

# **Green Gold Label Standard GGLS4 Transaction and product certificate**

Requirements, background and templates  
for Transaction and Product Certificates



# **Standard GGLS4**

## **Transaction and product certificate**

Version 3-2

Valid from 7 September 2026 (Adoption date)

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## Document navigation

This document is part of the Standards from the Overall documents. It concerns Standard 4 of the GGL scheme and applies to all regulatory frameworks.

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.

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

The GGL standards are applicable as per the indicative Illustration i below.

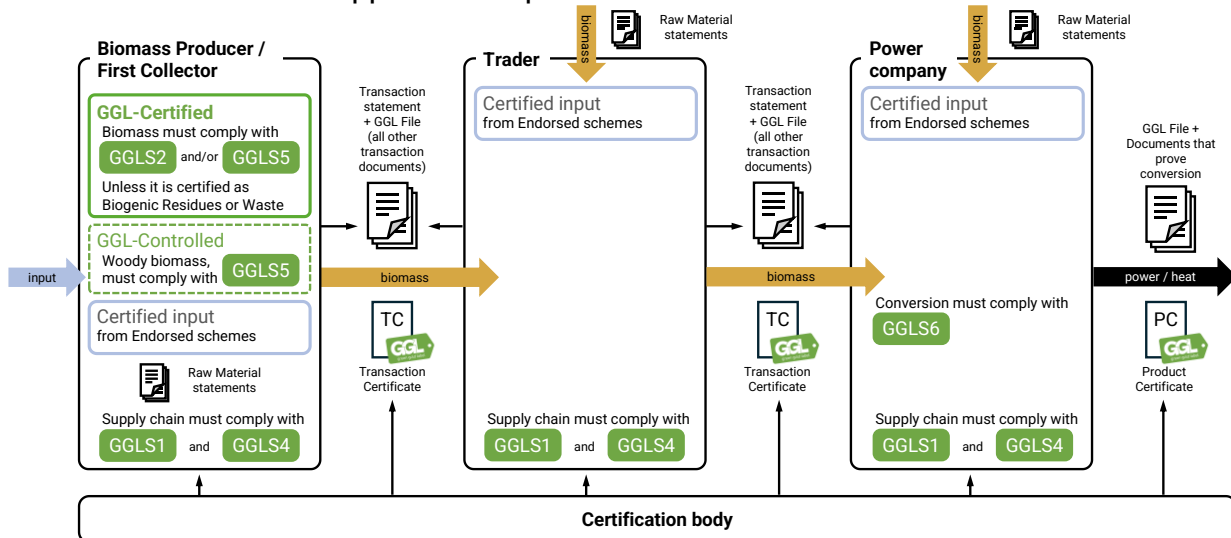


Illustration i – Applicability of GGL standards



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## Changes and transitioning

This section lists the key changes in this version v3-2 from version v3-1.

No.	Change type	Section reference	Details of change
1	Formatting	Section A	Text clarified

This section lists the key changes in this version v3-1 from version **GGLS4 – Transaction and Product Certificate Version v2-2 (March 2017)**.

No.	Change type	Section reference	Details of change
1	Content	Section A	Clarified the difference between the Transaction certificate and the Product certificate
2	Content	Section A	Clarified requirements for sale to non-certified buyers and for the timing of transactions
3	Content	Section C	Strengthened requirements for the GGL File and for mixing GGL Biomass
4	Content	Sections C, E.1 and E.2	Added GGL Scope as determining element of GGL Biomass and Participants; Strengthened differences between Transaction certificates and Product certificates
5	Content	Principle 1	Clarified requirements for the Transaction certificate to be signed by the Certification Body, and listed the GGL Scope
6	Content	Document navigation	Included document navigation and updated the illustration for clarity
7	Text feature	Changes and transitioning	Included the changelog and the transitioning procedure between the previous and current versions
8	Text feature	Glossary	Included glossary
9	Formatting	All	Changed and edited formatting, text and wording for clarity and readability
10	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	For all GGL Modules <u>except</u> the <b>SDE+ Module</b> : <ul style="list-style-type: none"><li>• 7 September 2026</li></ul>
Effective date	For all GGL Modules <u>except</u> the <b>SDE+ Module</b> : <ul style="list-style-type: none"><li>• 1 March 2027</li></ul>
End of Transition period	For all GGL Modules <u>except</u> the <b>SDE+ Module</b> : <ul style="list-style-type: none"><li>• 1 March 2028</li></ul>

To clarify: For GGL Scopes with the **SDE+ Module**, only version **GGLS4 – Transaction and Product Certificate Version v2-2 (March 2017)** of this document can be used and remains effective until further notice.

## Glossary

Term	Definition
Actual value	Actual value refers to the greenhouse gas emissions savings achieved during some or all stages of a specific biofuel, bioliquid, or biomass fuel production process. These savings are calculated according to the methodology outlined in the applicable GGL Module.
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.
Amount of GGL Biomass	This is the amount of GGL Biomass in metric ton (MT).
Audit	Formal examination and inspection by a GGL-approved Certification Body of an organization's processes and activities to verify compliance in accordance with ISO-19011. In contrast, an audit differs from an internal audit.
Batch	A quantity or consignment of biomass originating at one Point of origin and covered by one Raw Material Statement.
Biomass producer	The first participant in the GGL supply chain for woody and agricultural biomass (covering GGL categories 1, 2, 3, and 4) is known as a Biomass Producer. This entity produces raw materials through harvesting or farming activities and is responsible for delivering Raw Materials Statements. Biomass Producers are similar to First Collectors in that they represent the initial participants in the GGL supply chain.
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.
Conversion factor	The ratio of the mass of the output intended for biofuel production to the mass of the raw material entering the process.
Co-product	A useful product produced alongside the main product, not a waste or residue. As such, the co-product shares in the greenhouse gas emissions burden.
Default value	Greenhouse gas emission value attached to a batch of biomass material, listed as "default value" in the applicable GGL Module, and that may, in circumstances specified in that GGL Module, be used in place of an actual value.
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.



Term	Definition
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.
FMU / Forest Management Unit	A well-defined land area that is predominantly (>50%) forested, incorporating planned human intervention within a forest ecosystem to meet specific goals and objectives.
Foundation / GGL Foundation	The Green Gold Label Foundation owns the Green Gold Label (GGL) scheme, including all technical documents, promotional materials, logos, websites, and other intellectual properties related to GGL.
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 File	[From <b>GGLS4 - Transaction and product certificate</b> ] The records and documents used to ensure compliance with relevant regulations, including but not limited to transaction statements, compliance records, verification procedures, supply chain documentation, and transport documents.
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).
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 <b>GGL Scope definitions</b> 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.

Term	Definition
GGLedger	GGL provides an IT platform designed to serve as a current and secure register for all types of Data, including both confidential and public information. Certification bodies (CBs) are responsible for ensuring that all data within GGLedger is accurate, up-to-date, and secure.
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 <sub>2</sub> eq) makes it possible to compare them and to determine their individual and total contributions to global warming.
Installation	An installation refers to a physical production facility that generates fuel, heat, cooling, or electricity. An installation is considered to be in operation once it has begun the physical production of biofuels, biogas used in the transport sector, bioliquids, as well as heating and cooling, and electricity from biomass fuels.
Normative	Normative elements are prescriptive guidelines that must be followed to comply with scheme requirements.
Participant / GGL Participant	An economic operator that has been certified under the <b>GGL Regulation</b> 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).
PC / Product certificate	A certified statement confirming the final conversion of GGL Biomass by GGL Participants certified as a Power company, that meets the requirements of <b>GGLS4 - Transaction and product certificate</b> .
Point of origin	The location where the raw material directly originates, before its classification as GGL Biomass.
Processing	Conducting processes that alter the physical or chemical properties of biomass. For example, chipping, drying, and pelletization change the density or heating value, whereas digestion and pyrolysis modify its chemical characteristics.
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.
Site	Site refers to a specific geographical location, including logistical facilities and transmission or distribution infrastructures, characterized by defined boundaries within which products can be mixed.
TC / Transaction certificate	A certified statement of a transaction between GGL Participants that meets requirements of <b>GGLS4 - Transaction and product certificate</b> .
Transaction statement	A statement of a transaction from a GGL Participant to a non-certified buyer.



Term	Definition
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.
USI number	The unique identification number for GGL participants, Certification Bodies (CBs), and Users in GGLedger (consisting of 19 digits) is comparable to a certificate number.



## A. Introduction & scope

### A.1

The quality management system of GGL-Certified or GGL-Controlled biomass focuses on a tracing system for biomass from (residual) products and the energy produced, back to the sustainable source.

### A.2

The sustainability of the source of the biomass is proven in the GGL system by:

- Declarations of certified GGL Participants, which are verified by way of audits;
- A certified quality management system of each GGL Participant;
- Certificates on the sustainability of GGL biomass;
- Certificates of clean shipment, clean storage, and transport space;
- Transaction Certificates that guarantee that claims of GGL-Certified or GGL-Controlled have been made rightfully, by proving that the chain of custody administration complies with **GGLS1 – Chain of custody criteria**;
- Product Certificates that guarantee that the GGL Biomass has been converted into energy, does no longer exist and its GHG have been emitted.

### A.3

A GGL Transaction Certificate is issued on a defined amount of GGL biomass (such as a delivery within a contract) when it complies with the principles of **GGLS4 – Transaction and product certificate**.

### A.4

The Standard **GGLS4 – Transaction and product certificate** provides principles for 2 functional parts of the chain of custody:

1. Chain of Custody of GGL materials from the initial source down to an End-user;
2. Conversion of the GGL biomass for its final use at an End-user.

### A.5

All necessary documents for transaction certification are collected in an (electronic) document file. This GGL File contains all necessary documentation. It serves as the basis and evidence for issuing a GGL Transaction Certificate.

### A.6

When GGL biomass is sold to a buyer who is not certified, the biomass loses its GGL certification when the new buyer takes ownership and control of it (physical or not). Such a transaction may be accompanied by a non-certified Transaction statement, which is not subject to any third-party verification, even if it is generated through GGLedger.

### A.7

All GGL standards and supporting documents are considered normative unless stated otherwise.



## B. Confidentiality

The GGL File (see next section) serves as the basis of the Transaction Certificate. The information in the GGL file shall be treated as confidential by the Certification Body as defined in **GGL Regulation** section 5. The GGL file is kept for 5 years after approval or disapproval of a GGL Transaction Certificate. The GGL file can be used during accreditation audits or investigations initiated by the GGL foundation, such as arbitration. Only independent Certification Bodies that the GGL foundation accepts can perform these investigations and are bound to confidentiality as part of their accreditation.

## C. GGL File

### C.1

The delivered biomass/material shall be identified as:

- GGL-Certified, as defined in **GGLS1 – Chain of custody criteria** criterion 5.04, and/or
- GGL-Controlled, as defined in **GGLS1 – Chain of custody criteria** criterion 5.05.

### C.2

Only GGL Participants acting as sellers can apply for a Transaction Certificate.

### C.3

Multiple batches of Raw material and GGL biomass can be combined into a single Transaction Certificate between a GGL Participant and a single buyer, provided all biomass is part of the same physical mix. A single defining product name shall describe the resulting mix and shall meet the requirements of **GGLS1 - Chain of custody criteria** and applicable GGL Modules.

### C.4

The complete GGL File includes, but is not limited to, the following documents:

- Cover letter with reference to all evidence documents;
- Transaction Certificates;
- Copy of Transaction Certificates of all delivering parties (not applicable to the first party in the chain);
- Transport documents for all transports from the Point of origin to the recipient;
- Valid certificates of cleanliness of all means of transport and storage from Point of origin to recipient;
- Other support documents identified as being relevant to the certificates.

### C.5

A Transaction Certificate is drafted by the applicable GGL Participant acting as seller and submitted to its Certification Body. After review and approval by the Certification Body, the Certification Body issues a Transaction Certificate for the specified transaction between two parties on behalf of the GGL Foundation.



## C.6

A Product Certificate confirms that biomass is no longer available for transactions and has been consumed by a certified Participant per **GGLS6 – Power Company criteria**. It is issued at the end of the supply chain when Transaction Certificates and additional information (as a transaction statement) from the End-user (e.g. a power plant) are approved and reviewed by the Certification Body.

## C.7

Storage, transport and processing facilities of a GGL Participant (or its subcontractor) should always comply with **GGLS1 – Chain of custody criteria**.

## C.8

The initial Biomass producer or First collector (as the case may be), or Trader in the chain of custody that is a GGL Participant, can apply for a Transaction Certificate. All material produced by that Biomass producer or supplied to that First collector shall be accompanied by a Raw material statement as per guidance from the applicable GGL Module.

## C.9

GGL Scopes have been defined in **GGL Scope definitions**. For GGL biomass that has been certified against more than 1 GGL Scope and that is being sold by and bought by GGL Participants with the same GGL Scopes, a single Transaction certificate shall be issued stating each GGL Scope with which the Transaction certificate complies.

## C.10

The Transaction Certificate needs to be forwarded to the next party in the chain. Upon receipt, this party can request the issuance of a next Transaction Certificate as shown in Illustration i above.

Note - The GGL File provides the basis for the issuance of Transaction Certificates for all GGL Participants trading GGL biomass, being Biomass producers, First collectors and/or traders. For the conversion of the GGL biomass at a GGL Participant certified as Power company, all Transaction certificates in combination with certification per **GGLS6 -Power company criteria** of the installation can lead to the issuance of Product Certificates.

## D. Principles and Criteria

### Principle 1. Transaction Certificates shall validate compliance with the Chain of Custody criteria

- 1.01 The Transaction Certificate, as such, made by the Participant, shall comply with the following. The statement:
  - 1.01(a) Has to come from a certified Participant against at least **GGLS1 – Chain of custody criteria** and **GGLS4 – Transaction and product certificate**;
  - 1.01(b) Shall indicate the same mass as the total weight of the physical shipment or batch;
  - 1.01(c) Has to be signed by the Certification Body;
  - 1.01(d) Shall state the correct calculated total emissions from the use of the fuel (E) as covered under the **GGLS1 – Chain of custody criteria** and the specific GGL Module; and,
  - 1.01(e) Shall use the template as shown in this standard.
- 1.02 The Transaction Certificate (submitted by the Participant to the Certification Body) shall be accompanied by one or more (summaries of) valid signed Raw Material Statements, if applicable to the transaction.
- 1.03 Transport documents for all transports from the seller to the recipient should be available. Only internationally and nationally recognised transport documents (e.g. “Bill of Lading”) are valid.
- 1.04 All relevant information shall be made available to the Certification Body regarding the claimed information on the Transaction Certificate.
- 1.05 Valid certificates of cleanliness of all transport and bulk handling equipment shall cover the location from which the GGL biomass leaves the seller, until and including the location at which the recipient receives the **GGLS1 – Chain of custody criteria** material as covered by the Transaction Certificate.
- 1.06 Valid certificates of cleanliness shall comply with one of the following ways of issuance:
  - 1.06(a) Either via an independent ISO 17020-accredited inspection body; or,
  - 1.06(b) Via a non-ISO 17020 accredited inspection body meeting the same requirements, after written approval by the GGL Foundation.
- 1.07 Copies of the Transaction Certificates from previous supplier(s) shall be included.
- 1.08 The Transaction Certificate shall comply with all GHG, energy savings, and data requirements as stipulated in **GGLS1 – Chain of custody criteria** and other relevant GGL instruction documents, per the applicable GGL Module.

### Principle 2. Upon conversion of GGL biomass to energy, Power companies shall issue a Product Certificate

- 2.01 The Power Company receiving GGL-certified or GGL-controlled biomass and transferring it into energy shall request a Product Certificate based on the Transaction Certificate(s) as evidence that the material has actually been used to generate energy and not been sold onwards or used differently (for example).
- 2.02 To issue a Product Certificate, the following documents are required:
  - a) Transaction Certificate(s);
  - b) Transport documents of all included transportation;



- c) Energy production records per **GGLS6 – Power company criteria**; and,
  - d) Signed statements by the Power Company management that in the period to be covered by the Product Certificate, the designated amounts of GGL biomass mentioned on the specified Transaction Certificates have factually been fed into the energy plant and cannot be sold onwards.
- 2.03 All Product certificates shall comply with the following:
- (a) The Product Certificates shall be issued to **GGLS1 - Chain of custody criteria** certified Power companies;
  - (b) The requesting Power Company shall be **GGLS6 - Power company criteria** certified;
  - (c) The Product Certificate shall state the total amount of GGL Biomass converted in that batch. It shall also state the calculated total emissions from the use of the fuel (E).
- 2.04 The Product Certificate shall comply with all GHG and energy-savings, as well as data, requirements stipulated in **GGLS1 - Chain of custody criteria**, Principle 10, and other applicable GGL Modules.

Note - If a Power company decides not to process the biomass material itself, but to sell it to another party, the Power company will be considered a Trader, for which all relevant requirements apply.

## **E. Transaction & Product Certificate templates**

When the above-mentioned certificates, documents and statements fully comply with the relevant principles and criteria from this standard, a Certification Body can issue a Transaction or Product Certificate on behalf of the GGL Foundation. Transaction and Product Certificates shall be drafted as shown below in Sections E.1 and E.2 of this Standard, respectively.



## E.1 Green Gold Label – Transaction Certificate and its Annexes 1 and 2

<b>GGL Transaction Certificate</b>	
<b>1. GGL Certificate Number</b>	
<b>14. CB TC identification number</b>	
<b>2. Seller</b> Name of Participant and Certification number Contact person Street and number, or Post Office Box Zip / Postal code and City Country	<b>3. Buyer/consignee</b> Name of Participant and Certification number Contact person Street and number, or Post Office Box Zip / Postal code and City Country
<b>4. Product name</b> Short description of product	<b>5. Amount</b> Measured GGL Biomass amount of the transaction in MT
<b>6. Transaction date</b> Dd-Mm-Yyyy of GGL Biomass transfer of ownership and control	<b>7. Regulation per GGL Scope</b> Applicable regulation from the GGL Scope of transaction
<b>8. Transport work</b> Dispatch location (e.g., port or storage location) Destination Modality (i.e., sea, train, truck or road)	<b>9. Transport data (as applicable)</b> Bill of Lading, container or transport number Vessel name or truck license plate number(s)
<b>10. Certification Body (with logo)</b> Certification Body from the Seller to certify all data of the transaction statement from the Participant to issue the Transaction Certificate that includes signature, stamp, place and date of signing. Street and number, or Post Office Box Zip / Postal code and City Country	<b>11. GHG Emissions value (E)</b> Cumulative total GHG emissions per category as defined in GGL Modules, associated with GGL Biomass up to and including the moment of this transaction in grams of CO <sub>2</sub> -equivalent per MJ of biomass.  Specific GGL Modules define which categories of GHG emissions must be included.
<b>12. Certification statement</b> “This is to certify that the products designated above have been obtained in accordance with the appropriate Standards of the Green Gold Label Foundation, as set out and monitored by the Certification Body mentioned in Box 10. <b>The data included in this Transaction Certificate have been verified to be correct and compliant with applicable GGL requirements.</b> Notwithstanding this certificate, the legal owner of the product will remain accountable for its quality and compliance with applicable GGL requirements. Such accountability can under no circumstances be transferred to the Certification Body responsible for issuing this certificate, or the Green Gold Label foundation, as the legal owner of the GGL standards. Neither the Certification Body issuing this certificate nor the Green Gold Label Foundation can be held liable in any way based on this certificate. Only the buyer/consignee mentioned in this certificate (Box 3) is entitled to refer to the purchased GGL biomass, and only if in doing so the (aggregate) amount of purchased biomass is stated in tonnes. The seller of the product (Box 2) will not in any way be made liable for any incorrect claims that are made by its predecessors (in case of prior transactions).”	<b>13. QR Code</b> Unique QR code using an Ethereum-based decentralised ledger for public confirmation of certification status against GGLedger records



<b>Annex 1. Product information</b>				
<b>15. Product name</b>	<b>16. Amount</b>	<b>17. Lost amount</b>	<b>18. GGL Scope(s)</b>	<b>19. GGL Claim</b>
Short description of product (Box 4)	Measured GGL Biomass amount of transaction in MT (Box 5)	Amounts of GGL Biomass lost since prior transaction or origination, due to moisture content changes, handling losses, processing losses and other gains/losses (in MT)	Combination of (a) regulation(s) under which GGL is recognised per its different modules and (b) types of biomass that apply to this Transaction Certificate	Either GGL-Certified or GGL-Controlled GGL Biomass Category of material #1

<b>Annex 2. Raw material inputs</b>						
<b>20. Raw Material name</b>	<b>21. Origination</b>	<b>22. Regulatory category</b>	<b>23. GGL Category of biomass</b>	<b>24. Country of origin</b>	<b>25. Original supplier</b>	<b>30. Modular definition</b>
Name of raw material #1	Endorsed scheme YYY, or Own produce or origination of material #1	Category as per applicable regulatory GGL Module of material #1	GGL Biomass Category of material #1	Country of Point of origin of material #1	If all sellers chose to disclose – original supplier or Biomass Producer of material #1	[When applicable: module-specific code or specification of material #1]
Name of raw material #2	Endorsed scheme YYY, or Own produce or origination of material #2	Category as per applicable regulatory GGL Module of material #2	GGL Biomass Category of material #2	Country of Point of origin of material #2	If all sellers chose to disclose – original supplier or Biomass Producer of material #2	[When applicable: module-specific code or specification of material #2]
Name of raw material #3	Endorsed scheme YYY, or Own produce or origination of material #3	Category as per applicable regulatory GGL Module of material #3	GGL Biomass Category of material #3	Country of Point of origin of material #3	If all sellers chose to disclose – original supplier or Biomass Producer of material #3	[When applicable: module-specific code or specification of material #3]
Name of raw material #n	Endorsed scheme YYY, or Own produce or origination of material #n	Category as per applicable regulatory GGL Module of material #n	GGL Biomass Category of material #n	Country of Point of origin of material #n	If all sellers chose to disclose – original supplier or Biomass Producer of material #n	[When applicable: module-specific code or specification of material #4]



## E.2 Green Gold Label - Product Certificate and its Annexes 1 and 2

<b>GGL Product Certificate</b>	
<b>1. GGL Certificate Number</b>	
<b>14. CB TC identification number</b>	
<p><b>27. End-user / Power company</b> Name of Participant and Certification number Street and number, or Post Office Box Zip / Postal code and City Country</p>	<p><b>7. Regulation per GGL Scope</b> <u>Only 1 (one) single applicable regulation</u> from GGL Scope of transaction</p>
<p><b>4. Product name</b> Short description of product</p>	<p><b>5. Amount</b> Measured GGL Biomass amount of transaction in MT</p>
<p><b>28. Production period</b> Period during which GGL Biomass of this Product Certificate is converted into energy From: Dd-Mm-Yyyy To: Dd-Mm-Yyyy</p>	<p><b>29. Energy produced</b> Power produced with batch in MWh Heat produced with amount of GGL Biomass in MWh</p>
<p><b>10. Certification Body (with logo)</b> Certification Body from Seller to certify all data of transaction statement from Participant to issue Transaction Certificate that includes the signature, stamp, place and date of signing Street and number, or Post Office Box Zip / Postal code and City Country</p>	<p><b>11. GHG Emissions value (E)</b> Cumulative total GHG emissions per category as defined in GGL Modules, associated with GGL Biomass up to and including the moment of the conversion of GGL Biomass in grams of CO<sub>2</sub>-equivalent per MJ of biomass</p>
<p><b>12. Certification statement</b> "This is to certify that the products designated above have been obtained in accordance with the appropriate Standards of the Green Gold Label Foundation, as set out and monitored by the Certification Body mentioned in Box 10. <b>The designated amount of GGL Biomass (proven per Transaction Certificates) matches the energy produced in the period covered by this Product Certificate.</b> Notwithstanding this certificate, the legal owner of the product will remain accountable for its quality and compliance with applicable GGL requirements. Such accountability can under no circumstances be transferred to the Certification Body responsible for issuing this certificate, or the Green Gold Label foundation, as the legal owner of the GGL standards. Neither the Certification Body issuing this certificate nor the Green Gold Label Foundation can be held liable in any way based on this certificate. Only the End-user / power company mentioned in this certificate (Box 26) is entitled to refer to the purchased GGL biomass, and only if in doing so the (aggregate) amount of purchased biomass is stated in tonnes."</p>	<p><b>13. QR Code</b> Unique QR code using an Ethereum-based decentralised ledger for public confirmation of certification status against GGLedger records</p>



Annex 1. Product information				
15. Product name	16. Amount	17. Lost amount	18. GGL Scope(s)	19. GGL Claim
Short description of product (Box 4)	Measured GGL Biomass amount of transaction in MT (Box 5)	Amounts of GGL Biomass lost since prior transaction or origination, due to moisture content changes, handling losses, processing losses and other gains/losses (in MT)	Combination of (a) 1 <b>(one) single regulation</b> under which GGL is recognized per its different modules and (b) types of biomass that applies to this Transaction Certificate	Either GGL-Certified or GGL-Controlled

Annex 2. Raw material inputs						
20. Raw Material name	21. Origination	22. Regulatory category	23. GGL Category of biomass	24. Country of origin	25. Original supplier	30. Modular definition
Name of raw material #1	Endorsed scheme YYY, or Own produce or origination of material #1	Category as per applicable regulatory GGL Module of material #1	GGL Biomass Category of material #1	Country of Point of origin of material #1	If all sellers chose to disclose – original supplier or Biomass Producer of material #1	[When applicable: module-specific code or specification of material #1]
Name of raw material #2	Endorsed scheme YYY, or Own produce or origination of material #2	Category as per applicable regulatory GGL Module of material #2	GGL Biomass Category of material #2	Country of Point of origin of material #2	If all sellers chose to disclose – original supplier or Biomass Producer of material #2	[When applicable: module-specific code or specification of material #2]
Name of raw material #3	Endorsed scheme YYY, or Own produce or origination of material #3	Category as per applicable regulatory GGL Module of material #3	GGL Biomass Category of material #3	Country of Point of origin of material #3	If all sellers chose to disclose – original supplier or Biomass Producer of material #3	[When applicable: module-specific code or specification of material #3]
Name of raw material #n	Endorsed scheme YYY, or Own produce or origination of material #n	Category as per applicable regulatory GGL Module of material #n	GGL Biomass Category of material #n	Country of Point of origin of material #n	If all sellers chose to disclose – original supplier or Biomass Producer of material #n	[When applicable: module-specific code or specification of material #4]