

# ICAO Environmental Publications

## ICAO Annexes

- Annex 16 to the Convention on International Civil Aviation – Environmental Protection, Volume I – Aircraft Noise
- Annex 16 to the Convention on International Civil Aviation – Environmental Protection, Volume II – Aircraft Engine Emissions
- Annex 16 to the Convention on International Civil Aviation – Environmental Protection, Volume III – Aeroplane CO<sub>2</sub> Emissions
- Annex 16 to the Convention on International Civil Aviation – Environmental Protection, Volume IV – Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

## ICAO Environmental Technical Manual

- Environmental Technical Manual Volume I – Procedures for the Noise Certification of Aircraft (Doc 9501, Vol I)
- Environmental Technical Manual Volume II – Procedures for the Emissions Certification of Aircraft Engines (Doc 9501, Vol II)
- Environmental Technical Manual, Volume III – Procedures for the CO<sub>2</sub> Emissions Certification of Aeroplanes (Doc 9501, Vol III)
- Environmental Technical Manual, Volume IV – Procedures for demonstrating compliance with the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) (Doc 9501, Vol IV)

## ICAO CORSIA Implementation Documents

- CORSIA Eligible Emissions Units (7th edition, 2022)
- CORSIA States for Chapter 3 State Pairs (2nd edition, 2021)
- ICAO CORSIA CO<sub>2</sub> Estimation and Reporting Tool (2021 version)
- CORSIA Sustainability Criteria for CORSIA Eligible Fuels (2nd edition, 2021)
- CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels (3rd edition, 2021)
- CORSIA Methodology for Calculating Actual Life Cycle Emissions Values (2nd edition, 2021)
- CORSIA Central Registry (CCR): Information and Data for the Implementation of CORSIA<sup>1</sup>
  - CORSIA Aeroplane Operator to State Attributions (6th edition, 2021)
  - CORSIA 2020 Emissions (1st edition, 2021)
- CORSIA Central Registry (CCR): Information and Data for Transparency:
  - Part I: Verification bodies accredited in States (9th edition, 2021)
  - Part II: Total Average CO<sub>2</sub> Emissions (in tonnes) for 2019 and 2020 Aggregated for all Aeroplane Operators on each State Pair (1st edition, 2021)
- CORSIA Approved Sustainability Certification Schemes (1st edition, 2020)
- CORSIA Eligibility Framework and Requirements for Sustainability Certification Schemes (1st edition, 2019)
- CORSIA Emissions Unit Eligibility Criteria (1st edition, 2019)

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<sup>1</sup> Umbrella document containing the following two documents

## ICAO Guidance Documents and Manuals

- CORSIA Central Registry User Manual (2nd edition – 2022)
- Operational Opportunities to Reduce Aircraft Noise (to be published in 2022)
- ICAO Airport Economics Manual (Doc 9562- 4th edition, 2020)
- Procedures for Air Navigation Services - Volume II – Construction of Visual and Instrument Flight Procedures (Doc 8168 - Seventh Edition, 2020)
- Guidance on the Development of States' Action Plans on CO<sub>2</sub> Emissions Reduction Activities (Doc 9988 – 3rd edition, 2019)
- Procedures for Air Navigation Services – Volume I – Flight Procedures (Doc 8168 - Sixth Edition, 2018)
- Procedures for Air Navigation Services -Volume III – Aircraft Operating Procedures (Doc 8168 - First Edition, 2018)
- Airport Planning Manual, Part 2 - Land Use and Environmental Management (Doc 9184 - 4th Edition, 2018)
- Recommended Method for Computing Noise Contours around Airports (Doc 9911- 2nd edition, 2018)
- Transforming Global Aviation Collection: Sustainable Aviation Fuels Guide, Version 2 (2018)
- Transforming Global Aviation Collection: Renewable Energy for Aviation (2017)
- Transforming Global Aviation Collection: Financing Aviation Emissions Reductions (2017)
- Transforming Global Aviation Collection: Regulatory and Organizational Framework to Address Aviation Emissions (2017)
- Global Air Navigation Plan for CNS/ATM Systems (Doc 9750 – 5th edition, 2016)
- Tariffs for Airports and Air Navigation Services (Doc 7100, 2016)
- Operational Opportunities to Reduce Fuel Use and Reduce Emissions (Doc 10013 - 1st Edition, 2014)
- Guidance on the Balanced Approach to Aircraft Noise Management ( Doc9829 - 3rd Edition, 2014)
- Guidance on Environmental Assessment of Proposed Air Traffic Management Operational Changes (Doc 10031, 1st edition, 2014)
- ICAO's Policies on Charges for Airports and Air Navigation Services (Doc 9082 – 9th edition, 2012)
- Airport Air Quality Manual (Doc 9889 – 1st edition, 2011)
- Continuous Descent Operations (CDO) Manual (Doc 9931 – 1st edition, 2010)
- Guidance on the Use of Emissions Trading for Aviation (Doc 9885 – 1st edition, 2008)
- Guidance on Aircraft Emission Charges Related to Local Air Quality (Doc 9884 – 1st edition, 2007)

## Reports

- Overview of 2021 ICAO Seminar on Green Airports - Innovation and Technology at Sustainable Airports (to be published in 2022)
- Report on the feasibility of a long-term global aspirational goal for international civil aviation CO<sub>2</sub> emissions reductions (LTAG) (2022)
- Status Report on Noise Technology Research for Fixed Wing Aircraft (2022)
- Assessment Report on impacts of aviation NO<sub>x</sub> emissions on air quality, human health and climate (2022)
- Assessment Report on fuel composition effects on nvPM emissions (2022)
- Assessment Report on the potential environmental impacts from supersonic aircraft (2022)
- White Paper on non-acoustic factors in community annoyance (2022)
- Final Report of the Independent Expert Integrated Technology Goals Assessment and Review for Engines and Aircraft (Doc 10127 – 2019)
- Promoting Synergy Between Cities and Airports for Sustainable Development (2018)
- Report by the Second CAEP Noise Technology Independent Expert Panel (Doc 10017 – 2014)
- Final Report of the Independent Expert Operational Goals Group (IEOGG) (Doc 10021, 2014)
- Report on Environmental Management System (EMS) Practices in the Aviation Sector (Doc 9968 – 1st edition, 2012)

- Report of the High-level Meeting on International Aviation and Climate Change (Doc 9929, 2010)
- Report to CAEP by the CAEP Noise Technology Independent Expert Panel. Aircraft Noise Technology Review and Medium and Long Term Noise Reductions Goals (Doc 9943, 2010)
- Report on Voluntary Emissions Trading for Aviation (VETS Report) (Doc 9950, 2010)
- Report of the Independent Experts to CAEP/8 on the Second NO<sub>x</sub> Review and the Establishment of Medium and Long Term Technology Goals for NO<sub>x</sub> (Doc 9953, 2010)
- Report of the Independent Experts on the Medium and Long Term Goals for Aviation Fuel Burn Reduction from Technology (Doc 9963, 2010)
- Independent Experts NO<sub>x</sub> Review and the Establishment of Medium and Long Term Technology Goals for NO<sub>x</sub> (Doc 9887, 2008)

## CAEP Reports

- Report of the Committee on Aviation Environmental Protection, Twelfth Meeting Montréal, 7 – 17 February 2022 (Doc 10176, CAEP/12)
- Report of the Committee on Aviation Environmental Protection, Eleventh Meeting Montréal, 1 – 12 February 2016 (Doc 10126, CAEP/11)
- Report of the Committee on Aviation Environmental Protection, Tenth Meeting Montréal, 1 – 12 February 2016 (Doc 10069, CAEP/10)
- Report of the Committee on Aviation Environmental Protection, Ninth Meeting Montréal, 4 – 15 February 2013 (Doc 10012, CAEP/9)
- Report of the Committee on Aviation Environmental Protection, Eighth Meeting Montréal, 1 – 12 February 2010 (Doc 9938, CAEP/8)
- Report of the Committee on Aviation Environmental Protection, Seventh Meeting Montréal, 5 – 16 February 2007 (Doc 9886, CAEP/7)
- Report of the Committee on Aviation Environmental Protection, Sixth Meeting Montréal, 2 – 12 February 2004 (Doc 9836, CAEP/6)
- Report of the Committee on Aviation Environmental Protection, Fifth Meeting Montréal, 8-17 January 2001

## ICAO Environmental Reports

- ICAO Environmental Report, 2019
- ICAO Environmental Report, 2016
- ICAO Environmental Report, 2013
- ICAO Environmental Report, 2010
- ICAO Environmental Report, 2007

## Studies

- Scoping Study on the Application of Emissions Trading and Offsets for Local Air Quality in Aviation, First edition, 2011 (Doc 9948 – 1st edition, 2011)
- Scoping Study of Issues Related to Linking “Open” Emissions Trading Systems Involving International Aviation, 2011 (Doc 9949 – 1st edition, 2011)
- Offsetting Emissions from the Aviation Sector (Doc 9951 – 1st edition, 2011)
- Noise Abatement Procedures: Review of Research, Development and Implementation Projects - Discussion of Survey Results (Doc 9888 – 1st edition, 2010)

## Feasibility Studies

- Feasibility Study on the use of Solar Energy at Piarco International Airport – Trinidad and Tobago (2018)
- Feasibility Study on the use of Sustainable Aviation Fuels – Burkina Faso (2018)
- Feasibility Study on the use of Sustainable Aviation Fuels – Kenya (2018)
- Feasibility Study on the use of Sustainable Aviation Fuels – Dominican Republic (2017)
- Feasibility Study on the use of Sustainable Aviation Fuels – Trinidad and Tobago (2017)

## ICAO Circulars

- Community Engagement for Aviation Environmental Management (Cir 351, 2017)
- Effects of PANS-OPS Noise Abatement Departure Procedures on Noise and Gaseous Emissions (Cir 317, 2008)

## ICAO E-Publications

- Guidance on Potential Policies and Coordinated Approaches for the Deployment of Sustainable Aviation Fuels (to be published in 2022)
- Report on Environmental Metrics of Relevance to the Global Aviation System (to be published in 2022)
- Report on Climate Change Risk Assessment, Adaptation and Resilience (to be published in 2022)
- Report on the Investigation on Possible Indicators for Encroachment (to be published in 2022)
- [Aviation Green Transition Chartering a path to sustainable flying future](#) (2021)
- [Innovation Driving Sustainable Aviation](#) (2021)
- [Eco-Airport e-collection: Waste Management at Airports](#)
- [Eco-Airport e-collection: An Environmental Management System for Airports](#)
- [Eco-Airport e-collection: A Focus on the production of renewable energy at the Airport site](#)
- [Eco-Airport e-collection: Eco-Design of Airport Buildings](#)
- [Eco-Airport e-collection: Sustainable Considerations for Airport Surface Access](#)
- [Eco-Airport e-collection: Climate Resilience](#)
- [Eco-Airport e-collection: Water Management](#)
- [Eco-Airport e-collection: Air Quality Management](#)
- [Environmental Community Engagement for Performance-Based Navigation](#)
- [Climate Adaptation Synthesis](#)
- [Monthly CORSIA Newsletter](#)

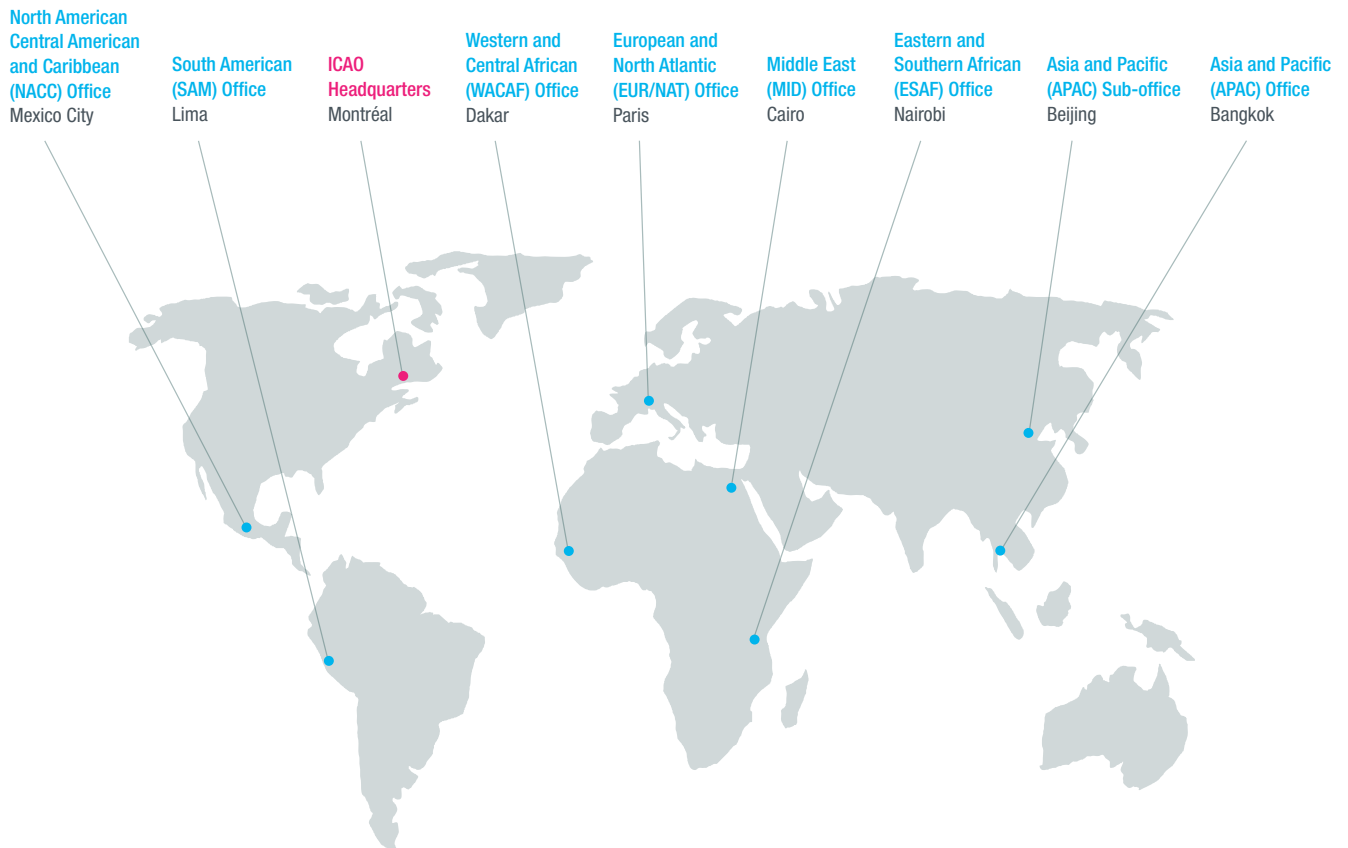


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