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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TYPE OF GAS CODES

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

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.

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

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: 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: • 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

		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: • One of the list on https://energy.ec.europa.eu/topics/renewable-energy/bioenergy/voluntary-schemes_en or • 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