraphs 9(g), 16 and 18



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# Video - CORSIA Implementation



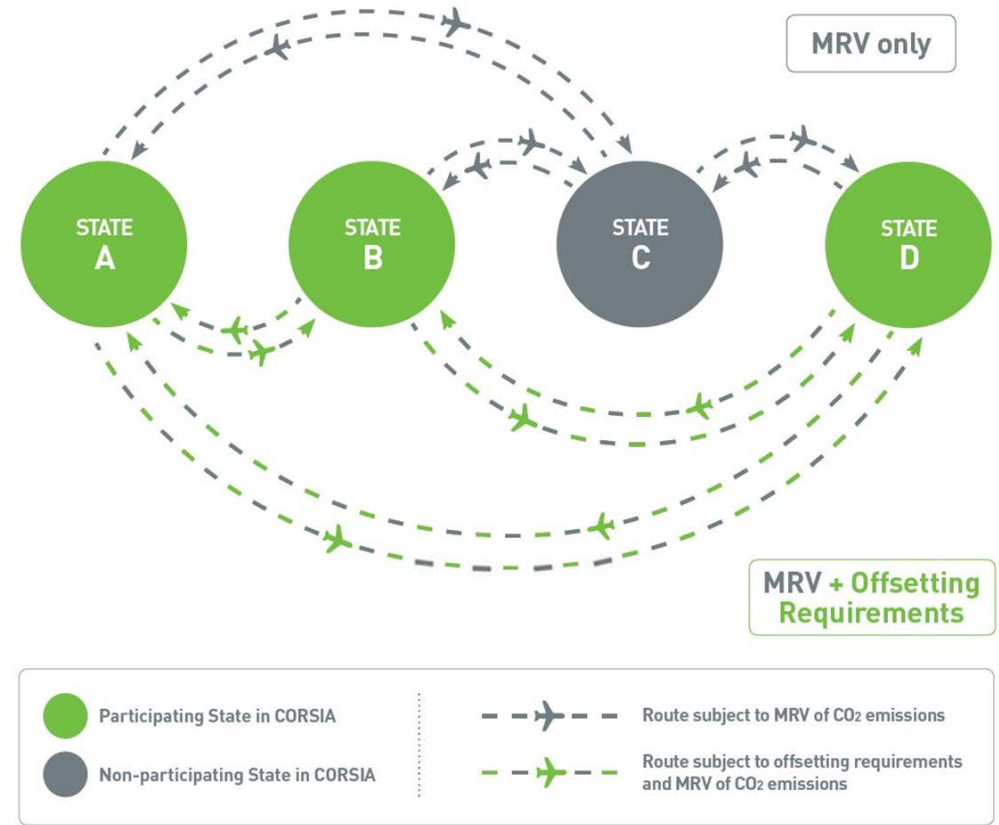
<https://www.youtube.com/watch?v=D0tAy0apYII>

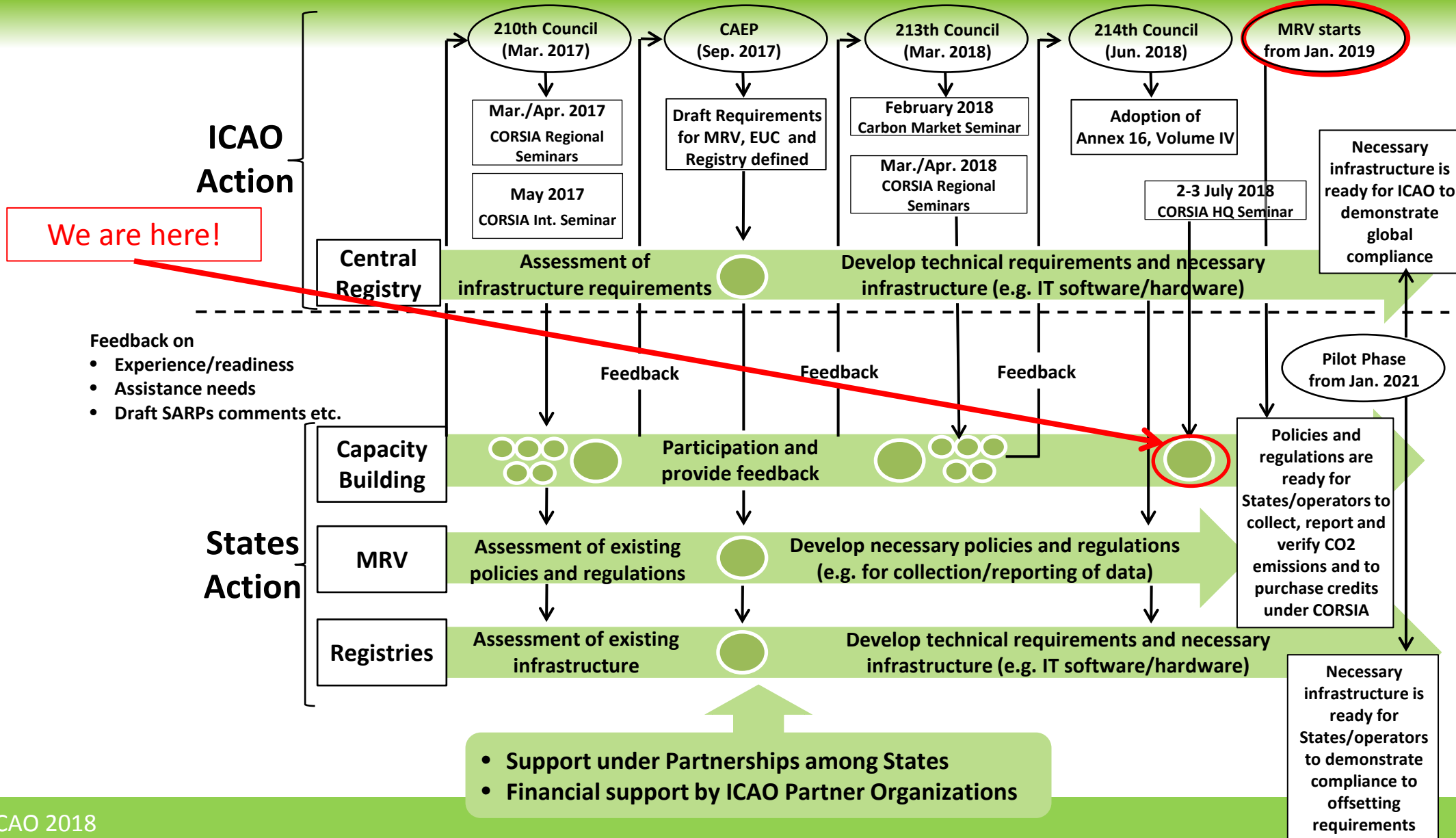


- **Monitoring, Reporting and Verification (MRV) is the backbone for the successful implementation of CORSIA, which requires:**
  - Reliable information on CO<sub>2</sub> emissions, and on compliance with offsetting requirements

ALL ICAO MEMBER STATES with aeroplane operators conducting international flights are required to monitor, report and verify CO<sub>2</sub> emissions from these flights every year from 2019, independent of their participation in CORSIA.

ICAO MEMBER STATES PARTICIPATING IN CORSIA need to ensure that their aeroplane operators comply with the CORSIA offsetting requirements every three years (starting in 2021), in addition to annual CO<sub>2</sub> MRV.







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[www.icao.int/corsia](http://www.icao.int/corsia)

THANK YOU

