

ISCC CORSIA – Sustainable Aviation Fuel Verification: Independent Verification & Certification for Global CORSIA Compliance



Overview:

The aviation sector is undergoing a global shift toward decarbonization. International Civil Aviation Organization (ICAO) has introduced CORSIA – Carbon Offsetting and Reduction Scheme for International Aviation, requiring airlines to reduce lifecycle GHG emissions by sourcing Sustainable Aviation Fuels (SAF). International Sustainability & Carbon Certification (ISCC) CORSIA is a leading internationally accepted sustainability certification system supporting CORSIA initiative and ensuring traceability, sustainability, and transparency across the entire SAF supply chain.

Why ISCC CORSIA?

- Mandatory requirement for international airlines under ICAO CORSIA
- Recognized by governments, regulators and fuel markets
- Ensures SAF is produced sustainably and meets lifecycle GHG reduction thresholds
- Builds trust in environmental claims through independent verification
- Enables market access and improved corporate ESG positioning

Scope of Work:

Our ISCC CORSIA Verification includes:

- Sustainability characteristics and feedstock conformity
- Chain of Custody and Mass Balance system audits
- Data and documentation review across supply chain actors
- GHG emission calculation reviews – default and actual values
- Pre-verification assessments and readiness checks
- Final verification report + verification statement issuance

Methodology:

- Enquiry and Scope Definition
- Proposal and Contracting
- Application Review and Documentation Gap Analysis
- Field Visit / Remote Audit
- Sampling based verification aligned with ISCC CORSIA methodology, ISO 19011 principles and ICAO CORSIA Standards and Recommended Practices (SARP) requirements.
- Technical Review
- Independent Certification Decision
- Verification Statement and ISCC CORSIA Document Release



Deliverables:

- ISCC CORSIA Verification Statement
- Final Audit Report (as per ISCC CORSIA Specifications)
- GHG Sampling Calculator & Review Notes
- Gap Assessment Report (Pre-audit – optional)

Why TUV India?

- Globally recognized third-party assurance and certification brand
- Proven expertise in sustainability, GHG verification and energy schemes
- End-to-end support: readiness → verification → issuance
- Competent, qualified ISCC CORSIA Lead Auditors and Technical Reviewers
- Transparent pricing, structured audits and fast-track service options

About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

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Over 1500 competent and experienced TUV India experts spread across India and over 14000 TUV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

