



EECS Rules Fact Sheet 22

Type of Gas

The attached table sets out the permissible codes for recording the Type of Gas, Composition Purity, Gas Composition Criteria Reference and Gas Criterion Compliance on EECS Certificates for Gaseous Energy Carriers.

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|--------------------|--------------------------------------|
| Document Reference | AIB-EECS-FS22 |
| Release | 1.5 |
| Date of Issue | 14 April 2025 |
| Reason for Issue | Data field values in EECS Gas Scheme |

AIB-2024-EECSFS-22 EECS Rules Fact Sheet 22 - Type of Gas - Release 1.5 – Release 1.4



1 Type of Gas

The parameter value of the data field 'Type of Gas' on the EECS certificate for gaseous Energy Carriers, referring to the main chemical element can be one of the following:

| Identifier | | GROUP | | MEANING | Full code |
|------------|----|-----------------|----|----------------|-----------|
| Y | 00 | UNSPECIFIED GAS | 00 | UNSPECIFIED | Y0000 |
| | 01 | HYDROCARBON GAS | 01 | METHANE | Y0101 |
| | | | 02 | ETHANE | Y0102 |
| | | | 03 | PROPANE | Y0103 |
| | | | 04 | BUTANE | Y0104 |
| | | | 05 | DIMETHYL ETHER | Y0105 |
| | 02 | HYDROGEN | 00 | UNSPECIFIED | Y0200 |
| | 03 | AMMONIA | 00 | UNSPECIFIED | Y0300 |

2 Composition Purity

Whereas EECS Gas Certificates optionally contain an indication of the purity of the composition of the Type of Gas that constitutes the Output for which the EECS Certificate is issued, there are two options for recording this purity information on EECS Certificates:

- 1) by means of a decimal number having two decimals (e.g. 99,80). This numerical value refers to the minimum purity level of the range of purity values of the gas composition that is guaranteed over the relevant production period for which the Certificate was issued.

OR

- 2) by reference to a range of purity that is reported by members from time to time. Such a range shall be agreed by members and referred to by means of a 5-digit code of which the first digit constitutes of the letter R.

3 Gas Composition Criteria Reference

Where the Output complies with specific criteria relating to the physical composition of the produced gas, EECS Gas Certificates may contain a reference to the relevant criteria. This reference may be one of the following, and this list may be updated from time to time.

Reference to criteria complied with for the physical composition of the produced gas:

| Identifier | | High-level criteria | | Detailed criteria | Full code |
|------------|----|---|----|--|-----------|
| C | 00 | Unspecified | 00 | Unspecified | C0000 |
| | 01 | Network-Compatible Gas: a gas fulfilling the technical criteria for injection in the natural gas grid of the respective Domain | 00 | Unspecified | C0100 |
| | 02 | EN16723 Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network | 01 | EN16723 – 1 - Specifications for biomethane for injection in the natural gas network | C0201 |
| | | | 02 | EN16723 – 2 - Automotive fuels specification | C0202 |
| | 03 | ISO 14687 Hydrogen fuel quality — Product specification | 01 | Grade A — Gaseous hydrogen; residential/commercial combustion appliances (e.g. boilers, cookers and similar applications) | C0301 |
| | | | 02 | Grade B — Gaseous hydrogen; industrial fuel for power generation and heat generation except PEM fuel cell applications | C0302 |
| | | | 03 | Grade C — Gaseous hydrogen; aircraft and space-vehicle ground support systems except PEM fuel cell applications | C0303 |
| | | | 04 | Grade D - hydrogen for PEM Fuel Cell road vehicle application | C0304 |
| | | | 05 | Grade E - PEM fuel cells for stationary appliances (1. Hydrogen-based fuel; high efficiency/low power Applications 2. Hydrogen-based fuel; high power applications 3. Gaseous hydrogen; high power/high efficiency applications) | C0305 |



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TYPE OF GAS CODES



| | | | | | |
|--|----|------------|----|--------------|-------|
| | 04 | CO2 Origin | 00 | Unspecified | C0400 |
| | | | 01 | Biogenic | C0401 |
| | | | 02 | Non Biogenic | C0402 |

4 Gas Criterion Compliance

Where the Output to which an EECS Gas Certificate relates, complies with criteria (e.g., RFNBO or Low-Carbon Gas), this can be indicated in the optional Gas Criterion tag. This data field may take on the following parameter values:



| Gas Criteria Tag | Legislative source | Driving Criterion | Certification Scheme | Are the criteria met? | Certification Body | Reference to certification reports, certificates or other documents |
|------------------|--|--|--|-----------------------|--------------------|---|
| Unspecified | - | - | - | No | - | - |
| RFNBO | RFNBO DA (referring to Commission Delegated Regulation (EU) 2023/1184 of 10 February 2023 supplementing Directive (EU) 2018/2001 of the European Parliament and of the Council by establishing a Union methodology setting out detailed rules for the production of renewable liquid and gaseous transport fuels of non-biological origin : https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32023R1184) | One of the following list: <ol style="list-style-type: none"> 1. Unspecified 2. Onsite & <36m 3. 90%RES grid & GO 4. Low carbon grid & PPA & no subsidy & bidding zone & low price hour 5. Low carbon grid & PPA & no subsidy & bidding zone & same time period 6. Curtailment-prevented time 7. PPA & no subsidy & commissioned before 2028 & same bidding zone & low price hour 8. PPA & no subsidy & commissioned before 2028 & same bidding zone & same time period | Either: <ul style="list-style-type: none"> • One of the list on https://energy.ec.europa.eu/topics/renewable-energy/bioenergy/voluntary-schemes_en • National schemes, not explicitly recognized by EU Commission, if allowed by RED3 | Yes / No ¹ | <name> | URL or reference number and reference to the place of registration |



TYPE OF GAS CODES



| | | | | | | |
|-----------------------|---|---|--|----------|--------|--|
| | | 9. PPA & no subsidy & <36 months & same bidding zone & low price hour 10. PPA & no subsidy & <36 months & same bidding zone & same time period | | | | |
| Low-Carbon Gas | Low Carbon Gas DA (EU Delegated Act currently under consultation) | Unspecified | Either: <ul style="list-style-type: none">One of the list on https://energy.ec.europa.eu/topics/renewable-energy/bioenergy/voluntary-schemes_en or <ul style="list-style-type: none">National schemes, not explicitly recognized by EU Commission, if allowed by RED3 | Yes / No | <name> | URL or reference number and reference to the place of registration |



5 ETS/ESR eligibility tag

The EECS Gas GO may indicate whether the reduction of greenhouse gas emissions, related to the Output to which the GO refers, qualifies for accounting under the EU Effort Sharing Regulation (**Regulation (EU) 2018/842**, adopted on 30 May 2018 and amended by **Regulation (EU) 2023/857** of 19 April 2023). This information is conveyed in the so-called *ETS-ESR Eligibility Tag*.

This tag shall be filled in with a parameter value that is an alphanumerical string according to the format specified in the table below. The table furthermore explains the meaning of each parameter value.

| Identifier | High level code | | Low level code Used for such target accounting upon GO issuance | | Full code |
|------------|-----------------|-------------|---|---|-----------|
| A | 00 | Unspecified | 00 | Unspecified | A0000 |
| | 01 | EU-ESR | 00 | Production is not counted for Effort Sharing Regulation in the domain of production | A0100 |
| | | | 01 | Production is counted for Effort Sharing Regulation in the domain of production | A0101 |