

CORSIA Verification (Carbon Offsetting and Reduction Scheme for International Aviation)



Overview

CORSIA stands for “Carbon Offsetting and Reduction Scheme for International Aviation”. It is a market-based mechanism being developed by International Civil Aviation Organization (ICAO).

CORSIA is a UN deal designed to help the aviation industry reach its “aspirational goal” to make all growth in international flights after 2020 “carbon neutral”.

Domestic aviation emissions are already covered by the Paris Agreement in national pledges. But international flights, which account for around 65% of the aviation industry’s CO₂ emissions, are instead covered by UN’s ICAO.

Benefits from CORSIA verification

Countries with airlines which undertake international flights have been asked to begin monitoring emissions from 1 January 2019, according to rules agreed in June 2018. Companies operating in all 192 ICAO member countries are required to monitor these emissions, even if they are not participating in the voluntary stages of CORSIA.

At the end of each three-year phase, participating air- lines will be required to buy offsets for emissions growth above 2020 levels for each of the previous three years. In the early years of CORSIA, the number of offsets each airline would need to buy will depend

on the entire global industry’s emissions growth since 2020, rather than any change in that individual company’s CO₂ output.

The requirement to offset emissions is divided among airlines in proportion to the total CO₂ emissions of that company, instead of their growth from 2020. This is referred to as the “sectorial” component of CORSIA.

An Aeroplane operator shall monitor and record its fuel use from international flights in accordance with an eligible monitoring method approved by the State to which it is attributed, and shall use the same eligible monitoring method for the entire compliance period.

An Aeroplane operator can choose from five different eligible methods for fuel use monitoring. The methods are equivalent and there is no hierarchy for selecting a method.

CORSIA Implementation Elements

- CORSIA States for Chapter 3 State Pairs
- ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)
- CORSIA Eligible Fuels
- CORSIA Eligible Emissions Units
- CORSIA Central Registry (CCR)

CORSIA Verification:

- Pre-contact stage
- Strategic analysis

- Risk analysis
- Verification plan
- On-site visit
- Data verification, analysis and reporting
- Verification of the correct application of the monitoring methodology as per approved EMP
- Conclusion on the verification findings
- Verification Report
- Independent review or Technical Review
- Authorization to forward Emissions Report
- Submission of Verification Report and Emissions Report

Why choose "TUV India

TUV India is well established and reliable partner for Inspection, Certification, Validation and Verification of Climate Change services. In addition to the above, our credentials include –

- Recognized accredited greenhouse gas validation and verification body (ISO 14065 and ISO 17029 Accredited by NABCB)
- Approved by DGCA as third party verification body for CORSIA scheme
- Wide pool of highly qualified and experienced assessors across India
- Comprehensive and diverse range of value-added services
- Key account management
- One-stop solution for your sustainability requirements

Applicable Standards/ References

- International standard ISO 14064 -3: 2006
- Environmental Protection, Volume IV - CORSIA
- Environmental Technical Manual (Doc 9501), Volume IV, - procedures for demonstrating compliance with the CORSIA
- DGCA - Civil Aviation Requirements, Section-10 Aviation Environment Protection Series 'C' Part I

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