



Updates and Changes in ISCC Japan FIT

Juliane Pohl, ISCC System GmbH
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Who We Are

The International Sustainability and Carbon Certification (ISCC) is an independent multi-stakeholder initiative and leading certification system for sustainable, fully traceable, deforestation-free, and climate-friendly supply chains. Under our certification, we ensure environmentally, socially, and economically sustainable production.



ISCC Japan FIT System Documents

Current System Documents

- **ISCC Japan FIT - PKS and Palm Trunks**
- **ISCC Japan FIT: Principles and Criteria - PKS and Palm Trunks**

Recognition by METI since April 2022

- **ISCC Japan FIT - Sustainable Palm Oil**
- **ISCC Japan FIT: Principles and Criteria - Sustainable Palm Oil**

Recognition by METI since April 2023

ISCC JAPAN FIT SYSTEM DOCUMENT

Version 2.0

ISCC Japan FIT System Documents

Consolidated System Document

- **ISCC Japan FIT System Document Version 2.0**
 - Covers all newly eligible biomass fuels as approved by METI – previously only PKS and Palm Trunks and Palm Oil
 - Certification scope
 - Relevant ISCC documents
 - Requirements for GHG calculations, including GHG reduction thresholds
 - Japan FIT sustainability requirements (“Principles and Criteria”)

Eligible biomass fuels

Currently eligible biomass fuels

- *Palm oil*
- *PKS*
- *Palm trunks*

Eligible biomass recently approved by METI

- *EFB*
- *Coconut shell*
- *Cashew nutshell*
- *Walnut shell*
- *Almond shell*
- *Pistachio shell*
- *Sunflower seed shells*
- *Corn straw pellet*
- *Bengkuang seeds*
- *Sugar cane stems & leaves*
- *Peanut shell*
- *Cashew nut shell liquid*

*All eligible biomass fuels approved by METI will be included in the document **List of Eligible Materials for ISCC Japan FIT**.*

ISCC GHG calculation formula

Overview of the relevant elements in the formula as confirmed by METI

$$E = e_{ec} + e_l + e_p + e_{td} + e_u - e_{sca} - e_{CCS} - e_{CCR}$$

- E** - Total GHG emissions from supply and use of the fuel (in g CO_{2eq}/MJ)
- e_{ec}** - GHG emissions from the extraction or cultivation of raw materials
- e_l** - Annualized (over 20 years) GHG emissions from carbon stock change due to land use change
- e_p** - GHG emissions from processing
- e_{td}** - GHG emissions from transport and distribution
- e_u** - GHG emissions from the fuel in use
- e_{sca}** - GHG emissions savings from soil carbon accumulation via improved agricultural management
- e_{CCS}** - GHG emissions savings from carbon capture and geological storage
- e_{CCR}** - GHG emissions savings from carbon capture and replacement

GHG criteria under ISCC Japan FIT as confirmed by METI

GHG Reduction Requirements

- **Baseline**

- Thermal power generation assuming 2030 energy mix:

180 g-CO₂/MJ electricity

- **Lifecycle GHG reduction requirement**

- Requires that **50% reduction** be achieved for fuels used until FY2029 and **70% reduction** be achieved for fuels used in 2030 and beyond

		GHG reduction requirement ratio	
		- FY2029	FY2030-
FIT approval date	- FY2021	Voluntary reporting	
	FY2022-	-50%	-70%
	FY2030-	-	-70%

METI defined a transition period to meet GHG reduction criteria

Transition period

□ **Power plants approved under FIT before 31 March 2022:**

- They do not have to meet lifecycle GHG reduction requirements applicable under the FIT system

• **Power plants approved under FIT after 1 April 2022:**

- They have to meet lifecycle GHG reduction requirements either by the start of operations onwards or by 31 March 2026, whichever comes earlier

• **Power plants approved under FIT after 1 April 2026:**

- They all have to meet the lifecycle GHG reduction requirements

ISCC Japan FIT Audit Procedure for Chain of Custody				
No.	Chapter	Remarks	Risk level	Audit intensity
0.	Basic data	Basic data of the operational unit to be audited	Not applicable	
1.	Management system	Risk assessment according to ISCC 102 and 204	Not applicable	
2.	Traceability	The risk of a flawed documentation has to be evaluated. The risk level determines the audit intensity	High	The documents of three successive months should be checked completely
			Medium	The documents of one month should be checked completely and random samples should be taken from three successive months
			Regular	Documents taken from random samples of three successive months should be checked
3.	Greenhouse Gas Emissions	Application of default values, disaggregated default values or actual values	Not applicable	Mandatory
4.	List of Best Practices, Non-conformities and Measures	Defined list of all points marked "no" in the column "Conformity"	Not applicable	

Please read the guidelines carefully before completing the audit procedures!

- The Japanese Ministry of Trade and Industry (METI) has recognized the ISCC Japan FIT schemes for certifying sustainable material eligible under the FIT system and the supply chains up to and including power plants. METI operates the Japan FIT scheme that obligates electricity producers in Japan to purchase power from renewable sources, including biomass.
- ISCC provides audit procedures which are based on the ISCC Japan FIT System Document and contain all relevant certification requirements
- The audit procedures are a crucial tool to facilitate consistent and comparable verification of ISCC requirements during ISCC audits. For certification it is mandatory to use the audit procedures when conducting audits under the ISCC Japan FIT scheme
- System Users can use the audit procedures to conduct their internal assessments, for internal trainings or to prepare for an audit. The application of the audit procedures for such purposes is voluntary but recommended
- Each requirement is complemented by verification guidance information and information on what evidence may be provided
- Questions and requirements that were added or adjusted are marked as such. Minor amendments, e.g. change of order, corrections of phrasings and spelling mistakes, are not listed
- For biomass power plants approved by METI before 31st March 2022, the supply chain elements (except power plants) must comply with all relevant ISCC Japan FIT requirements, except for the GHG emission savings requirements which is voluntary
- For biomass power plants approved by METI after 1st April 2022, the supply chain elements including power plants must comply with all relevant ISCC Japan FIT requirements including the GHG emissions saving requirements. Please note that a grace period until 1st April 2026 is in place until which determination of the GHG emissions savings is voluntary
- The application of default values will also become possible
- This template contains certification requirements for Points of Origins, First Gathering Points, Central Offices, Collecting Points, Processing Units, Logistic Centres



ISCC Japan FIT Audit Procedures for Principles and Criteria				
No.	Template	Remarks	Risk level	Audit intensity
0	Basic data of site	Basic data of the site audited	Not applicable	
1	Ecological and social sustainability	ISCC Japan FIT Principles & Criteria		Risk assessment, and by that, in case of points of origin, the sample size has already been determined by the auditor in the framework of the audit of the collecting point
2	List of Best Practices, Non-conformities list and Measures	Defined list of all points marked "no" in the column Conformity	Not applicable	

Please read the guidelines carefully before completing the audit procedures!

Important: this procedure cannot be used for a stand-alone audit, only in connection with the CoC procedure!

- The Japanese Ministry of Trade and Industry (METI) has recognized the ISCC Japan FIT schemes for certifying sustainable material eligible under the FIT system and the supply chains up to and including power plants. METI operates the Japan FIT scheme that obligates electricity producers in Japan to purchase power from renewable sources, including biomass.
- ISCC provides audit procedures which are based on the ISCC Japan FIT System Document and contain all relevant certification requirements
- The audit procedures are a crucial tool to facilitate consistent and comparable verification of ISCC requirements during ISCC audits
- This template contains certification requirements for Points of Origins, First Gathering Points, Central Offices, Collecting Points, Processing Units, Logistic Centres, Warehouses, Traders and power plants (energy producers). The procedure is also applicable for sample audits of points of origin, storage facilities and dependent collecting points
- For certification it is mandatory to use the audit procedures when conducting audits under the ISCC Japan FIT scheme
- The ISCC Japan FIT audit procedure for Principles and Criteria must always be used in addition to the ISCC Japan FIT audit procedure for chain of custody. Exception: For the audit of farms/plantations the current version of the ISCC EU audit procedure for farms/plantations must be applied
- System Users can use the audit procedures to conduct their internal audits, for internal training, or to prepare for an audit. The application of the audit procedures for such purposes is voluntary but recommended
- Each requirement is complemented by verification guidance information and information on what evidence may be provided
- Questions and requirements that were added are marked. Minor amendments, e.g., change of order, corrections of phrasings, and spelling mistakes are not listed
- This template contains certification requirements regarding the ISCC Japan FIT scheme. The procedure is also applicable for sample audits.
- System Users must be compliant with all immediate requirements (IM) of the ISCC Japan FIT Principles and Criteria when the ISCC self-declaration was signed for the first time or when the System User obtained the initial ISCC certification. The short-term (ST) and mid-term (MT) requirements specified in ISCC Japan FIT Principles and Criteria have to be implemented as part of a continuous improvement process over a specified period of 3 and 5 years respectively. Best practice requirements (BP) are entirely voluntary. They can be fulfilled at any point in time, but they are never mandatory. The short-term requirements must be fulfilled after a maximum of 3 years and mid-term requirements after a maximum of 5 years after the System User signed the ISCC self-declaration for the first time or obtained the initial ISCC certification.

- List of Eligible Materials for ISCC Japan FIT
- Self-declarations
- Audit Procedure for Chain of Custody
- Audit Procedure for Principles and Criteria
- PoS

ISCC Self-Declaration for Points of Origin Producing Waste and Residues

Information about the Point of Origin:	
Name	
Street address	
Postcode, location	
Country	
Phone number	
The amount of raw material produced by the Point of Origin is ten (10) or more metric tons per month	<input type="checkbox"/>
Kind of raw material produced by the Point of Origin	
Recipient of the raw material (Collecting Point)	
By signing this self-declaration, the signatory confirms the following:	
1. "Raw material" refers to materials eligible under Japan FIT. Deliveries of such raw material covered under this self-declaration consist entirely of of the raw material, not mixed with any other material that doesn't comply with the ISCC Japan FIT requirements and Principles and Criteria.	
2. Raw material covered under this self-declaration meets the definition of a waste. This means it is a material that the Point of Origin discards or intends or is required to discard and that it was not intentionally modified or contaminated to meet this definition.	
3. Documentation of quantities delivered of raw material is available.	
4. Applicable national legislation regarding waste prevention and management (e.g. for transport, supervision, etc.) are complied with.	
5. Auditors from certification bodies or from ISCC (may be accompanied by a representative of the Collecting Point) can examine on-site or by contacting the signatory (e.g. via telephone) whether the statements made in this self-declaration are correct.	
6. The information on this self-declaration can be forwarded to and reviewed by the certification body of the Collecting Point and by ISCC. Note: The certification body and ISCC keep all data provided on this self-declaration confidential.	



List of materials eligible for ISCC Japan FIT certification

(September 2023)

The ISCC Japan FIT certification can cover feedstocks eligible for the production of renewable electricity in Japan under the Feed-in-Tariff system. The lists below further aim for the harmonization of the description of material under ISCC Japan FIT (e.g. on ISCC Japan FIT certificates). There shall be no brand names or technical characteristics of the material or the production process (e.g. bleached, deodorized, industrial grade, etc.) on the ISCC Japan FIT certificate. Products derived from sustainable raw material shall be stated on ISCC Japan FIT certificates according to table 2 (intermediate and final products). Sustainable material may be declared in more detail in contracts, on sustainability declarations, or delivery documents.

The ISCC Japan FIT material list includes materials which are classified as by-products under Japan FIT. The classification of a material as eligible biomass fuel is done by METI and communicated via a positive list as published by METI.¹ For further information please see the ISCC Japan FIT System Document.

Raw material marked with one asterisk (*): Material classified either as agricultural crop residue if directly generated by agriculture, or classified as processing residue if generated during processing, i.e. in a processing unit.



Table 1: Raw materials		
Declaration of material on ISCC Japan FIT certificate	Classification according to METI positive list	Additional information
Almond shell*		
Bengkuang seeds*		
Cashew nutshell*		
Cashew Nut Shell Liquid (CNSL)*		
Coconut shell*		
Corn straw pellet*		
Empty Fruit Bunch (EFB)*		

¹ The list is included in the document "Business plan development guideline for biomass power", available here: https://www.enecho.meti.go.jp/category/saving_and_new/saie/kaitori/dl/fit_2017/legal/guideline_biomass.pdf.

Registration under ISCC Japan FIT

- **First ISCC Japan FIT certificate issued in May to the company “CV. ANUGRAH ABADI” under the scope of Trader**
- **More companies registered for ISCC Japan FIT will obtain the certificate according to the certification process**
- Six (6) companies, based in Indonesia and Malaysia, currently registered under the scope of Point of Origin
- **Interest from companies to be certified for the newly eligible biomass fuels, e.g. cashew nutshell**



Thank you!

ISCC System GmbH

Hohenzollernring 72, 50672 Cologne, Germany

www.iscc-system.org

