

2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



- 7-8 August 2024 for APAC
Bangkok, Thailand
- 12-13 August 2024 for MID
Cairo, Egypt
- 20-21 August 2024 for NACC/SAM
Asuncion, Paraguay
- 10-11 September 2024 for EUR-NAT
Samarkand, Uzbekistan
- 15-16 October 2024 for ESAF/WACAF
Dakar, Senegal



ACT»SAF

CORSIA

2050

2024 ICAO REGIONAL SEMINARS ON ENVIRONMENT

August - September 2024



2050 ACT SAF CORSIA

State Action Plan (SAP) on CO₂ Emissions Reduction Activities



MID Region activities on State Action Plans (SAP)

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August 12th , 2024



ICAO Middle East (MID) Region States

Bahrain

Egypt

Iran (Islamic Republic of)

Iraq

Jordan

Kuwait

Lebanon

Libya

Oman

Qatar

Saudi Arabia

Sudan

Syrian Arab Republic

United Arab Emirates

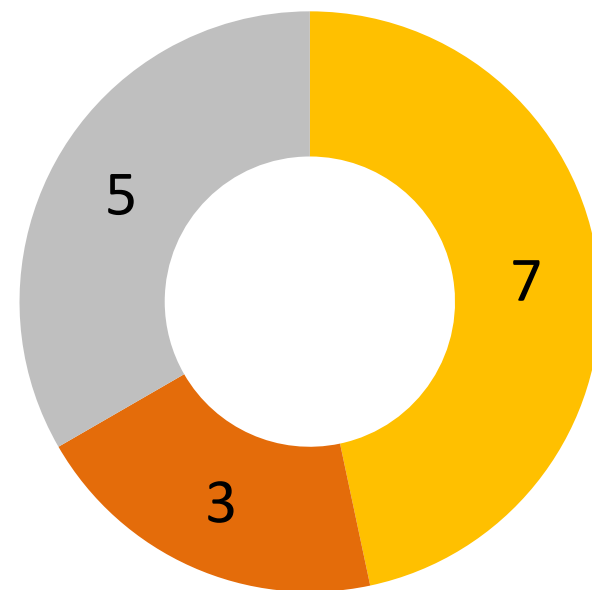
Yemen

Total: **15 States**



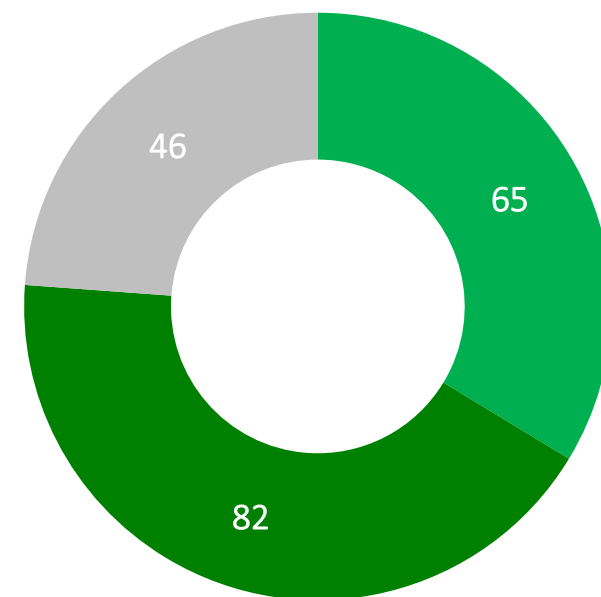
State Action Plans (SAP) in numbers

MID SAP Submissions / Updates



- States Submitted Once
- States Updated
- States left to submit

Global SAP Submissions / Updates



- States Submitted Once
- States Updated
- States left to submit

147 States (98.99% of global RTK) have voluntarily submitted State Action Plans

Need for SAP updates in light of LTAG and Global Framework



Doc 9988 guidance updates and workshops



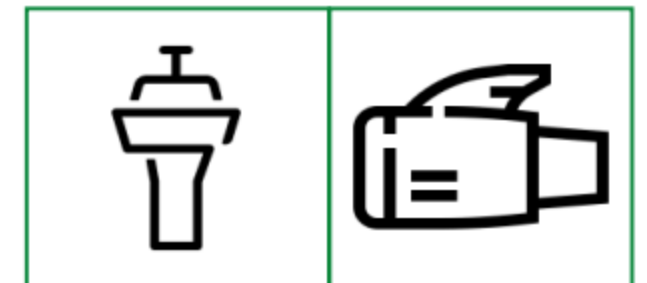
■ States that have submitted a State Action Plan (SAP)

**The boundaries shown on this map do not imply official endorsement or acceptance by ICAO.*

Examples of Mitigation Measures selected in the MID Region

Various measures have been taken by MID States (air carriers, airport authorities and air navigation service providers) to reduce CO2 emissions from civil aviation. The measures are classified according to following categories

- ✓ **AIRCRAFT TECHNOLOGY** – Fleet renewal for the older aircraft, Retrofitting and upgrade improvements on existing aircraft , Engine modernization – fuel-efficient engines, Avionics Upgrade to meet current navigational requirements.
- ✓ **OPERATIONAL IMPROVEMENTS** – Modernization of CNS/ATM infrastructure, RVSM, PBN and CCO/CDO Implementation, Improvements in the ATS Route Network, FRA , FUA, Airport collaborative decision-making (A-CDM) implementation and DFLOW, best practices in operations (e.g. aircraft weight reduction, minimizing flaps (take-off and landing), minimizing the use of reversers, single-engine taxi, reduction on APU usage, etc.)



Examples of Mitigation Measures selected in the MID Region

✓ SUSTAINABLE AVIATION FUELS (SAF) AND CLEANER ENERGY –

- Development and use of aviation fuels (feasibility study)
- Development of policies/standards for SAF use.



✓ MARKET-BASED MEASURES –

- Voluntary participation in the offsetting requirements of CORSIA (47%)
- Development of national regulation to support CORSIA implementation



Next steps for SAP

- ✓ Nomination of State Action Plan Focal Point.
- ✓ Prepare the initial/updated SAP for submission. Make sure the action plans will be practical and concrete in line with the updated SAP Guidance.
- ✓ Include innovative measures in the SAP.
- ✓ Communicate with MID RO for questions and support.

Contact points:

- Answering questions and providing support: actionplan@icao.int
- MID Regional Office:
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Thank You

