



Key changes to the REDcert-EU scheme

Overview

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Scheme principles	Changes
<p>General information</p>	<p>Geographic scope of application expanded (3)</p> <p>Differences from the SURE scheme explained (3)</p> <p><u>Extensive editorial changes:</u></p> <ul style="list-style-type: none"> • Structure and staffing of the REDcert bodies changed (4) • Annexes (definitions) updated • Recognition of other certification schemes described (5.8) <p>Integrity management measures put a separate document</p>
<p>Mass balancing</p>	<p>Multiple crediting explicitly prohibited</p> <p>If the products are also included in other subsidised systems, this must be explicitly stated</p> <p>In the case of processes with several end products that are further processed/handled as biomass/biofuel, a separate mass balance must be drawn up for each of these products in accordance with the conversion rate</p> <p>The max. mass balance period is unchanged at 3 months (temporary shortfall is permitted)</p> <p>For companies in the “production” (agricultural and forestry biomass) and “collection” phase, a maximum mass balance period of up to 12 months is allowed (a temporary shortfall is not allowed at any point during this period!)</p> <p>As before, the transfer of a credit balance from one closed balance sheet period to the next period is only permitted if this credit balance is covered by physically available stocks.</p> <p>The EU gas grid represents a uniform spatial boundary for mass balancing which biomethane can be fed into and out of according to the above-mentioned rules. For cross-border trade and transport, specific requirements for the provision of proof apply (not yet finalised)</p>

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Production	<p>New wording in section 4.1.4:</p> <p><i>“Biofuels, bioliquids and biomass fuels may not be produced from biomass obtained from land that is larger than 1 hectare and that was protected as highly biodiverse grassland in or after January 2008, whether or not the land still has that status. Areas smaller than 1 hectare are exempt from this prohibition on use.”</i></p> <p>New sections added on protection of soil structure (4.4.1), prevention of soil compaction (4.4.2), prevention of soil compaction (4.4.3), preservation of natural structural elements in fields (4.4.4), preservation of soil organic matter (4.4.5)</p> <p>In section 4.4.9, a new paragraph was added about the use of WHO chemicals classified as 1a and 1b and chemicals listed in Annex III of the Rotterdam Convention</p> <p>An additional reference to the land database in section 4.7.4.2 was included</p> <p>A new guideline for the classification of a material as waste, residue (production residue), product or by-product as well as a decision tree and a classification table were added in the new section 5.1</p>
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GHG	<p>1) Formula changed:</p> <p style="margin-left: 40px;">Formula element e_{ee} eliminated.</p> <p>2) New GHG reduction value:</p> <p style="margin-left: 40px;">5% for commissioning as of 1 January 2021</p> <p>3) New fossil reference values (see table)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #4F81BD; color: white;"> <th style="padding: 5px;">Fossile Vergleichsgröße</th> <th style="padding: 5px;">Wert (gCO_{2eq}/MJ)</th> <th style="padding: 5px;">Wert (gCO_{2eq}/MJ)</th> </tr> <tr style="background-color: #D9E1F2;"> <th></th> <th style="color: #0070C0;">RED I</th> <th style="color: #0070C0;">RED II</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Otto- und Dieselmotorkraftstoff</td> <td style="padding: 5px;">83,8</td> <td style="padding: 5px;">94</td> </tr> <tr> <td style="padding: 5px;">Flüssige Biobrennstoffe zur Elektrizitätserzeugung</td> <td style="padding: 5px;">91</td> <td style="padding: 5px;">183</td> </tr> <tr> <td style="padding: 5px;">Flüssige Biobrennstoffe zur Wärmeerzeugung</td> <td style="padding: 5px;">77</td> <td style="padding: 5px;">80</td> </tr> <tr> <td style="padding: 5px;">Flüssige Biobrennstoffe für die KWK</td> <td style="padding: 5px;">85</td> <td style="padding: 5px;">-</td> </tr> </tbody> </table> <p>4) Change in fossil CO₂ equivalents (see table)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Treibhausgas</th> <th colspan="2" style="padding: 5px;">CO₂-Äquivalenz</th> </tr> <tr style="background-color: #D9E1F2;"> <th></th> <th style="color: #0070C0;">RED I</th> <th style="color: #0070C0;">RED II</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">CO₂</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">1</td> </tr> <tr> <td style="padding: 5px;">N₂O</td> <td style="padding: 5px;">296</td> <td style="padding: 5px;">298</td> </tr> <tr> <td style="padding: 5px;">CH₄</td> <td style="padding: 5px;">23</td> <td style="padding: 5px;">25</td> </tr> </tbody> </table> <p>5) Slurry bonus creditable to O_{esca}</p> <p style="margin-left: 40px;">45 gCO_{2eq}/MJ Mist/Gülle (54 kg CO_{2eq}/t FM)</p> <p>6) Bioliquids</p> <p style="margin-left: 40px;">Energy conversion into produced electricity and/or heat or cold to be calculated additionally</p>	Fossile Vergleichsgröße	Wert (gCO _{2eq} /MJ)	Wert (gCO _{2eq} /MJ)		RED I	RED II	Otto- und Dieselmotorkraftstoff	83,8	94	Flüssige Biobrennstoffe zur Elektrizitätserzeugung	91	183	Flüssige Biobrennstoffe zur Wärmeerzeugung	77	80	Flüssige Biobrennstoffe für die KWK	85	-	Treibhausgas	CO ₂ -Äquivalenz			RED I	RED II	CO ₂	1	1	N ₂ O	296	298	CH ₄	23	25
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	<p>Calculation via:</p> <ul style="list-style-type: none"> • Efficiency • fraction of exergy in the electricity, and/or mechanical energy, set to 100% • Carnot efficiency (fraction of exergy in the useful heat) <p>7) Balancing of GHG emissions GHG emissions from substrate mixtures in biogas production may be balanced</p>
<p>Neutral inspections</p>	<ol style="list-style-type: none"> 1) Scheme principles restructured 2) Terms and definitions changed 3) Scheme audits expanded to include mandatory surveillance audits for waste and residues, which must be carried out after initial certification 4) Special audits expanded to include additional audit types 5) Different audit methods described 6) Assessment of audit results changed 7) Definitions of "non-conformities" added 8) Description related to corrective measures, timeframes and impacts added 9) The "document check" contains additional requirements related to the mass balance 10) Group certification defined and described in more detail; now also applies to "waste and residues" 11) Detailed description of the audit/certification process 12) Requirements for certification bodies supplemented. 13) New sections "QM system and documentation" added

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	14) Requirements for REDcert auditors supplemented with greenhouse gas balancing, waste and residues, training, etc.
Integrity management	Scheme principles "Sanction system", "Complaint management system" and "REDcert integrity and quality assurance measures" of the neutral inspections scheme principles were merged and further developed.