



The role of standards to deal with different hydrogen production pathways – Guarantee of Origin

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CEN/CLC/JTC 14 WG 5

 **International
Transport Forum**

EXPERT WORKSHOP

**Mapping standards for low- and zero-emission
electric heavy duty vehicles**

17-18 February 2020 – Paris, France



RED II Directive



DIRECTIVE (EU) 2018/2001 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2018 on the promotion of the use of energy from renewable sources

Article 19 **Guarantees of origin for energy from renewable sources**

6. Member States or the designated competent bodies shall put in place appropriate mechanisms to ensure that guarantees of origin are issued, transferred and cancelled electronically and are accurate, reliable and fraud-resistant. Member States and designated competent bodies shall ensure that the requirements they impose comply with the standard CEN - EN 16325.

Source
Presentation Mr Henrik Dam – EC
Guarantees of origin: legal framework
Kick off CEN-CLC/JTC 14 WG 5 7th Feb 2020

CEN/CLC/JTC 14 WG 5



CEN/CLC/JTC 14 *“Energy management and energy efficiency in the framework of energy transition”*

WG 5: *“Guarantees of Origin related to energy”*

Convenor: Daniël Pol – Vertogas

Secretariat: NEN

CEN/CLC/JTC 14 WG 5



Kick off revision EN 16325 7th February 2020

Revision EN 16325:2013+A1:2015

Guarantees of Origin related to energy -
Guarantees of Origin for Electricity

Objectives of WG 5 - Responsibility



- Revision EN 16325 compliant with RED II
 - REDII – Article 19 GoO for Energy from Renewable Sources
 - Including electricity, gases including hydrogen and biomethane, and heating and cooling
- In time with implementation date RED II: 1 July 2021
 - REDII Article 19 paragraph 6 references that member states and designated competent bodies impose requirements that comply with CEN EN 16325.
- Facilitate market actors with compliant standard
- Active participation and strong liaison management



Overall purpose of Guarantees of Origin in art 19 of RED II

*(1) [...] demonstrating to **final customers** the share or quantity of energy from renewable sources **in an energy supplier's energy mix** and in the energy supplied to consumers under contracts marketed with reference to the consumption of energy from renewable sources[...]*

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Presentation Mr Henrik Dam – EC
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Scope of GOs (extended)

(2) [...] MS **shall** ensure that a GO is issued in response to a request from a producer of **energy from renewable sources** [...] MS **may** arrange for GOs to be issued for **energy from non-renewable sources**. [...]

Default principle: mandatory issuance for producers from RES that ask for it, be it electricity, H&C, or gas (including hydrogen).

Optional issuance for non-RES

GO and RED II targets

(2) [...] no function in terms of a Member State's compliance with Article 3 [RED II targets]. Transfers of guarantees of origin, separately or together with the physical transfer of energy, shall have no effect on on the calculation of the gross final consumption of energy from renewable sources in accordance with Article 7. [...]

No links to physical transfer (incl Mass balance system) as prescribed by art 27-30 in RED II. Further clarified in recital 55 : GO can be " transferred, independently of the energy to which it relates, from one holder to another "

No links to target achievement (Incl supplier obligation in transport)

More harmonised administration

(3) [...] valid for 12 months after the production of the relevant energy unit [...] expire at the latest 18 months after the production of the energy unit [...]

(4) For the purposes of disclosure [...], MS shall ensure that energy companies cancel guarantees of origin at the latest six months after the end of the validity.

(6) [...] MS and designated competent bodies shall ensure that the requirements they impose comply with the standard CEN - EN 16325.

The directive now gives harmonised timelimits for validity, use (for disclosure) and expiration.

Compliance with CEN - EN 16325 is required

Source

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Status on implementation

Article 36 (1) Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with Articles .. 15 to 31 ..., by 30 June 2021..



The directive entered into force 24th of December 2018.

Flanders was the first to inform the Commission on their transposition of article 19 on the 14th October 2019.

The majority of Member States are expected to transpose in the 2nd half of 2021.

Source

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Aim of Tender C1-2019-517

***Technical** support for the facilitation of the standardisation process and ensuring an **effective migration of the technical infrastructure** with the competent bodies*

Focus on the technical aspect and enabling competent bodies to have necessary infrastructure in place

The tender background acknowledges that the **majority** of the **current** transactions related to issuing, transferring and cancellation are based on the European Energy Certificate System (EECS)

Implemented as a service contract where the European Commission owns all results and deliverables.

"Technical support for RES policy development & implementation.

Establishing technical requirements
& facilitating the standardisation process
for guarantees of origin
on basis of Dir (EU) 2018/2001".

Source



Aim



Establish:

1. An upgraded GO system
2. A Cost-efficient implementation of REDII in member states
3. Standardisation of guarantees of origin in EN16325

By:

- Synchronising EECS & EN16325 on REDII (incl. multi-energy carriers)
- Improving software requirements for cross border GO exchange
- Strengthening anti VAT-fraud measures
- Improved statistics
- Residual mix update consultation
- Broad stakeholder consultation

Source

FaStGO - Outline
www.fastgo.eu



1. Map currently existing standardisation frameworks
2. Specify technical requirements for extended coverage of GOs
3. Specify IT systems and requirements for associated infrastructure for cross-border exchange of GOs for all energy carriers
4. Develop systems for EU-based market supervision statistics
5. Develop methodologies for enhanced prevention of financial fraud
6. Processes for stakeholder consultation and organisation of workshops to validate deliverables

Source



Contributing organisations



- AIB
- CertiQ
- EEX
- RECS International
- Grexel
- Gaia
- Hinicio
- ERGAR
- European Biogas Association

Source



Katrijn Verwilt
Project Leader FaStGO



Recommendations kick off GoO – revision EN 16325



Revision of EN 16325:

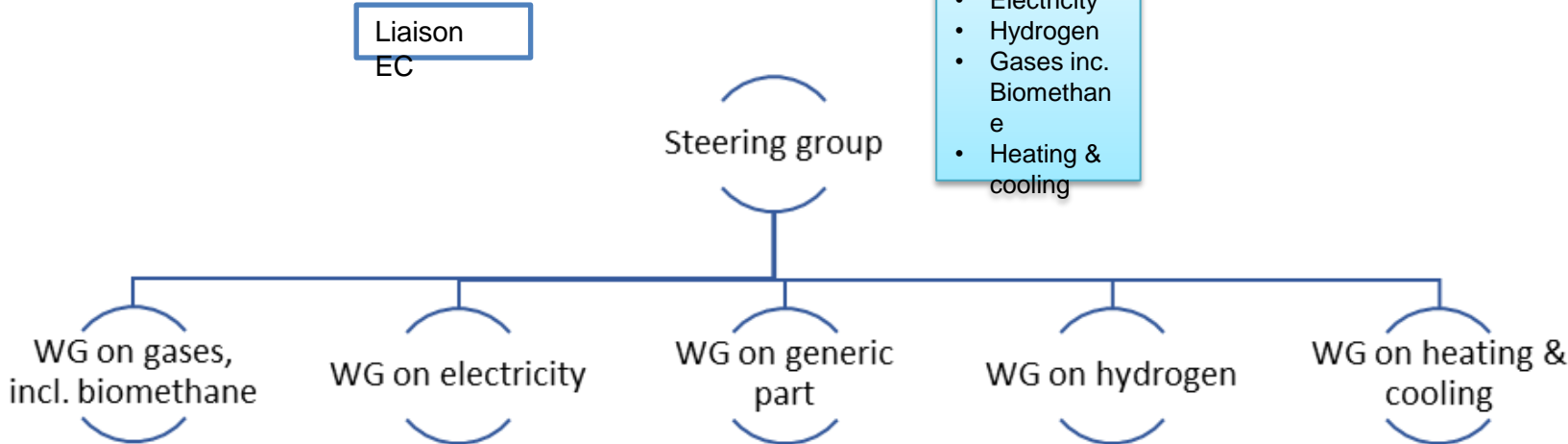
Recommendation to include besides electricity from renewables, the energy carriers:

- gaseous hydrocarbons - incl. biomethane,
- Hydrogen (already agreed by CEN/CLC/BTs)
- Heating and cooling.

Recommendations kick off GoO – EN 16325 - Working structure



- Convenor
- Secretariat
- FaStGO
- Electricity
- Hydrogen
- Gases inc. Biomethane
- Heating & cooling



Recommendations kick off GoO – EN 16325 - Time table



- Now until 9 March 2020, with steering group:
 - Outline topics to be dealt with
 - Prioritize to 1st and 2nd phase
- Meeting: 9 March WG plenary
 - To achieve consensus on proposal steering group
 - Split up in project teams to start work
 - Half a day plenary to wrap up and next actions
- Meeting early April
- Meeting early May
- Meeting mid July: to achieve consensus on first draft
- Meeting mid August: to agree on final text

Timetable aligned with FaStGO project



Questions

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