

CertifHy
WG1 “GO scheme and procedures”
 Date: 28/02/2018
 Meeting
Minutes of Meeting (MoM); Version 0.4

LBST	Participants
<ul style="list-style-type: none"> - Matthias Altmann (MA) - Patrick Schmidt (PS) 	<ul style="list-style-type: none"> - Guy de Réals (Air Liquide, WG1 co-chair) - Andreas Wolf (AGCS) - Bernard Gindroz (BMGI Consulting / CEN-CENELEC) - Thomas Young Hwan Westring Jensen (Energinet.dk) - Koen De Clercq (Colruyt) - Denis Thomas (Hydrogenics) - Michelle Morton (Shell) - Robert Judd (GERG) - Alexander Simmat (H&R) - Sylvie Denoble-Mayer (Engie)

Item	Objectives
1. Welcome	<ol style="list-style-type: none"> 1. Introduction 2. Objectives 3. State-of-work WGs

Points of discussion

Welcome by Guy de Réals in his function as co-chair of WG1.

- Guy welcomes all participants.

Matthias Altmann introduces this meeting’s objectives in his function as WG1 coordinator:

- Discuss current draft CertifHy scheme document in view of necessary adjustments for pilot phase
- Discuss current draft CertifHy procedures (flow charts) as a basis for procedure text elaboration

Brief self-introduction of meeting participants around the table.

Upon ad-hoc request, update on other Working Group’s status:

- WG2 | Producers
 - o Detailed check of calculations of GHG balance of pilots
 - o Preparing the pilot audits
- WG3 | Users
 - o A survey was held regarding the necessary level of detail of information provided by GOs
 - o Capacity building regarding CertifHy 1 lessons is on-going for a common knowledge base
- WG4 | Regulatory
 - o RED recast is a key topic: GOs may not be for target compliance, but for disclosure/traceability
 - o Guarantees of Origin vs. Green Certificates

Action points	- none
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Item	Objectives
2. Open issues of last WG1 webinar	1. Follow up on open issues from WG1 webinar on 15 January 2018
Points of discussion	
<ul style="list-style-type: none"> - RED II (recast) development has entered the trilogue phase: <ul style="list-style-type: none"> o NOW (Germany) has a good slide set on current positions in the RED II debate o Denis Thomas makes available a summary of relevant aspects including the positions of Hydrogen Europe o WG1 coordinator to ask WG4 (regulatory) opinion regarding the current state of development - H2 standard conditions (functional unit): <ul style="list-style-type: none"> o WG2 methodology discussions are on-going on this o Current definition status is: H2 purity of 99.9% and nominal pressure of 20 MPa - All other action points are done 	
Action points	<ul style="list-style-type: none"> - Matthias Altmann will send summary of relevant RED II aspects including Hydrogen Europe positions to WG1 (offline note: sent on 1st March) - Matthias Altmann to ask WG4 for opinion regarding the current state of development (offline note: feedback from WG4 coordinator is that WG4 discussions are ongoing)

Item	Objectives
3. CertifHy scheme document	1. Discuss current draft CertifHy scheme document in view of necessary adjustments for pilot phase
Points of discussion	
<p><i>Matthias Altmann explains the current development status of the CertifHy Scheme document (see slides 4 through 20):</i></p> <ul style="list-style-type: none"> - Slide 5: “Subsidiary Documents” (SD) to be added in the structure. - Slide 11: <ul style="list-style-type: none"> o Discussion regarding EU-wide versus national implementation o “Production Device” is a bit hanging loose in the chart; the arrow is irritating o Add “Javier Castro” to specify the Auditor for the pilots o Overall diagram should be improved especially with regards to readability (font size) o Add “Pilot” in the heading/diagram to make clear that the bodies assigned to roles may be proxies - Slide 12: <ul style="list-style-type: none"> o 2.1: “Double counting” w.r.t. same and different sustainability attributes and w.r.t. same and different uses o 2.3: No re-bundling and re-labelling of GOs to produce derivatives o 2.4: GO ownership qualifies for trading o 2.5: Change “EECS” to “CertifHy” - Slide 13: <ul style="list-style-type: none"> o CertifHy should not “incentivise”, but rather provide a transparent information basis, suggests Guy de Réals. Providing solid data grounds for monitoring, reporting and verification needs is supported by the participants. o Discussion on “environmentally, socially and economically” aspects of sustainability → Decision: Keep all three attributes, it’s an ambition - Slide 14: <ul style="list-style-type: none"> o Definition of use of H2 GOs o Question why H2 GO production and use is confined to the European Union. Discussion regarding pros and cons for a geographic scope beyond EU Member States, i.e. including Switzerland, Norway, 	

- and others (e.g. EEA+, CEN 43 member countries). Guy de Réals suggests to explicitly state in the Scheme documents that Account Holders in fact can be situated outside the EU. Conclusion: include EU, EEA and Switzerland; relevant are locations of production devices and points of GO use.
- o Discussion regarding “book & claim” versus “mass balance”. Conclusion: CertifHy is based on “book & claim”
 - Slide 15:
 - o Guy de Réals: Include definition of H2 quality
 - o Denis Thomas: Delete definition of “face value”.
 - o The 1 MWh unit per H2 GO is discussed and found adequate. Add “based on lower heating value”.
 - Slide 16:
 - o The difference between the CertifHy scheme as such and the CertifHy products/labels is explained by Guy de Réals.
 - o To avoid misunderstandings, “products” shall be renamed to “labels”.
 - Slide 17: Guy de Réals: Add “based on the lower heating value” next to the functional unit of 1 MWh
 - Slide 18:
 - o It is suggested to produce a graph that visualises which information is to be available where, e.g.
 - GO content: Database, Audit report
 - Cancellation Statement
 - o A discussion on “double subsidy” is considered important. Thomas Jensen to provide input from a double subsidy settlement between Denmark and Germany.
 - o A data field for “Country” should be added. This may be important for certain markets. Example: There are French Departments that allow use of local GOs only.
 - o The case of “expiry time” is a topic for higher-level discussions in the CertifHy Stakeholder Platform. Example: Biogas GO in Austria and Germany do not expire at all. Others have 3 months, 1 year, etc.
 - o The data field for fuels should be expanded to ten input fuels and their respective share of total fuel input .
 - o Rename “support” to “financial support”
 - Slide 19: To avoid misunderstandings, “products” shall be named “labels”
 - Slide 20:
 - o The question is raised who is responsible to check consumer claims associated with GO cancellation. After discussion, it is decided to put this question forward to WG2, WG3 and the Steering Group for discussion.
 - o To avoid misuse and increase the verifiability of GO cancellations and attributed claims for disclosure, the GO cancellation statement must be as specific as possible with regards to its use, e.g. who, for what, for whom, for when, where, etc.
 - o Both hydrogen suppliers and end-consumer should be allowed to be Account Holders and should be able to Cancel CertifHy GOs.
 - o It should be kept open whether an Account Holder is a hydrogen supplier and/or end-consumer.
 - Annex A/B:
 - o Guy de Réals suggests to amend a number of missing
 - fuels such as by-product, ammonia, methylcyclohexane; and
 - technologies, such as gasification, pyrolysis.
 - o Annex A and B remain open for further amendments.
 - o WG1 members suggest to delete level 4 of the fuel and technology codes as this is felt to be one level too detailed for the purpose of a GO.
 - Andreas Wolf announces that AGCS and AIB have signed an Lol on covering renewable gases from electrolysis.

Action points	<ul style="list-style-type: none"> - Thomas Jensen to provide input from a double subsidy settlement between Denmark and Germany. - See agenda item 5.
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Item	Objectives
4. CertifHy preliminary procedures	1. Discuss current draft CertifHy procedures (flow charts) as a basis for Procedure text elaboration
Points of discussion	

Matthias Altmann introduces CertifHy procedure flowcharts (see slides 21 through 32):

- Flowchart development was led by Patrick Schmidt for 8 Procedures considered most relevant for the CertifHy pilot phase, out of a total of 11 procedures identified.
- Flowcharts will be included in the Subsidiary Documents for the Procedures as an introduction and guiding overview.
- Procedures will become Subsidiary Documents to the CertifHy Scheme document.

As the meeting approaches its scheduled end, Matthias Altmann invites meeting participants to directly address their questions on CertifHy procedure flowcharts without going through them one by one:

- P0.1 | Account Holder registration: Account Holder must be a legal entity.
- P0.2 | Production Device registration:
 - o Change “double registration” to “double counting”
 - o Production Device owners shall be obliged to report about
 - major changes in the production process; and
 - any registration with other schemes.
 - o It is up to the Scheme/Auditor to check with others Schemes for double counting.
 - o Scheme/Auditor may perform random checks, or checks upon indication (correction, complaint, sanctioning, etc.).
- P1.1 | GO issuing:
 - o RED allows for a maximum of 3 months for balancing between over/under supply.
 - o Until first Production Batch Audit, only 90% of GOs shall be issued (10% reserve for balancing).
 - o Production Batch Audit shall be recurring, at least every 12 months.
 - o The agreed sequence for full scheme operation is (→ to be visualised in a slide):
 - Registration of Production Device
 - H₂ Production
 - GO issuing
 - Audit (max. 12 months after start of production)

Action points

- See agenda item 5.

Item	Objectives
5. Next steps & closing of meeting	1. Clarify next steps in terms of who is doing what in the near-term future

Points of discussion

Matthias Altmann sets out the next steps:

- The meeting presentation and minutes of meetings will be circulated to WG1 members soon.
- WG 1 members and observers are invited to give feedback to the CertifHy scheme document and the Procedure flow charts by 09 March 2018.
- The WG1 coordinator will update the CertifHy scheme document based on discussion during this meeting and feedback received until 9 March.
- The WG1 coordinator will submit the updated CertifHy scheme document to the WG1 members for agreement as basis for pilots and for collecting feedback from the other CertifHy WGs by 14 March 2018.
- LBST will update the Procedure flowcharts based on the results of today’s discussion and the feedback received until 9 March.
- LBST will draft process descriptions for high priority procedures. They will become ‘Subsidiary Documents’ to the CertifHy scheme document.

Guy de Réals:

- Closes the meeting and thanks all participants for the constructive discussions.

Action points

- See above