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This questionnaire has been developed by the CA-RES WorkingGroup 10 (on Guarantees of Origin)

It contains about 50 questions and it's purpose is twofold:

To start with it contains 50 important questions to be asked when designing a coherent GO-system, connected in a proper way to electricity disclosure. We recommend basic implementers use these questions to make sure the design of their national system does not contain any loopholes.

Furthermore it is aimed at providing member states with an outline on how to assess the GO system and disclosure of *other* member states. Answers to this questionnaire should be provided before any import of Guarantee of Origin should be considered as full transparency must be provided about operations relating to GO and disclosure (c.f. Art. 15 RES Directive).

General comment: links to relevant legal documents and to websites should be included in this document where possible. Also form templates used in your domain e.g. for applications can be attached.

General Contact Information	Member state response
Country	
Name and type of the Competent Body for running the GO system(e.g. TSO, NRA, Market Operator, Government Agency)	
<i>a. Geographic domain(country or region)</i>	
<i>b. Including offshore? (Y/N)</i>	
<i>c. Date this GO- registry became legally operational:</i>	
<i>d. Address</i>	
<i>e. Contact person</i>	
If the competent body is not the issuing	

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body, and did delegate or mandate the daily operational business to issue GO, please do specify the contact details of the issuing body and please provide proof of appointment to issue these certificates.  <i>(Reference to regulation or formal letter of appointment)</i>	
Transfer to other registries since / or planned to become operational by:	
Previous Issuing Body(ies)	
<i>a. Operative from - to</i>	
Responsible organisation for disclosure (to be filled out only if not identical to the Competent Body for GO above)	
<i>a. Address</i>	
<i>b. Contact person</i>	
Web link Internet pages (general info page) to the responsible bodies for issuing GO and disclosure.	

Criteria / Question	Information	Member state response
Implementation of Art. 3 (9) of the Directive 2009/72/EC (on electricity disclosure) by the Member State		

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Criteria / Question	Information	Member state response
1) Are disclosure laws and procedures in place? (Y/N) <i>If not: please state, when it is intended to have the national framework in place and move to question 8 below.</i>		
<i>a. What are the laws and regulations?</i>	<i>Reference and detailed description, particularly including the linkage between GO and disclosure</i>	
<i>b. When did the regulation(s) regarding disclosure come into force? If not when will they become effective?</i>		
<i>c. Who is the responsible body for disclosure?</i>		
2) How is electricity of renewable energy disclosed? Which tracking system(s) can be applied?	<i>Describe</i>	
3) Is the amount of energy corresponding to GOs transferred by an electricity supplier to a third party deducted from the share of energy in its energy mix for the purposes of disclosure? (Art. 15 (8) 2009/28/EC)	<i>Describe and Reference</i>	

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4) In some countries domestic GOs or certificates different from RL 2009/28/EC GOs are being used. Does this concept exist within your country and do you treat them differently when it comes to disclosure – if so, how?	<i>Describe</i>	
5) Do you apply the RE-DISS residual mix calculations for untracked electricity? If not how is electricity of unknown origin disclosed?	<i>Describe; preferably use a written formula</i>	
6) Who is responsible to calculate the residual mix?		
7) Do you apply the RE-DISS recommendations on deadlines within the disclosure process mentioned hereafter (Y/N) if not: What are the deadlines for this step in the disclosure process?		
<i>a. Deadline for cancellation of GOs</i>		
<i>b. Date when the residual mix will be published</i>		
<i>c. Publication of the fuel mix of the previous year by supplier</i>		
<b>The issuing member state has implemented Art. 15 of the Directive 2009/28/EC</b>		

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8) On what legal basis is Art. 15 of the RES Directive implemented? What are the laws and regulations?	<i>Reference and detailed description (meaning web link or pdf) of law AND applicable regulations or by-laws. Preferably also with guidance on which articles do apply.</i>	
a. <i>From which production date did the national GO fulfil all criteria of Directive 2009/28? (Or when is it planned to have this framework in place?)</i>		
b. <i>If applicable: Which requirements have not yet been implemented?</i>		
9) What is the procedure for issuing a GO? (Art. 15 (2) 2009/28/EC)	<i>Describe the process how a production device will be registered and in which way the production data will be collected. Please elaborate on the question in which way there is an independent check or audit on this information and by whom.</i>	
10) What is the regulation for the expiry and “use” of certificates as stated in article 15(3) of the RES Directive 2009/28/EC?	<i>Describe and Specify (please elaborate especially on the definition of production period – month, calendar month, year, etc?)</i>	

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11) Is the appointed competent body the only competent body in your country? (Art. 15 (4) 2009/28/EC)		
a. If there is more than one, how are responsibilities separated from each other and/or how are geographic regions defined?		
12) If the daily operations have been handed over to another body do you supervise the issuance, transfer and cancellation of GO? (Art. 15 (4) 2009/28/EC)	<i>Please explain: how is it done? What kind of measures have been taken and by whom (e.g. competent body, regulator)?</i>	
13) Ownership and type of organisation of the issuing body (e.g. private company, government department, energy regulator, TSO)	<i>Owner &amp; type</i>	
a. Is the company independent of production, trade or supply activities? (Art. 15 (4) 2009/28/EC)		

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<p>The issuing member state ensures that</p> <p>no more than one GO is issued in respect of each unit of energy produced and</p> <p>that the same unit of energy from renewable sources is taken into account only once (Art. 15 (2) 2009/28/EC).</p>		
<p>14) What kind of GOs can be used for disclosure and in what way?</p>	<p><i>Describe; e.g. relationship between CHP-GO and RES-GO</i></p>	
<p>a. <i>If there are more than one, what kind of measures have you taken to prevent multiple issuance of GO for the same amount of energy?</i></p>	<p><i>Describe</i></p>	
<p>15) Can renewable energy be disclosed in any other way than using GOs (e.g. bilateral contracts or other types of certificates, like industry based schemes)?</p>		
<p>a. <i>If so, what kind of measures have you taken to ensure that the same unit of energy is taken into account only once?</i></p>		

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16) Do other registry systems in your domain exist which can be used for disclosure purposes (e.g. private certificate schemes)?		
a. <i>If so, how do you align the databases?</i>		
17) What technical measures have you taken to prevent double counting of GOs?	<i>Describe</i>	
18) When importing GOs: What measures have you taken to ensure that exported GO are not used anymore in the exporting or any other state?	<i>Specify</i>	
19) Have exported and cancelled quantities of electricity been deducted from the residual mix?		
<b>The issuing member state ensures the function of GO (Art. 15 (2) 2009/28/EC).</b>		
20) Are GOs only being used for disclosure? (Y/N)	<i>If no, please specify some more by answering the questions below</i>	
a. <i>What type(s) of support scheme(s) are in place?</i>	<i>Please describe the support schemes that have been notified to the commission and that can be applicable to producers of renewable energy</i>	



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<i>b. Are GOs also used as a proof for national support schemes?</i>		
<i>c. Do GOs have any other function within the scope of the national support scheme?</i>		
<i>d. How do these support and disclosure schemes inter-relate?</i>	<i>Describe (e.g. how supported electricity is disclosed)</i>	
<b>The Registry system is electronic, accurate, reliable and fraud-resistant (Art. 15 (5) 2009/28/EC).</b>		
21) Do you have an electronic registry?		
<i>a. If so, who developed &amp; operates it?</i>	<i>Identity of developer and operator</i>	
<i>b. What technology (e.g. database, spreadsheet )?</i>		
22) Do you issue, transfer and cancel GOs for the standard size of 1 MWh?	<i>Please also specify if there are any exceptions to the general rule.</i>	
23) Are the EECS-Rules implemented by the issuing body?		
24) What measures have you taken to ensure sufficient IT-security?	<i>Describe and specify. Please elaborate especially on the way to get access to accounts (fraud resistance)</i>	

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25) What measures have you taken to ensure validity of the GO content?	<i>Describe (e.g. electricity is only measured by gauged electric meter; audits of production data, onsite inspections)</i>	
26) What measures have you taken to ensure that only one GO is issued for each unit of energy produced?	<i>Describe</i>	
27) Do you have written procedures for operating your GO system? If so, please specify.		
28) What measures have you taken (or would you be prepared to take):		
<i>a. to limit financial risk to other issuing bodies as a result of (e.g. trading disputes between accountholders)?</i>		
<i>b. to limit fraudulent behaviour? (e.g. multiple issuing, transfer and cancellation – for example, inspection of plant)</i>		
29) Which parts of your operations are (or might be) outsourced, and to whom?	<i>Specify</i>	
30) Do you (plan to) issue separate GOs for domestic and international markets? If so, how are these related and how do you prevent double counting?		

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31) Can certificates be altered once they have been issued? If yes, how, and in what circumstances?		
32) Please describe the regulation for metering of electricity production for issuing of GO in your domain.	<i>Describe, including information on the authorised measurement body, way of provision of meter readings, estimation and profiling, as well as measurement of input/output for combustion fuels</i>	
c. Do you issue on any basis other than meter readings?	<i>Describe (if "yes")</i>	
d. Do you issue certificates for nett or gross output?		
e. If you issue for gross output, how do you handle onsite demand, pumped storage and auxiliaries?	<i>Describe</i>	
f. How do you handle the situation that only one meter provides production data for more than one plant?	<i>Describe (e.g. an accredited organisation to differentiate, a formula by the plant operator, a pro rata)</i>	
33) How do you issue GO for biomass plants (100% biomass)?	<i>Describe and explain</i>	
34) How do you issue certificates for co firing plants and on what basis do you allocate biomass?	<i>Describe and explain (e.g. we use a formula to calculate biomass percentage, there will be an audit etc)</i>	

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34a) How do you issue certificates for waste incinerators and on what basis do you allocate waste (biomass)?	<i>Describe and explain</i>	
35) What are the production periods for production devices in your domain? Are there any exceptions?	<i>Specify (e.g. "monthly but for small scale PV which will be issued yearly")</i>	
36) How often do you issue GOs?		
37) What are the procedures regarding backward issuing?	<i>Describe</i>	
38) How are production device registrations verified in your domain?	<i>Specify, including process, verified documents and list of registered parameters</i>	
39) What is the frequency and process with which production devices are inspected in your domain?	<i>Describe, including conduct of audits/ad-hoc audits, criteria for selection of auditor scope of audit, process for addressing corrective action</i>	
40) How do you handle errors within registered information and within GOs?	<i>Describe and specify for the categories metering errors, resettlements and other errors.</i>	
41) Within your domain, do certificates always expire within 12 months of the end of the production period? (Note that expired means something else than cancelled.)		
a. <i>If not, when do they expire?</i>	<i>Specify</i>	

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<i>b. What happens with expired certificates?</i>		
<b>Issued GOs include the minimum content (Art. 15 (6) 2009/28/EC)</b>		
42) Energy source from which the energy was produced		
43) The start and end dates of production		
44) Electricity; heating or cooling		
45) Identification number, location, type and capacity of the installation		
46) Investment support	<i>Yes/ no, type and scope</i>	
47) Funding by any support scheme	<i>Yes/ no, type and scope (including all the support schemes that have been notified to the commission and that can be applicable to producers of renewable energy.)</i>	
48) Date when installation became operational		
49) Date of issue		
50) Issuing State		
51) Unique Identification number of GO		

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52) Do you use additional information on GOs like labels or additional info on the sustainability of biomass? What measures have you taken to ensure the reliability of the additional information and do you want this information to be transferred between national registries?	<i>Describe and specify</i>	
<b>Additional Questions</b>		
53) Are you a member of AIB? Or do you plan a membership of AIB, or to use the Hub without AIB membership?	<i>Membership or Use of Hub</i>	