

Green Gold Label

Instruction B.3

FIT/FIP Additional power company criteria

Extra requirements for the development and safety of
Japanese power plants converting biomass



Instruction B.3

FIT/FIP Additional power company criteria

Version 1-0

Valid from **XXX** 2026 (Adoption date)

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Document navigation

This Instruction is part of the GGL Module for FIT/FIP. It concerns the additional requirements for Power company safety and where specific clauses in this document deviate from the Overall documents (for example **GGLS6 – Power company criteria**), the instructions in this document prevail.

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 GGL Operating documents <ul style="list-style-type: none"> GGL Participant fees GGL Logo and tradename use GGL List of prohibited materials 	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 Additional Biogenic residues and waste criteria 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 SDE++ – Instructions <ul style="list-style-type: none"> Instruction C.1 – SDE++ Endorsed schemes Instruction C.2 – SDE++ GHG emissions 	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 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++ – Guidances <ul style="list-style-type: none"> Guidance C.0.i – SDE++ Raw materials statement template Guidance C.0.ii – SDE++ Transaction certificate template Guidance C.0.iii – SDE++ Audit template 	GHG Guidance <ul style="list-style-type: none"> Guidance ABC.1 – GHG calculator
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Changes and transitioning

This is the first version of this document.

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

Publication date	2 February 2026
Adoption date	
Effective date	N/A – this is the first version of this document
Transition period	

Glossary

Term	Definition
Adoption date	New (versions of) GGL documents state their Adoption date in the transitioning section. This is the date after which certification against the GGL Scheme and the specific document to which the Adoption date applies, is possible. Certification against previous versions remain valid until the Effective date of such document.
Audit	Formal examination and inspection by a GGL approved Certification Body of an organization's processes and activities to verify compliance. By contrast, an audit is different from an internal audit.
Biomass	Biomass means the biodegradable fraction of products, waste and residues from biological origin from agriculture, including vegetal and animal substances, from forestry and related industries, including fisheries and aquaculture, as well as the biodegradable fraction of waste, including industrial and municipal waste of biological origin.
Certification Body / CB	An independent third party that evaluates and certifies the certification process. Certification Bodies approved by GGL for 1 or more GGL Scopes, are listed on the GGL website.
Effective date	New (versions of) GGL documents state their Effective date. This is the date after which only certification against the GGL Scheme and the specific document to which the Effective date applies, is effective. Certification against previous versions of such document is no longer valid.
Foundation / GGL Foundation	Green Gold Label Foundation is the owner of the Green Gold Label (GGL) scheme including all technical documents, promotional documents and logo's, website(s) and other intellectual properties relating to GGL.
GGL Biomass	Biomass that has been certified with a GGL-Certified or GGL-Controlled claim as the case may be.
GGL-Certified	Biomass that has been certified against all applicable GGL criteria, or against a certification scheme other than GGL which has been endorsed & approved by the relevant authorities (e.g., EU for REDII, METI for FIT/FIP) to holds the equivalent status. GGL-Certified biomass meets all criteria for sustainability and legality.
Installation	An installation means a physically operating production (facility) that produces fuel, heat or cooling, or electricity. An installation shall be considered to be in operation once the physical production of biofuels, biogas consumed in the transport sector and bioliquids, and the physical production of heating and cooling and electricity from biomass fuels has started.
Participant / GGL Participant	Economic operator that has been certified under GGL per GGL Regulation Section G or against a certification scheme other than GGL which has been endorsed & approved by the relevant authorities (e.g., EU for REDII, METI for FIT/FIP) to hold the equivalent status, such as forest and agricultural biomass producers, waste and residue producers, first gathering points, collectors, suppliers, traders, processing plants and conversion plants (end-users).

Term	Definition
Publication date	New (versions of) GGL documents state their Publication date. This is the date at which that version is published. Certification against the new version of such document is not possible until after its Adoption date.
RMS / Raw Material Statement	A certified statement of raw material brought into GGL supply-chains by a GGL Participant that meets requirements of GGLS1 - Chain of custody criteria and of applicable GGL Modules.
Site	Site means a geographical location, logistical facilities, transmission or distribution infrastructures with precise boundaries within which products can be mixed.
Solid	Material that does not flow perceptibly under moderate stress, different from liquid or gaseous states.
TC / Transaction certificate	A certified statement of a transaction between GGL Participants that meets requirements of GGLS4 - Transaction and product certificate .
Transition period	New (versions of) GGL documents state their Transition period. This is the period within which (re-)certification decisions taken prior to the Effective date against the previous version of the current document, remain valid. Initial audits, renewal audits and surveillance audits by a Certification Body during the Transition period shall only take place against the current version of the GGL Scheme document to which the Transition period applies.

A. Introduction & scope

A.1

METI (Ministry of Economy, Trade and Industry) in Japan has identified requirements for FIT/FIP approval for Power companies before they become operational.

This instruction details when and how Power companies may be certified against GGL Standards, including **GGLS6 – Power company criteria**, when they are not yet operational.

A.2

The Japan Carbon Frontier Organization in Japan has published safety measures for storing and handling woody biomass.

A.2.1 This recommendation has identified specific fire and explosion risks relating to handling and storing of woody biomass in a document called “Effective Countermeasures for Preventing Accidents in Biomass Power Generation Facilities” dated 16 December 2025 ¹

A.2.2 The ISO 20024:2020 standard provides a risk-based approach for the safe storage and handling of solid biofuel pellets in commercial and industrial applications, including power generation.

A.2.3 This instruction details when and how Power companies may be certified against GGL Standards, including **GGLS6 – Power company criteria** regarding ISO 20024:2020.

A.3

Requirements in this document are incremental to GGL Standards, including **GGLS6 – Power company criteria**. Power companies under Japanese FIT/FIP regulations may also choose to comply with:

A.3.1 Principle 1 and Principle 2 of this instruction; and / or

A.3.2 Principle 3 of this instruction.

¹ <https://www.jcoal.or.jp/eng/upload/Effective%20Countermeasures%20for%20Preventing%20Accidents%20in%20Biomass.pdf>

Principle 1. Power companies that are not yet operational may be certified under GGL when its Certification Body can base the certification decision on documented information and interviews.

- 1.01 Power companies that are not yet operational may be certified against GGL requirements based on detailed designs, documentation and interviews.
- 1.02 Prior to the Initial audit, the Certification Body's auditor shall determine whether sufficient data are available to complete the audit. These data shall contain:
 - Profile of the power company
 - Land acquisition status and related documentation (including Seal Registration Certificate, Certified Copy of the Registry)
 - Information demonstrating compliance with applicable laws and regulations
 - Technical and engineering details of the power plant design, power generation equipment and wiring diagrams
 - Fuel procurement and usage plans
 - Environmental impact assessment reports
 - Project implementation schedule, and
 - Other project-level information that may be relevant for pre-operation certification
- 1.03 Detailed design data shall be brought up to date within six (6) months of any of the following events by a Power company:
 - Operations have started;
 - Raw material has been brought into GGL supply chains with a Raw Material Statement; or
 - GGL Biomass has been bought with a Transaction Certificate.
- 1.04 The Power company must have a physical site that can be audited by the Certification Body and have at least a provisional operating permit.
- 1.05 Measurement instruments shall be installed and calibrated before biomass amounts can be measured and actual values reviewed.

Principle 2. An audit shall be conducted within six (6) months after start of activities and all designs and documentation shall be up to date.

- 2.01 Any non-conformity identified at a Power company before its operations have started shall be corrected in its detailed designs and/or documentation.
- 2.02 Within six (6) months of an event mentioned in 1.03, the Power company shall be audited to verify that the detailed design and documentation align with the site's actual attributes.
- 2.03 The audit referred to in 2.01 is in addition to any annual or surveillance audits conducted or planned.

Principle 3. Power companies certified as GGL Participant that are ISO 20024:2020 compliant may use the claim "GGL+Safety-certified"

- 3.01 Power companies certified as GGL Participant may choose to be certified against ISO 20024:2020 by their Certification Body, provided that the Certification Body also holds a valid accreditation to conduct audits against ISO 20024:2020.



3.02 Power companies certified as GGL Participant that hold a valid certification against ISO 20024:2020, receive an exclusive license from the GGL Foundation to use the claim “GGL+Safety-certified” in the public domain.

Note - This GGL+Safety-certification is not required for Power companies as GGL Participants but recommended nonetheless for the safe storage and handling of woody biomass.

3.03 This licence to use the claim is automatically withdrawn when the ISO 20024:2020 certification of the GGL+Safety-certified Power company loses its validity. Power companies that are certified as GGL Participants shall inform their Certification Body immediately when their ISO 20024:2020 certification is no longer valid.