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Sustainability and greenhouse gas emission saving criteria for biomass for energy applications - Principles, criteria, indicators and verifiers - Part 1: Terminology

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Sustainability and greenhouse gas emission saving criteria for biomass for energy applications - Principles, criteria, indicators and verifiers - Part 1: Terminology

Critères de durabilité et de réduction d'émissions de gaz à effet de serre pour la biomasse destinée à des applications énergétiques - Principes, critères, indicateurs et vérificateurs - Partie 1 : Terminologie

Nachhaltigkeitskriterien für die Herstellung von Biokraftstoffen und flüssigen Biobrennstoffen für Energieanwendungen - Grundsätze, Kriterien, Indikatoren und Prüfer - Teil 1: Terminologie

This European Standard was approved by CEN on 21 July 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 16214-1:2024 (E)

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European foreword

This document (EN 16214-1:2024) has been prepared by Technical Committee CEN/TC 383 “Sustainably produced biomass for energy applications”, the secretariat of which is held by SFS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2025, and conflicting national standards shall be withdrawn at the latest by May 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 16214-1:2012+A1:2019.

EN 16214-1:2024 includes the following significant technical changes with respect to EN 16214-1:2012+A1:2019:

- The document has been updated to be in accordance with the current edition of the sustainability criteria of the European Commission Directive 2018/EU/2001, the recast of the Renewable Energy Directive (RED II). In particular, the RED II introduces sustainability criteria for forest biomass and the directive has also been extended to include solid biomass.

At the time of publication of this document, Part 1 and Part 3 of the standard series have been updated in accordance with RED II, while Part 2 and Part 4 have not been updated and thus follow European Commission Directive 2009/28/EC (RED).

This European Standard comprises the following parts:

- EN 16214-1, *Sustainability and greenhouse gas emission saving criteria for biomass for energy applications — Principles, criteria, indicators and verifiers — Part 1: Terminology*;
- CEN/TS 16214-2, *Sustainability criteria for the production of biofuels and bioliquids for energy applications — Principles, criteria, indicators and verifiers — Part 2: Conformity assessment including chain of custody and mass balance*;
- EN 16214-3, *Sustainability and greenhouse gas emission saving criteria for biomass for energy applications — Principles, criteria, indicators and verifiers — Part 3: Sustainability criteria related to environmental aspects*;
- EN 16214-4, *Sustainability criteria for the production of biofuels and bioliquids for energy applications — Principles, criteria, indicators and verifiers — Part 4: Calculation methods of the greenhouse gas emission balance using a life cycle analysis approach*.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 16214-1:2024 (E)**Introduction**

In December 2018, the recast Renewable Energy Directive 2018/2001/EU (RED II) entered into force, as part of the Clean energy for all Europeans package, helping the EU to meet its emissions reduction commitments under the Paris Agreement. In RED II, the overall EU target for Renewable Energy Sources consumption by 2030 has been raised to 32 %.

The RED II specifies a series of sustainability and greenhouse gas emission savings criteria that biomass for energy applications shall comply with to be eligible for financial support by public authorities. Some of these criteria are the same as in the original RED, while others are new or reformulated. In particular, the RED II introduces sustainability for forestry feedstocks as well as greenhouse gas emission savings criteria for solid and gaseous biomass fuels.

It is widely accepted that sustainability at large encompasses environmental, social and economic aspects. However, this standard series only covers a selection of environmental aspects since the standard series has been developed with the aim to assist EU Member States and economic operators with the implementation of RED II. This standard series is therefore limited to certain aspects relevant for a sustainability assessment of biomass produced for energy applications. This means that compliance with this standard series or parts thereof alone does not substantiate claims of the biomass being produced sustainably.

1 Scope

This document specifies the terminology to be used in the field of sustainability and greenhouse gas emission saving criteria for biomass for energy applications. This document specifically considers some relevant terms and definitions used in European Commission Directive 2018/EU/2001, the recast of the Renewable Energy Directive (RED II), and the European Commission Directive 2009/30/EC referred to as Fuel Quality Directive (FQD), or in other related European regulations.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN