





Developments in sustainability of aviation fuels

The role of the SCS in CORSIA: The RSB System



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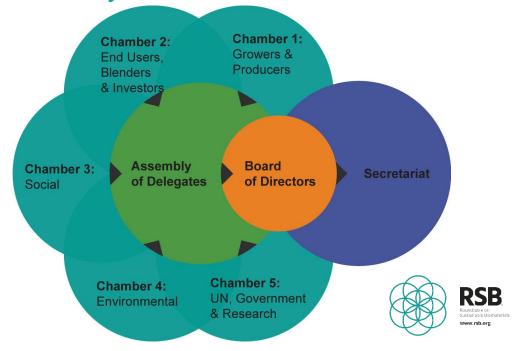






WHAT IS RSB A Multi-Stakeholder Sustainability Standard







ENVIRONMENT

ICAO STOCKTAKING SEMINAR TOWARD THE 2050 VISION FOR SUSTAINABLE AVIATION FUELS





RSB Members Aviation Representation













BRITISH AIRWAY



















NESTE

























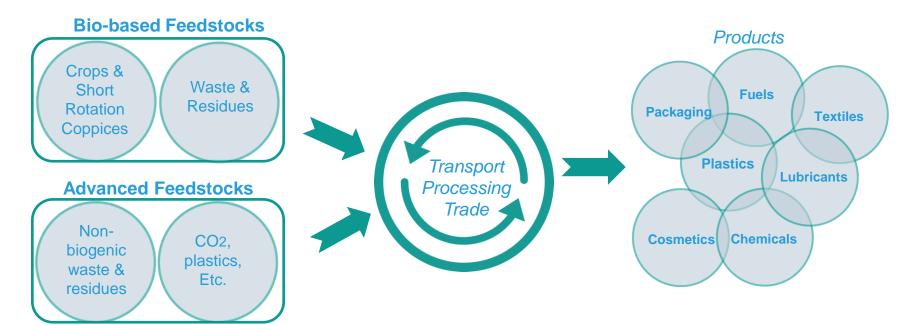








FEEDSTOCK & PRODUCT DIVERSITY



RSB certifies







How RSB Certification overlaps with CORSIA Criteria

CORSIA requirement: Greenhouse Gases



RSB Solution: GHG Principle requires 50% minimum reduction

CORSIA requirement: Carbon Stock



Conservation
Principle prevents
conversion or
degradation of
conservation values

- Verified by the RSB
 Assurance System: Third-party certification
- Traceability: RSB Chain of Custody Standard
- Indirect land use changes:
 RSB Low ILUC risk biomass
 module





ENVIRONMENTAL & SOCIAL RESPONSIBILITY

Sustainability Compliance



Principle 1
Legality



Principle 2
Planning,
Monitoring
& Continuous
Improvement



Principle 3
Greenhouse
Gas Emissions



Principle 4
Human & Labour
Rights



Principle 5
Rural and Social
Development



Principle 6
Local Food
Security



Principle 7
Conservation



Principle 8 Soil



Principle 9
Water



Principle 10
Air Quality



Principle 11
Use of Technology,
Inputs &
Management
of Waste



Principle 12 Land Rights









RISK BASED APPROACH: Simplified Certification

Risk Category	- Audit schedule - Audit intensity
RSB Screening Tool	Identifies risks specific for the projectAudit team composition
Waste/Residues	- Impact assessment per category - Requirements to address specific risks
RSB Regional Indicators	Existing regulatory contextTools/Standards already used in a region
Collaboration	BenchmarksCombined Audits





RSB SMALLHOLDER APPROACH

Incorporating small-scale production in global aviation supply chains

- RSB Smallholder Standard
- Group management approach
- Step-wise compliance over 3 years













BEYOND CERTIFICATION: A Snapshot of RSB Projects

ADVISORY SERVICES

POLICY DEVELOPMENT

REGIONAL INDICATORS



























RESOURCE ASSESSMENTS

Availability of sustainable alternative aviation fuel



Real sustainability is built into the foundations of the project!















THANK YOU!

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ICAO STOCKTAKING SEMINAR TOWARD THE 2050 VISION FOR SUSTAINABLE AVIATION FUELS





HOW IT WORKS

Certification Process

CORSIA **RSB** Compliant Certified Step 3: Audit Desk-based preparation **Ongoing** On-site Evaluation Identification of non-Annual surveillance audits **Step 2: Preparation for** conformities during period of certificate the Audit Closing of major nonvalidity conformities Self-Risk Assessment Issuance of the certificate Screening Exercise Public Audit Summary Greenhouse Gas Calculation **Step 1: Application** Environmental & Social Online Application Management Plan Accept Terms & · Chain of Custody Conditions Procedure Contact Certification Stakeholder Consultation Body 2 week public comments period



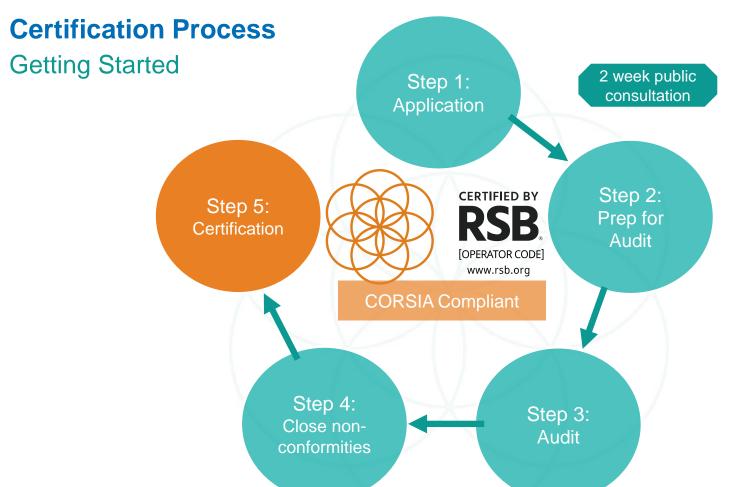


ASSURANCE: Ensuring Credibility

- Ensuring Independent and 3rd Party Audits by Certification Body
- Full documentation procedures
- Evaluation of Certification Body's competence to provide RSB assessments
- Ongoing monitoring of the Certification Body
- Conducting Witness Audits
- Unplanned Assessments triggered by specific concerns or RSB requests









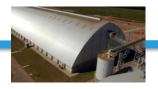




RSB Chain of Custody Certification















A robust chain of custody certification is essential

The RSB Chain of Custody certification

Ensures that certified operators only associate RSB compliance claims with biomass/biofuels/advanced fuels and advanced products which are compliant with the RSB Standards, and

Requires continuous documentation to uniquely identify RSB compliant product in acquiring, handling and forwarding of product.

Ensures that relevant information necessary to fulfill reporting requirements is tracked from origin to the user

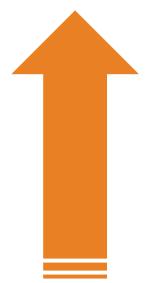






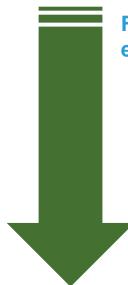






Factors that increase emissions:

- Land-use change
- Fertilizer use
- Energy use
- Other inputs (pesticides, chemicals)
- Effluents, leakages



Factors that decrease emissions:

- Soil carbon sequestration
- Perennial feedstocks
- Reducing inputs
- Using residues for heat/power generation

RSB has a third-party certification system in place to verify GHG calculations throughout the entire Chain of Custody:

