

Green Gold Label

Instruction B.1

FIT/FIP Endorsed schemes

Requirements for integrating biomass from
Endorsed schemes into GGL for FIT/FIP



Instruction B.1

FIT/FIP Endorsed schemes

Version 2-2

Valid from 7 September 2026 (Adoption date)

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Document navigation

This Instruction is part of the GGL Module for FIT/FIP. It concerns the Endorsed schemes instruction detailing which other certification schemes are accepted by GGL under FIT/FIP.

The Overall documents comprise the GGL Setup and Governance, GGL Standards and GGL Operating documents. Additionally, the GGL scheme offers Instructions and Guidances for specific regulatory frameworks (RED, FIT/FIP, SDE+/++), which can supersede clauses in the Overall documents. This applies only when explicitly stated in the relevant Instructions and Guidances.

Refer to the **GGL Document Structure** (as part of the GGL Setup and Governance documents) for more detailed information on navigating and interpreting GGL documentation.

GGL Setup and Governance <ul style="list-style-type: none"> Articles of association GGL foundation GGL Document structure GGL Regulation GGL Scope definitions GGL CB agreements GGL Partner Code of Conduct GGL Operating Agreement 	GGL Standards <ul style="list-style-type: none"> GGLS1 – Chain of custody criteria GGLS2 – Agricultural source criteria GGLS4 – Transaction and Product Certificate GGLS5 – Forest management criteria GGLS6 – Power company criteria 	RED – Instructions <ul style="list-style-type: none"> Instruction A.0 – RED Module Instruction A.1 – RED Reporting duties Instruction A.2 – RED Internal monitoring Instruction A.3 – RED Auditor requirements Instruction A.4 – RED GHG emissions Instruction A.5 – RED Additional Agricultural source and Forest management criteria Instruction A.6 – RED Supplier verification programme for biogenic residues and waste 	RED – Guidances <ul style="list-style-type: none"> Guidance A.0.i – RED Raw materials statement template Guidance A.0.ii – RED Transaction certificate template Guidance A.0.iii – RED Audit template Guidance A.4.iv – RED GHG default values Guidance A.5.v – RED Level A Risk assessments Guidance A.6.vi – RED Supplier verification checklist for biogenic residues and waste 	GHG Guidance <ul style="list-style-type: none"> Guidance ABC.1 – GHG calculator
	GGL Operating documents <ul style="list-style-type: none"> GGL Participant fees GGL Logo and tradename use GGL List of prohibited materials 	FIT / FIP – Instructions <ul style="list-style-type: none"> Instruction B.0 – FIT/FIP Module Instruction B.1 – FIT/FIP Endorsed schemes Instruction B.2 – FIT/FIP GHG emissions Instruction B.3 – FIT/FIP Additional power company criteria 	FIT / FIP – Guidances <ul style="list-style-type: none"> Guidance B.0.i – FIT/FIP Raw materials statement template Guidance B.0.ii – FIT/FIP Transaction certificate template Guidance B.0.iii – FIT/FIP Audit template Guidance B.0.iv – FIT/FIP Supplier verification checklist for biogenic residues and waste Guidance B.2.v – FIT/FIP LCGHG default values 	
	SDE++ – Instructions <ul style="list-style-type: none"> Instruction C.1 – SDE++ Endorsed schemes Instruction C.2 – SDE++ GHG emissions 	SDE++ – Guidances <ul style="list-style-type: none"> Guidance C.0.i – SDE++ Raw materials statement template Guidance C.0.ii – SDE++ Transaction certificate template 		



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Changes and transitioning

This section lists the major changes in this version v2-2 from v2-1.

No.	Change type	Section reference	Details of change
1	Content	A.4, sections 0, C and D	Endorsement of other certification schemes is limited to the extent that other schemes' chains of custody are 100% reliable and transactions are verified by independent Certification Bodies ex ante.

This section lists the major changes in version v2-1 from **GGL-1c. Endorsed schemes v1-6 (March 2024)**.

No.	Change type	Section reference	Details of change
1	Content	All	Information from GGL-1c. Endorsed Schemes concerning FIT/FIP is separately integrated into this document (information concerning SDE+/++ moved to a separate document)
2	Content	All	Clarified the difference between GGL-Certified and GGL-Controlled woody biomass
3	Content	0	Differentiated specific endorsements of FSC, PEFC and SBP for Woody biomass as either GGL-Certified or GGL-Controlled, per type of claim under respective Endorsed scheme
4	Content	0	Included SBP as an Endorsed scheme for Woody biomass
5	Content	C and D	Detailed endorsements per type: for Participant or specific biomass material for GGL Categories 4 or 5
6	Content	D	Included SBP as an Endorsed scheme for Biogenic residues and waste
7	Text feature	Document navigation	Included document navigation
8	Text feature	Changes and transitioning	Included the changelog and the transitioning procedure between the previous and the current version
9	Text feature	Glossary	Included glossary
10	Formatting	All	Changed and edited formatting, text and wording for clarity and readability



No.	Change type	Section reference	Details of change
11	Formatting	All	Converted layout to new templates for GGL Documents

In transitioning to this current version of this document, the following applies to Certification Bodies, Participants and Certificates:

Publication date	6 July 2026
Adoption date	7 September 2026
Effective date	1 March 2027
End of Transition period	1 March 2028

Glossary

Term	Definition
Adoption date	New (versions of) GGL documents include an Adoption date in the transitioning section. This date indicates when certification against the GGL Scheme and the specific document becomes possible. Certifications based on previous versions will remain valid until the Effective date of the new document.
Biomass	Biomass refers to the biodegradable portion of products, waste, and residues derived from biological sources in agriculture, which includes both plant and animal materials. It also encompasses materials from forestry and related industries, such as fisheries and aquaculture. Additionally, biomass includes the biodegradable fraction of waste, including industrial and municipal waste of biological origin.
Certification Body / CB	An independent third party evaluates and certifies the certification process. Certification bodies approved by GGL for one or more GGL scopes are listed on the GGL website.
Effective date	New (versions of) GGL documents specify an Effective Date. This is the date after which certification can only be granted according to the GGL Scheme and the specific document that has the Effective Date. Certification based on previous versions of the document is no longer considered valid.
Eligible fuel	Any biomass fuel that listed in the relevant GGL Module and eligible for GGL certification.
First Collector	The first participant in the GGL supply chain for residues and wastes (GGL category 5) is known as the First Collector. This entity collects raw materials from suppliers who provide Raw Materials Statements. First Collectors are similar to Biomass Producers in that they are the initial GGL Participants within the GGL supply chain.
Forest	Land spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10%, or trees able to reach these thresholds in situ, excluding land predominantly under agricultural or urban use.
GGL Biomass	Biomass certified with a GGL-Certified or GGL-Controlled claim.
GGL Categories	Biomass is classified into one of five categories recognized by GGL: 1) Woody biomass from large FMUs (> 500 hectares) 2) Woody biomass from small FMUs (< 500 hectares) 3) Residues from natural site and landscape management 4) Agricultural biomass 5) Biogenic residues and waste
GGL Module	These Instructions and Guidance documents outline how GGL has been approved and recognized as a Certification scheme under various legal and voluntary frameworks (e.g., Renewable Energy Directive (RED) in Europe and FIT/FIP in Japan).

Term	Definition
GGL Scope	Each GGL Participant and each Certification Body (CB) is restricted to performing activities under the GGL Scheme based on the specific GGL Scope for which they are recognized. GGL Biomass has a specific GGL Scope. The GGL Scope is a combination of (a) applicable regulatory GGL Modules and (b) the GGL Categories of biomass. Detailed definitions of GGL Scopes can be found in the GGL Scope definitions document.
GGL-Certified	Biomass that has been certified against all applicable GGL criteria, or against a certification scheme other than GGL, which has been endorsed and approved by the relevant authorities (e.g., EU for RED, METI for FIT/FIP) and holds equivalent status. GGL-Certified biomass meets all criteria for sustainability and legality.
GGL-Controlled	Woody biomass that has been certified against some of the applicable GGL criteria, or against a certification scheme other than GGL that has been endorsed and approved by the relevant authorities (e.g., the EU for RED or METI for FIT/FIP) holding equivalent status. GGL-Controlled biomass can only come from GGL categories 1, 2, or 3 for woody biomass and must meet specific key sustainability criteria. Therefore, the sustainability of GGL-Controlled woody biomass is certified to a lesser extent than that of GGL-Certified woody biomass.
GHG (Greenhouse Gas) Emissions	Greenhouse gases are a group of gases that contribute to global warming and climate change. According to the Kyoto Protocol, they include seven gases: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulphur hexafluoride, and nitrogen trifluoride. Converting them to carbon dioxide equivalents (CO ₂ eq) makes it possible to compare them and to determine their individual and total contributions to global warming.
Participant / GGL Participant	An economic operator that has been certified under the GGL Regulation Section G, or under another certification scheme endorsed and approved by the relevant authorities (e.g., EU for RED or METI for FIT/FIP), holds equivalent status. This includes forest and agricultural biomass producers, waste and residue producers, first gathering points, collectors, suppliers, traders, processing plants, and conversion plants (end-users).
Point of origin	The location where the raw material directly originates, before its classification as GGL Biomass.
Publication date	New (versions of) GGL documents include their Publication date, which indicates when that version is published. Certification against a new version cannot occur until after its Adoption date.
Raw material	The batch of biomass from a single Point of origin before it is classified as GGL Biomass, for which a single Raw Material Statement is verified and that falls within a single GGL Category of biomass.
Residue	A substance that is not the primary, co- or by-product of a production process. It is not a primary goal of that process, and the process has not been intentionally adjusted to create it.



Term	Definition
RMS / Raw Material Statement	A certified statement describing the batch of raw materials brought into GGL supply chains by a GGL Participant that meets the requirements of GGLS1 - Chain of Custody criteria and applicable GGL Modules.
Transition period	The new versions of the GGL documents specify the end of a Transition Period. This is the time until which (re-)certification decisions made before the Effective Date (based on the previous version of the document) remain valid. During the Transition Period, audits conducted by a Certification Body must be based solely on the valid (new) version of the GGL Scheme documents.
Waste	Any substance or object that the holder discards, intends to discard, or is required to discard. It is not classified as a co- or by-product and does not include substances that have been intentionally altered or contaminated to fit this definition.



A. Introduction

A.1

Green Gold Label (GGL) seeks to stand out through its collaboration with other certification schemes, provided they have official and legitimate approval of applicable regulators.

A.2

This document concerns the endorsed schemes by Green Gold Label (GGL) for FIT/FIP and includes the positive list of endorsed schemes as published by the authorised regulatory body.

A.3

Endorsed schemes can be used by **GGL Participants** under FIT/FIP within the GGL Scheme as stipulated in **GGLS1 - Chain of custody criteria**, for which this document sets additional rules and requirements. This document may be updated if schemes are added or removed.

A.4

To assure the integrity of GGL's chain of custody and warrant the value of the GGL-Certified claim, all endorsements of other certification schemes are specific and limited based on the other schemes':

- Integrity of chains of custody;
- Coverage of GHG emission calculations;
- Sustainability standards for Woody biomass; and
- Scope of certification requirements.

A.5

Endorsements of other certification schemes are structured across different **GGL Categories** for consistency. To determine whether biomass certified under another certification scheme is endorsed by GGL or not, Participants can take the following steps together with their Certification Bodies:

1. Establish the GGL Category of the biomass as defined in **GGLS1 - Chain of custody criteria**;
2. Validate the precise claim under which the biomass is certified under the other scheme;
3. Confirm the validity of the certification under the other scheme;
4. Validate the endorsement by GGL of either the certified entity as GGL Participant, or the biomass as GGL-Certified or GGL-Controlled Biomass
5. Complete the Raw Material Statement detailing the endorsement
6. Verify the Raw Material Statement with the endorsement details by the Certification Body on a case-by-case basis



B. Endorsed schemes for biomass in GGL Categories 1, 2 or 3

The list of certification schemes in this section is approved by the relevant Japanese authorities and endorsed by GGL, as applicable for:

- **GGL-Certified** biomass in GGL Categories 1 or 2 (Woody biomass)
- **GGL-Controlled** biomass in GGL Categories 1 or 2 (Woody biomass) or GGL Category 3 (Residues from natural site and landscape management)

B.1 GGL-Certified

For woody biomass listed in **Instruction B.0 – FIT/FIP Module** in section C, the Endorsed schemes listed below are valid under the specified conditions, maintaining the same status as **GGL-Certified** woody biomass when it complies with the applicable requirements:

B.1.1 FSC® (Forest Stewardship Council®):

Woody biomass in GGL Categories 1 or 2 qualifies as **GGL-Certified** biomass when the material is supplied with the following FSC identifications:

- FSC 100%

FSC certification cannot be used to verify GHG emissions. These shall be verified following **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

B.1.2 PEFC (Programme for the Endorsement of Forest Certification):

Woody biomass in GGL Categories 1 or 2 qualifies as **GGL-Certified** biomass when the material is supplied with one of the following PEFC-claims:

- 100% PEFC Origin
- 100% PEFC or 100% PEFC Certified

PEFC certification cannot be used to verify GHG emissions. These shall be verified following **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

B.2 GGL-Controlled

For woody biomass listed in **Instruction B.0 – FIT/FIP Module** in section C, the Endorsed schemes listed below are valid under the specified conditions, maintaining the same



status as **GGL-Controlled** woody biomass when it complies with the applicable requirements:

B.2.1 FSC® (Forest Stewardship Council®):

Woody biomass in GGL Categories 1, 2, or 3 qualifies as **GGL-Controlled** biomass when this material is certified with one of the following FSC identifications:

- FSC Mix ≤100%
(Note: this mix consists exclusively of woody biomass with any FSC identification)
- FSC Controlled wood

FSC certification cannot be used to verify GHG emissions. These shall be verified per **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

B.2.2 PEFC (Programme for the Endorsement of Forest Certification):

Woody biomass in GGL Categories 1, 2, or 3 qualifies as **GGL-Controlled** biomass when this material is certified with one of the following PEFC-claims:

- <100% PEFC or < 100% PEFC Certified
(Note: this mix consists exclusively of woody biomass with any PEFC-claim)
- PEFC Controlled sources

PEFC certification cannot be used to verify GHG emissions. These shall be verified following **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).



B.2.3 SBP (Sustainable Biomass Program):

Woody biomass in GGL Categories 1, 2, or 3 qualifies as **GGL-Controlled** biomass and its verified GHG emissions, when this material is certified with one of the following SBP-claims:

- SBP-Compliant
- SBP-Controlled

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).



C. Endorsed schemes for biomass in GGL Category 4

The list of certification schemes in this section is approved by the relevant Japanese authorities and endorsed by GGL for **GGL-Certified** biomass in GGL Category 4 (Agricultural biomass).

For biomass from Eligible fuels listed in **Instruction B.0 – FIT/FIP Module** in section B, the following Endorsed schemes are valid under the specified conditions:

C.1 RSPO (Roundtable on Sustainable Palm Oil):

Biomass in GGL Category 4 certified with RSPO IP (Identity Preserved) and SG (Segregated) claims qualifies as **GGL-Certified** biomass. In addition:

- RSPO certification cannot be used to verify GHG emissions. These shall be verified following **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities after origination.
- Biomass with RSPO MB (Mass Balance) claim can contain non-certified material, which is not acceptable for endorsement by GGL.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

C.2 ISCC (International Sustainability & Carbon Certification):

Biomass in GGL Category 4 certified under ISCC's Japanese FIT/FIP scope qualifies as **GGL-Certified** biomass and its verified GHG emissions (refer to "ISCC Japan FIT System Document - Palm Kernel Shells and Palm Trunks").

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

C.3 RSB (Roundtable on Sustainable Biomaterials):

Biomass in GGL Category 4 certified under RSB Japanese FIT/FIP (Biomass) Certification qualifies as **GGL-Certified** biomass, and its verified GHG emissions.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).



D. Endorsed schemes for biomass in GGL Category 5

The list of certification schemes in this section is approved by the relevant Japanese authorities and endorsed by GGL for **GGL-Certified** biomass in GGL Category 5 (Biogenic residues and waste).

For biomass listed in **Instruction B.0 – FIT/FIP Module** in sections B or C, the following Endorsed schemes are valid under the specified conditions:

D.1 FSC® (Forest Stewardship Council®):

Biomass in GGL Category 5 qualifies as **GGL-Certified** biomass when the material is supplied with one of the following FSC identifications:

- FSC 100%
- FSC Mix ≤100%
(Note: this mix consists exclusively of woody biomass with any FSC identification)
- FSC Controlled wood

FSC certification cannot be used to verify GHG emissions. These shall be verified per **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

D.2 PEFC (Programme for the Endorsement of Forest Certification):

Biomass in GGL Category 5 qualifies as **GGL-Certified** biomass when the material is supplied with one of the following PEFC-claims:

- 100% PEFC Origin
- 100% PEFC or 100% PEFC Certified
- <100% PEFC or < 100% PEFC Certified
(Note: this mix consists exclusively of woody biomass with any PEFC-claim)
- PEFC Controlled sources

PEFC certification cannot be used to verify GHG emissions. These shall be verified per **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities, including and after origination.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

D.3 SBP (Sustainable Biomass Program):

Biomass in GGL Category 5 qualifies as **GGL-Certified** biomass and its verified



GHG emissions, when this material is certified with one of the following SBP-claims:

- SBP-Compliant
- SBP-Controlled

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

D.4 MSP0 (Malaysian Sustainable Palm Oil) Part 4-1, 4-2, 4-3:

Malaysian entities certified under this MSP0 scope qualify as **GGL Participants** with the role of First Collectors (e.g. CPO mills). Their verified GHG emissions from biomass fall within the following GGL Scope: **FIT/FIP - GGL Category 5 biomass**.

This endorsement is limited to the entity's qualifying status as a First Collector under the endorsed scheme; the chain of custody for all supply chain activities thereafter shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

D.5 RSPO (Roundtable on Sustainable Palm Oil):

Biomass in GGL Category 5 certified with RSPO IP (Identity Preserved) and SG (Segregated) claims qualifies as **GGL-Certified** biomass. In addition:

- RSPO certification cannot be used to verify GHG emissions. These shall be verified following **Instruction B.2 – FIT/FIP GHG Emissions** for all supply chain activities after origination.
- Biomass with RSPO MB (Mass Balance) claim can contain non-certified material, which is not acceptable for endorsement by GGL.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).

D.6 ISCC (International Sustainability & Carbon Certification)

Biomass in GGL Category 5, certified under ISCC's Japanese FIT/FIP scope, qualifies as **GGL-Certified** biomass and its verified GHG emissions (refer to "ISCC Japan FIT System Document - Palm Kernel Shells and Palm Trunks").

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain**



of custody criteria and **GGLS4 – Transaction and product certificate**).

D.7 RSB (Roundtable on Sustainable Biomaterials):

Biomass in GGL Category 5, certified under RSB Japanese FIT/FIP (Biomass) Certification, qualifies as **GGL-Certified** biomass and its verified GHG emissions.

This endorsement is limited to the Point of origin under the endorsed scheme; the chain of custody for all supply chain activities after the Point of origin shall be verified under the GGL scheme's requirements (including at least to **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**).



E. Scope of certification under Endorsed schemes

The scope of products, companies, and processes certified in the issued Endorsed schemes' certificates shall be, or be comparable to, the **GGL scope** of the GGL certificate. This requirement is for the Certification Body to assess, verify and confirm, on a case-by-case basis, as well as to confirm in the Raw material statement.

F. Limitation

The scope of certification for Lifecycle GHG Emissions, as well as this document outlining the relevance of each Endorsed scheme, will be revised in accordance with the latest revisions of the Japanese FIT/FIP guidelines for biomass use.