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ClassNK

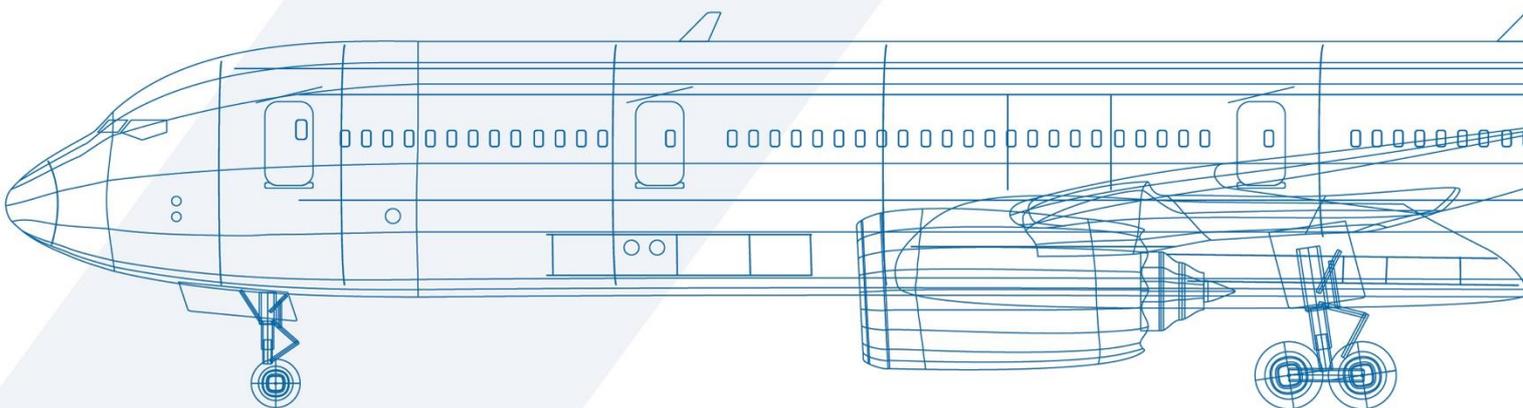
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ClassNK SCS

**Requirements
for Economic
Operators**

**Certification for
CORSA Eligible Fuels**

April 2024



Revision History

No.	Issue date	Details of revision
0	2024.04.01	Newly issued

In case the requirements in ICAO-CORSIA documents are updated, and the ClassNK SCS manual has not been revised to reflect such updates yet, the updated requirements shall be applied during verification irrespective of the state of revision of the ClassNK SCS manual.

Requirements for Economic Operator

Foreword

This document is prepared for Annex 16 — Environmental Protection, Volume IV — Carbon Offsetting and Reduction Scheme for International Aviation (CORSA).

This document is to be material approved by the ICAO Council.

The ICAO document is available on the ICAO CORSA website and may only be amended by the Council.

Introduction

This document lays down the requirements for the economic operators (hereinafter referred to as “EO”).

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1. Scope

The requirements specified in this document apply to all EO under the scheme of ClassNK SCS according to the requirements of ICAO CORSIA.

2. CORSIA Documents

- Eligibility Framework and Requirements for Sustainability Certification Schemes, March 2024
- CORSIA Sustainability Criteria for CORSIA Eligible Fuels, November 2022
- CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels, March 2024
- CORSIA Methodology for Calculating Actual Life Cycle Emissions Values, March 2024
- CORSIA SUPPORTING DOCUMENT CORSIA Eligible Fuels – Life Cycle Assessment Methodology, Version 5-June 2022
- Guidance to Sustainability Certification Schemes (SCS) for application of CORSIA Sustainability Criteria, Themes 4 to 8, for CORSIA Sustainable Aviation Fuel produced on or after 1 January 2024.

If there have been revisions to the quoted ICAO document or later, the latest edition should be applied.

3. Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 17000 and the following apply.

Accreditation. A third-party attestation related to a certification body conveying formal demonstration of its competence to carry out specific conformity assessment tasks (adapted from ISO 17011).

Accreditation bodies. Authoritative bodies that perform accreditation (ISO 17011).
Assurance system. A system of accreditation, certification, auditing processes and procedures maintained by a Sustainability Certification Scheme.

Auditors. Auditors plan, conduct and complete audits on behalf of the certification body. Responsibilities include designing risk-based audit and evidence-gathering plans, designing sampling procedures, evaluating the adequacy and sufficiency of evidence of compliance, identifying nonconformities, issuing a recommendation for or against certification and preparing an audit report.

Audits. Systematic, independent and documented processes for obtaining audit evidence and evaluating it objectively to determine the extent to which the audit criteria are fulfilled (adapted from ISO 19011:2011).

Certification bodies (CB). Third-party conformity assessment bodies (ISO 17065:2012) making certification decisions and issuing certificates.

EO. EO include feedstock producers, processing facilities, and traders.

Stakeholder. Individual or group that has an interest in any decision or activity of an organization (adapted from ISO 26000).

Sustainability Certification Schemes (SCS). Organizations that certify EO against the sustainability criteria, and ensure that EO calculate actual life cycle emissions values (if default values are not applied) using the agreed methodology. SCS define sustainability certification requirements, set requirements for certification bodies, auditors and accreditation bodies, and monitor effectiveness of the assurance system.

4. General requirements

4.1 Documentation management

EO should:

- i) have an auditable documentation management system for the evidence related to the claims they make or rely on for certification;
- ii) keep records for a minimum of 5 years; and
- iii) accept responsibility for preparing any information related to the auditing of such evidence.

4.2 Transparency on other SCS participation by EO

EO should declare the names of SCS under which they are and/or were certified and make available to the auditors all information relevant to those certifications.

4.3 CORSIA certification requirements

EO should demonstrate and document that it satisfies all CORSIA requirements specific to the EO stated herein, including the following which form the basis for audit objectives:

- a) The fuel under review satisfies the CORSIA sustainability criteria specified ICAO document "CORSIA Sustainability Criteria for CORSIA Eligible Fuels";
- b) (where applicable) The EO applies the relevant GHG life cycle assessment (LCA) default value based on the associated feedstock, conversion process (pathway), ILUC region if applicable, and pathway specifications as specified in the ICAO document "CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels";
- c) (where applicable) The system of the EO to calculate GHG emissions for an actual LCA value ensures that:
 - i. The CORSIA LCA methodology specified in the ICAO document "CORSIA Methodology for Calculating Actual Life Cycle Emissions Values" is accurately followed to calculate its actual LCA value.
 - ii. The LCA value calculation is complete, accurate and transparent.
- d) (where applicable) The actual LCA value calculated by the EO is accurate and has been calculated in accordance with the CORSIA LCA methodology specified in the ICAO document "CORSIA Methodology for Calculating Actual Life Cycle Emissions Values" using the most recent data available.
- e) (where applicable) The emissions credits used to calculate the actual LCA value by the EO are accurate, have been calculated in accordance with the relevant CORSIA emissions credit methodology or methodologies, and satisfy all other requirements for emissions crediting, as specified in the ICAO document "CORSIA Methodology for

Calculating Actual Life Cycle Emissions Values", Section 6.

- f) In the case of waste or residue feedstocks, the material meets the definition for waste or residues specified by ICAO for CORSIA and can be traced back to the first gathering point ICAO document "CORSIA Methodology for Calculating Actual Life Cycle Emissions Values", Section 4.
- g) In the case of by-products, the material meets the definition for by-products specified by ICAO for CORSIA and can be traced back to the point of origin ICAO document "CORSIA Methodology for Calculating Actual Life Cycle Emissions Values", Section 4.
- h) In the case of low land use change risk feedstocks, the feedstocks and / or land use practices meet the criteria specified by ICAO for CORSIA ICAO document "CORSIA Methodology for Calculating Actual Life Cycle Emissions Values", Section 5

EO should follow "A005 APPENDIX 5 Life Cycle Emission Value".

5. Traceability requirements

5.1 Mass balance

EO should use a mass balance system that:

- a) Allows batches of sustainable materials with differing sustainability characteristics to be mixed.
Refer to "A003 APPENDIX 3 Mass balance system Section 4".
- b) Requires information about the sustainability characteristics and sizes of the physical quantity (batches) referred to in point (a) to remain assigned to the mixture.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".
- c) Provides for the sum of all consignments withdrawn from the mixture to be described as having the same sustainability characteristics, in the same quantities, as the sum of all consignments added to the mixture.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".
- d) Demonstrates that the product claims are linked correctly to the feedstock quantities claimed.
Refer to "A003 APPENDIX 3 Mass balance system Section 4".

5.2 Mass balance system documentation

- Each EO should include, as part of its documentation management system (see 4.1), a system for documenting the mass balance.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".
- The EO should assign a unique reference/identification number to each batch of certified product sold (also known as batch number).
Refer to "A003 APPENDIX 3 Mass balance system Section 5".

5.3 Mass balance level of operation

- EO should operate the mass balance system at a site level.
Refer to "A003 APPENDIX 3 Mass balance system Section 4".
- If more than one legal entity operates on a site then each legal entity that is an EO is required to operate its own mass balance.
Refer to "A003 APPENDIX 3 Mass balance system Section 4".

5.4 Mass balance timeframe

- The EO should monitor the balance of material withdrawn from and added to the mass balance system.
Refer to "A003 APPENDIX 3 Mass balance system Section 4".

- EO should specify a timeframe over which they will ensure that the mass balance is respected.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".
 - The operator ensures that the balance is achieved over an appropriate period of time no longer than three months. A deficit is not allowed at the end of the period.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".
- At the end of the reporting period, a positive balance can be forwarded to the next reporting period as long as an equivalent physical stock is available.
Refer to "A003 APPENDIX 3 Mass balance system Section 5".

6. Information Transmission requirements

6.1 Transmission of information in the supply chain

- The EO to transmit relevant information necessary to demonstrate compliance with the CORSIA sustainability criteria throughout the supply chain. The information transmitted includes all of the relevant reporting elements listed in Annex 16, Volume IV, Part II, Appendix 5, Table A5-2 for which the EO has information. The information is related to a specific physical quantity of material
The EO should follow "A004 APPENDIX 4. Transmission of information in the supply chain".

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