



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

RECONNECTING **THE** WORLD

Sustainability : timely actions and cooperation to achieve the LTAG

EUR/NAT-DGCA/2023 Meeting

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Long term global aspirational goal (LTAG) for international aviation ³

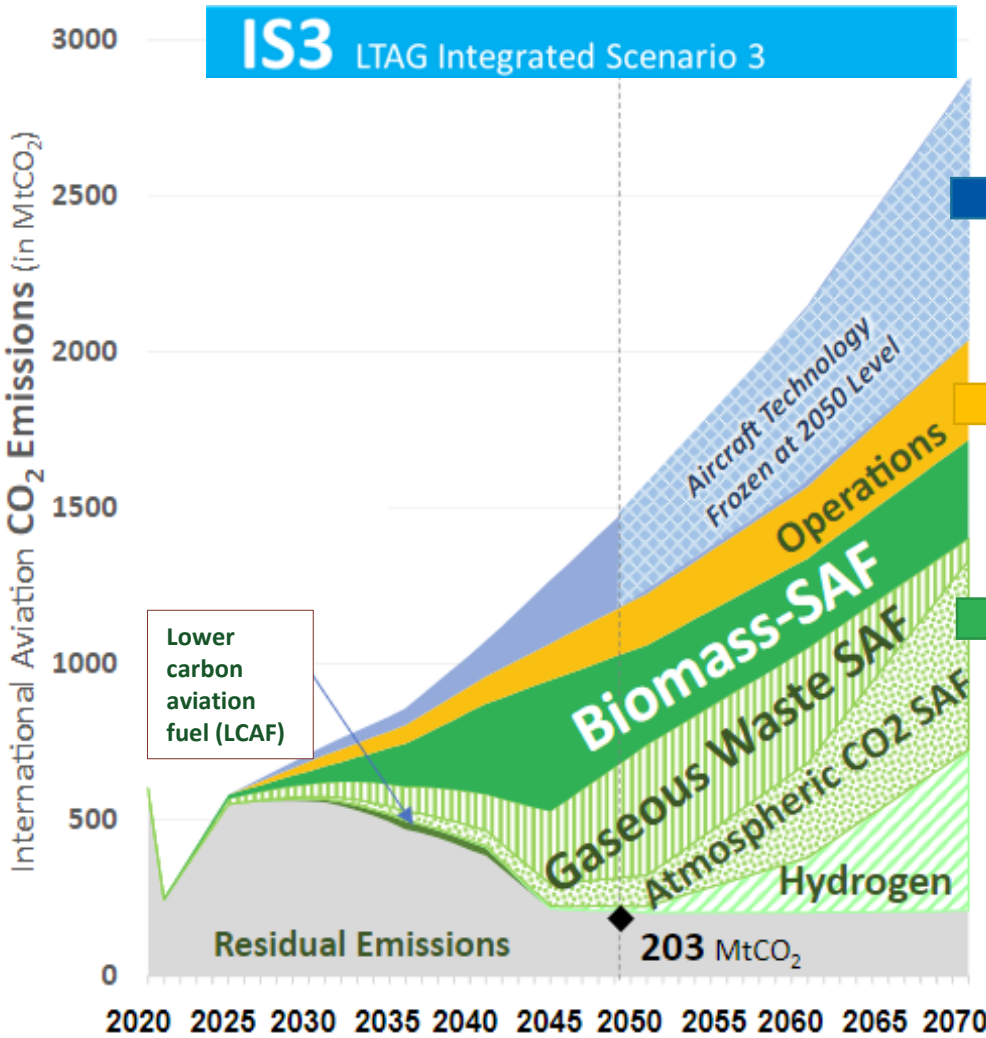


The Assembly agreed to a collective long-term global aspirational goal (LTAG) of net-zero carbon emissions from international aviation by 2050

- In support of Paris Agreement's temperature goal
- Collective global aspirational goal, and does not attribute specific obligations or commitments in the form of emissions reduction goals to individual States

- [The adopted Resolution A41-21 is available here](#)
- [Long term global aspirational goal \(LTAG\) for international aviation \(icao.int\)](https://www.icao.int)

LTAG Report – Contributions from technology, operations, and fuels



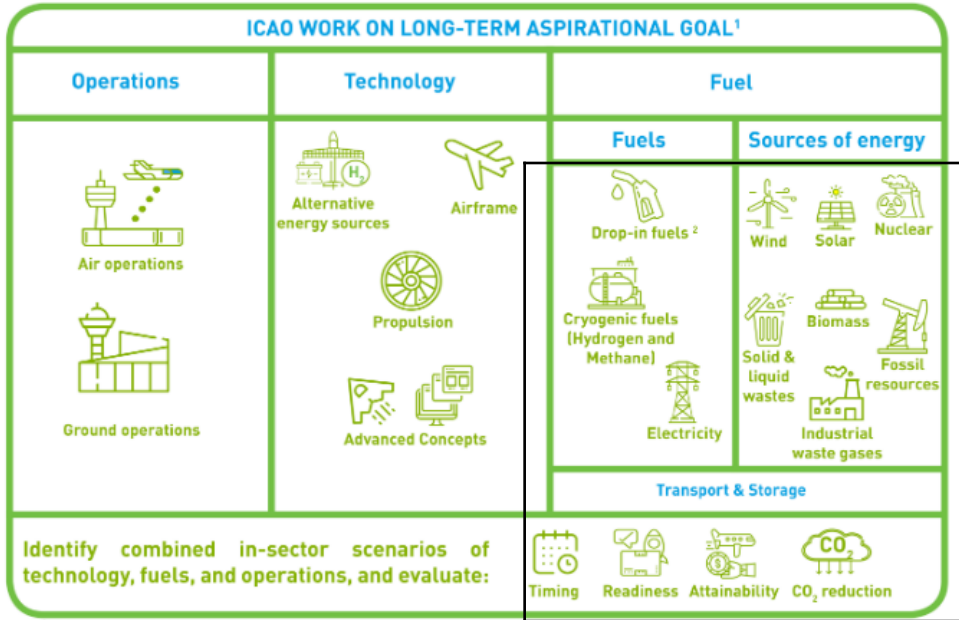
Advanced tube and wing, unconventional airframe/propulsion concept aircraft, non-drop-in fuels such as battery electric etc.

Improvements in the performance of flights across all phases

Sustainable aviation fuels (SAF) and other cleaner energy have the largest impact on residual CO₂ emissions, driving overall reductions by 2050

Contributions from hydrogen may increase in the 2050s and 2060s if technically feasible and commercially viable

Sustainable aviation fuels (SAF) and ACT-SAF programme



Technical analysis done at ICAO shows that SAF and other cleaner energy have the largest impact on residual CO₂ emissions, driving overall reductions by 2050



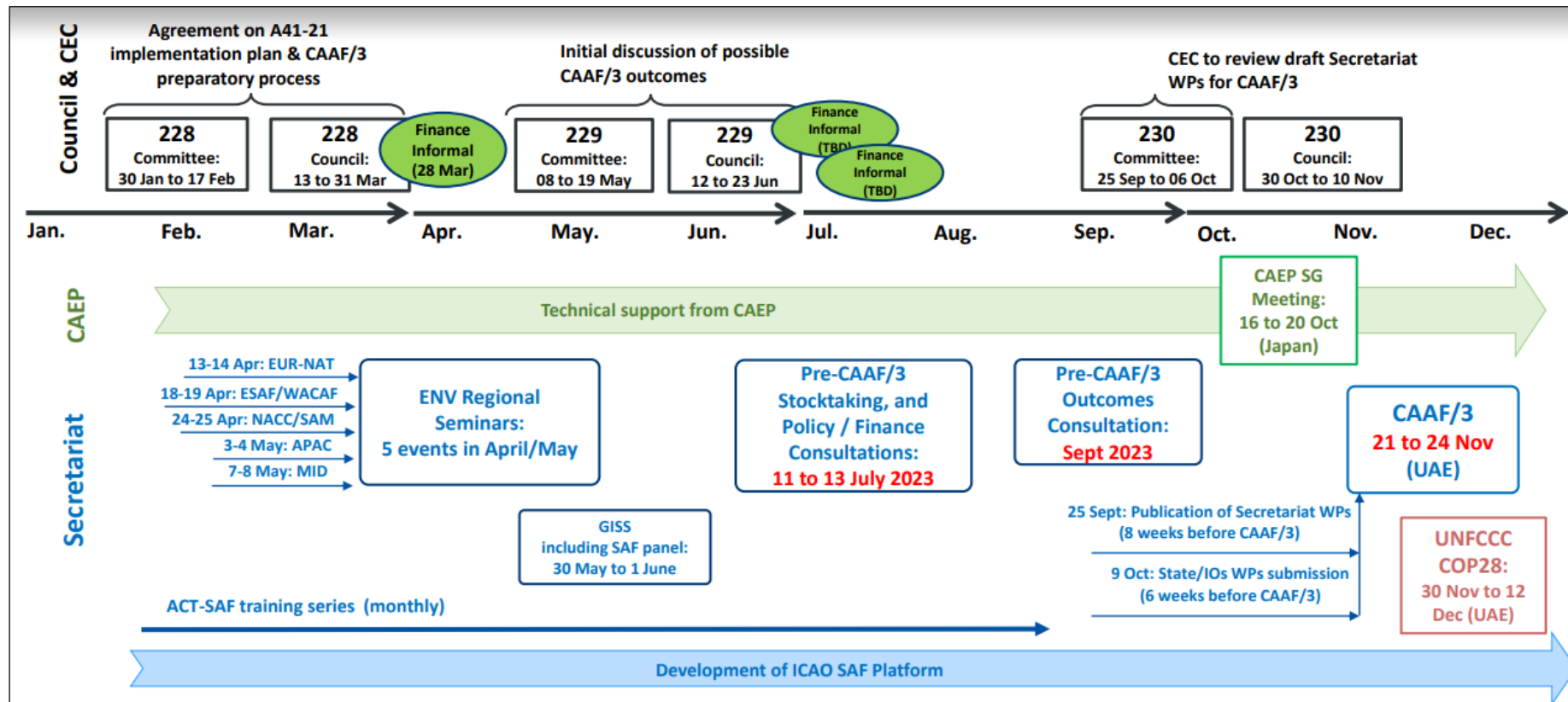
ACT-SAF is an ICAO initiative to facilitate the development and deployment of SAF :

- Tailored support for States
- Facilitate cooperation under ICAO coordination
- Dedicated platform to facilitate knowledge sharing and progress monitoring

Invite ICAO EUR/NAT States to consider joining the ICAO ACT-SAF Programme by agreeing to the ACT-SAF Terms and Conditions

ICAO Conference on Aviation and Alternative Fuels (CAAF)/3

The Assembly requested the convening of the **CAAF/3** in **2023** for reviewing the **2050 ICAO Vision** for SAF, including LCAF and other cleaner energy sources for aviation, in order to define a global framework in line with the No Country Left Behind (NCLB) initiative and taking into account national circumstances and capabilities



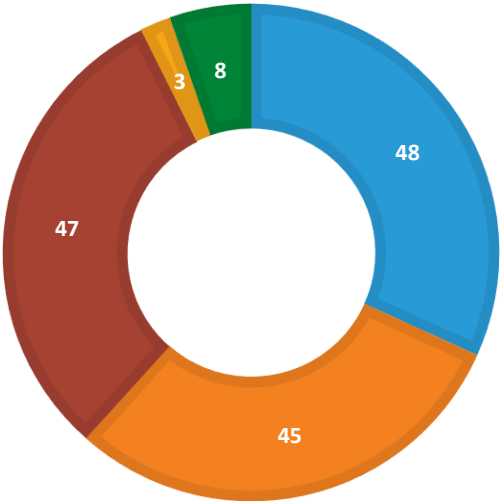
State Action Plans (SAP) initiative



The Assembly reiterated the important role of State Action Plans, encouraging all States to submit and update action plans to reduce CO2 emissions from international aviation, outlining policies, actions and roadmaps, including long-term projections, and requested the Council to provide guidance and assistance

EUR/NAT SAPS

- Total States submitted
- States re-submitted
- Quantified Submissions
- States submitted once
- States left to submit



State Action Plans (SAP) initiative



- Enables accountability
- Provides a roadmap for achieving the LTAG
- Facilitates international cooperation among ICAO Member States
- Encourages innovation in technology, operations and sustainable aviation fuels
- Facilitates financing and attracts investments for emissions reduction projects

Invite ICAO EUR/NAT States

- to develop a State Action Plan and submit it to ICAO
- to update their SAP prior to end of June 2024 as per Assembly Resolution
- To include long-term aviation emissions commitments and ambitious low-carbon strategies and roadmaps

Carbon Offsetting and Reduction Scheme for International Aviation (CORSAIA)

In the EUR/NAT Region

46 Volunteer States to participate in CORSIA	50 States reported 2021 CO2 Reports in CCR	14 States benefiting of ACT CORSIA	5 States supporting other States
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ACT-CORSIA: coordinated approach to harmonize and bring together all relevant actions and promote coherence to capacity building efforts for CORSIA implementation – also enabling the monitoring of global progress / transparency

Invite ICAO EUR/NAT States to Consider joining CORSIA before the 30 June 2023 for 2024 submit their verified CO2 emissions by 31 July 2023



ICAO Capacity Building Activities

The EUR/NAT Office carries out a number of capacity-building and assistance activities. These assistance activities are most often related to the ICAO State Action Plan Initiative, CORSIA and support the new programme related to Sustainable Aviation Fuels ACT-SAF

Environmental Protection Meetings and Events

ACT CORSIA – France and Canada ACT CORSIA – EUR States	Jan. 2023 Feb. 2023
ENV Task Force – initiatives to address CO2 aviation emissions	March 2023
ICAO Regional Events on SAF	April 2023
ACT CORSIA – EUR States ACT CORSIA – France and Canada	June 2023
ENV Task Force – Green Airports	Oct. 2023
Assistance Missions to other States on SAP, ENV Tools, SAF Roadmap and CORSIA	Upon request
Env meetings in other Regions	Jan. April. Jun. Aug. Sept. Oct. 2023
Outreach activities – Regional Director	



Draft EUR/NAT-DGCA Conclusion 2023/1 – Further enhancing engagement, information-sharing, coordination and cooperation to achieve the LTAG

That the ICAO Regional Director, Europe and North Atlantic, take action to:

- a) remind EUR/NAT States that they shall verify and submit their reports on CO₂ emissions from international flights for the year 2022 to ICAO using the CORSIA Central Registry (CCR) before end of July 2023;
- b) further encourage EUR/NAT States to:
 - i) develop or update their quantified States' Action Plans on CO₂ Emissions Reduction Activities in accordance with the provisions in the Guidance on the Development of States' Action Plans on CO₂ Emissions Reduction Activities (ICAO Doc 9988) including cleaner energies, green technologies and innovations mitigation measures as well as long-term emission reduction initiatives and submit the Plan to ICAO before June 2024;
 - ii) use the ICAO environmental tools to estimate the emissions reductions from the implementation of the mitigation measures as part of the development of States' action plans;
 - iii) join CORSIA in the first phase and notify ICAO accordingly (by 30 June 2023 for voluntary participation from 1 January 2024);

Draft EUR/NAT-DGCA Conclusion 2023/1 – Further enhancing engagement, information-sharing, coordination and cooperation to achieve the LTAG

- iv) join (as donor States or beneficiary States) the ICAO ACT-CORSIA Capacity-Building activities, including the CORSIA buddy partnerships;
 - v) join (as donor States or beneficiary States) the ICAO Assistance, Capacity-building and Training for Sustainable Aviation Fuels (ICAO ACT-SAF) programme by signing the Terms and Conditions available on the ICAO website;
 - vi) reach out to the ICAO EUR/NAT Regional Office for any support needed for the preparation and submission of States' action plans, and implementation of the related mitigation measures;
- c) invite Organizations active in the EUR/NAT area, including international and regional organizations, to:
- i) join the ICAO Assistance, Capacity-building and Training for Sustainable Aviation Fuels (ICAO ACT-SAF) programme by signing the related Terms and Conditions;
 - ii) continue to support information-sharing and coordination, in order to avoid duplication of efforts and help ensure consistency; and
 - iii) continue to explore synergies to enhance effectiveness, timeliness and efficiency in activities in support of the LTAG.



Thank You