



# ISCC Japan FIT 更新及び変更事項

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# ISCCとは

The International Sustainability and Carbon Certification (ISCC) は独立した複数の利害関係者によるイニシアチブであり、持続可能で、完全に追跡可能な、森林破壊のない、気候に優しいサプライチェーンのための認証システムをリードしています。私たちは認証において、環境的、社会的、経済的に持続可能な生産を保証します。



# ISCC Japan FIT システム文書

## 現在のシステム文書

- ISCC Japan FIT - PKS(パーム椰子殻)およびパームトランク
- ISCC Japan FIT: 原則及び基準 - PKS(パーム椰子殻)およびパームトランク

2022年4月以降、経済産業省承認

- ISCC Japan FIT - 持続可能なパーム油
- ISCC Japan FIT: 原則及び基準 - 持続可能なパーム油

2023年4月以降、経済産業省承認

## ISCC JAPAN FIT SYSTEM DOCUMENT

Version 2.0

# ISCC Japan FIT システム文書

## 包括的システム文書

- **ISCC Japan FIT システム文書 2.0版**
  - 経済産業省が承認した全新規バイオマス適格燃料を網羅 – 以前はパーム殻(PKS)、パームトランク、パーム油のみ
  - 認証の範囲
  - 関連する ISCC 文書
  - 温室効果ガス(GHG) 削減閾値の要件を含むGHG算定の要件
  - Japan FIT 持続可能性要件 (“原則及び基準”)

# バイオマス適格燃料

## 現在のバイオマス適格燃料

- パーム油
- PKS
- パームトランク

## 経済産業省が新規に承認した 適格バイオマス

- EFB（パーム椰子果実房）
- ココナッツ殻
- カシューナッツ殻
- くるみ殻
- アーモンド殻
- ピスタチオ殻
- ひまわり種殻
- コーンストローペレット
- ベンコワン(葛芋)種子
- サトウキビ茎葉
- ピーナッツ殻
- カシューナッツ殻油

経済産業省が承認した全てのバイオマス適格燃料は、文書 **ISCC Japan FIT 適格材料リスト** に含まれる。



# ISCC GHG 算定式

## 経済産業省に確認された算定式の関連要素の概要

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

- E** - 燃料の供給と使用に伴うGHG総排出量 (単位 g CO<sub>2eq</sub>/MJ)
- e<sub>ec</sub>** - 原材料の抽出または栽培によるGHG排出量
- e<sub>l</sub>** - 年換算した(20年以上)土地利用変化による炭素ストックの変化に伴うGHG排出量
- e<sub>p</sub>** - 加工によるGHG排出量
- e<sub>td</sub>** - 輸送・流通に伴うGHG排出量
- e<sub>u</sub>** - 燃料使用によるGHG排出量
- e<sub>sca</sub>** - 農業管理の改善による土壌炭素蓄積によるGHG排出削減量
- e<sub>CCS</sub>** - 炭素回収と地中貯留によるGHG排出削減量
- e<sub>CCR</sub>** - 炭素回収と代替利用によるGHG排出削減量

# 経済産業省に確認されたISCC Japan FITにおけるGHG基準

## GHG 削減要件

- ベースライン

- 2030年のエネルギーミックスを仮定した火力発電:

180 g-CO<sub>2</sub>/MJ 電力

- ライフサイクル GHG 削減要件

- 2029年までは燃料調達毎に50% 削減、2030年以降は燃料調達毎に70% 削減が必要。

		GHG削減要求率	
		～2029年	2030年
FIT 認定年	～2021年	自主的報告	
	2022年～	-50%	-70%
	2030年～	-	-70%

## 経済産業省が策定したGHG削減基準を満たすまでの移行期間

### 移行期間

- **2022年3月31日以前、FIT認定される発電所:**

- FIT制度で求められるライフサイクルGHG削減要件を満たす必要はない。

- **2022年4月1日以降、FIT認定される発電所:**

- ライフサイクルGHG削減要件を運転開始時期または2026年3月31日のいずれか早い時期において満たさなければならない。

- **2026年4月1日以降、FIT認定される発電所:**

- ライフサイクルGHG削減要件を満たさなければならない。



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 31<sup>st</sup> 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 1<sup>st</sup> 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 1<sup>st</sup> 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.

- ISCC Japan FIT適格材料リスト
- 自己宣言
- CoC (生産物流通認証) の監査手順
- 原則及び基準の監査手順
- PoS

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

<b>Information about the Point of Origin:</b>	
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)	
<b>By signing this self-declaration, the signatory confirms the following:</b>	
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.<sup>1</sup> 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)*		

<sup>1</sup> 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](https://www.enecho.meti.go.jp/category/saving_and_new/saie/kaitori/dl/fit_2017/legal/guideline_biomass.pdf).

## ISCC Japan FITにおける 登録

- 最初の ISCC Japan FIT 認証はトレーダーのスコープで、“CV. ANUGRAH ABADI社”に対して 5月に発行された。
- さらに多くのISCC Japan FIT登録企業は認証プロセスに従って、認証を取得する予定。
- インドネシアやマレーシアの6社が発生地点 (Point of Origin) のスコープで登録している。
- カシューナッツ殻のような新規適格バイオマス燃料の認証に企業は関心あり。



# Thank you!

ISCC System GmbH

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