

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



## What is 'CORSIA'?

- 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).

## What is the aim of “CORSIA”?

- 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 CO<sub>2</sub> emissions, are instead covered by UN’s ICAO.

## Why are airlines required to monitor their emissions?

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.

## CORSIA Implementation Elements

- CORSIA States for Chapter 3 State Pairs
- ICAO CORSIA CO<sub>2</sub> Estimation and Reporting Tool (CERT)
- CORSIA Eligible Fuels
- CORSIA Eligible Emissions Units
- CORSIA Central Registry (CCR)

## How will offsetting requirements work?

At the end of each three-year phase, participating airlines 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 will need to buy will depend on the entire global industry’s emissions growth since 2020, rather than any change in that individual company’s CO<sub>2</sub> output.

The requirement to offset emissions will be divided among airlines in proportion to the total CO<sub>2</sub> emissions of that company, instead of their growth from 2020. This is referred to as the “sectorial” component of CORSIA.



Sr.No	Activity
1	Pre-contract stage
2	Strategic analysis
3	Risk analysis
4	Verification plan
5	On-site visit
6	Data verification, analysis and reporting
7	Verification of the correct application of the monitoring methodology as per approved EMP
8	Addressing misstatements and non-conformities
9	Conclusion on the verification findings
10	Verification Report
11	Independent review or Technical Review
12	Authorization to forward Emissions Report
13	Submission of Verification Report and Emissions Report

## How does an Aeroplane Operator Monitor CO<sub>2</sub> Emissions?

- 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; there is no hierarchy for selecting a method.

## 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



## CORSIA Verification

### Why “TUV India Private Limited”?

- Recognized accredited greenhouse gas validation and verification body (ISO 14065 Accredited by NABCB).
- Empaneled with DGCA as third party verification body for CORSIA scheme.
- Competent for greenhouse gas verification teams
- Unique record of completing all projects well within time frame.
- Expertise on guidance for the validation and verification of greenhouse gas assertions.

### About TUV India Private Limited

TUVI is an independent, neutral, third-party providing CORSIA Verification, with qualified CORSIA verifier and Aviation Expert. TUVI states its independence and impartiality with regard to CORSIA verification engagement. TUVI maintains complete impartiality toward any people interviewed during the verification engagement. The TUV Team as a whole have necessary technical, methodology, Socio-cultural and other necessary competences in order to perform the verification.



### Registered & Head Office Contact :

TUV India Private Limited

**Address:** 801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086

**Phone:** +9122-66477000 **Email:** energy@tuv-nord.com

**Toll Free Number:** 1800-209-90902 **Website:** www.tuv-nord.com/in

TÜV®

