
Certification of Hydrogen

Role of auditor

Jorn Bronsvort
QS Testing • Inspection • Certification

19 October 2022

TRUSTED QUALITY SERVICES



Agenda workshop

- Introduction QS
- Auditor tasks
- What is a RED-II RFNBO certificate?
- Difference between types of audits
- Audit costs (fee to the auditor)



Introduction QS

- Independent services for:
 - Testing
 - Inspection & Verification
 - Certification
- Focus on Environment & Energy markets
- Our services include:
 - Better Biomass – NTA 8080 certification
 - ISCC EU and ISCC Plus certification
 - Dutch “SMK Milieukeur Groene Elektriciteit” program
 - Inspection of biomethane installations for GoO registration in NL
 - Verification for Dutch Double Counting
 - Verification for Dutch REV system for HBE registration
- Part of Normec Group since 2021
- Role as auditor in Dutch RVO pilot for RFNBO certification



Auditor tasks (1)

General auditor principles:

- Auditor conducts audit on behalf of Certification Body
- Independent from auditee & company to be audited
- Has required competences and qualifications
- Responsible for performing the audit according relevant scheme requirements

No consultant / No advice

Auditor will not make your mass balance or GHG calculation, only verify it!



Auditor tasks (2)

- Preparation of audit (e.g. desk study of documents and GHG calculation)
- Carry out risk evaluation / risk assessment
- Perform on-site audit to check:
 - QMS with handbook, procedures and critical control points in place
 - Physical installation, infrastructure and metering
 - Traceability documents (incoming / outgoing incl. contracts)*
 - Mass Balance documents (incl. production reports)*
 - GHG calculation, including:
 - Used calculation methodology
 - Verification of used emission factors
 - Verification of input variables
 - Examination of outcomes (minimum reduction requirement)
- Reporting of audit results and follow-up of non-conformities

* *based on a sampling principle with sample size based on risk assessment*



What is a RED-II RFNBO certificate?

- Certificate issued by Certification Body according specific certification scheme
- Certification scheme recognized by European Commission for RED-II scope
- Issued on company / organization level with specified validity (e.g. 1 year)
- Certificate proofs that companies processes and administration comply with the requirements and is able to deliver RED-II compliant RFNBO product
- Certificate does NOT include amounts or volumes
- Certificate gives certified company itself the right to issue Sustainability Declaration (PoS) for batches RFNBO product that comply with requirements

Important notes:

- *RED-II RFNBO certificate is not a Guarantee of Origin as mentioned in RED-II*
- *Existing CertifHy system is using a different principle of certification*



Difference between types of audits

General types of audits for RED-II recognized certification schemes:

| Type of audit | What | Focus during audit | When |
|--|-------------------------|---|--|
| Initial audit | Official examination | Initial process, procedures and documents in place | Before issue 1 st certificate |
| Surveillance audit | Interim examination | Volumes of first 6 months | Within 6 months after issue date 1 st certificate |
| 1 st Re-certification audit | Official re-examination | Actualized process, procedures and documents in place + volumes of 1 st year | Before end of validity period 1 st certificate |
| 2 nd Re-certification audit | Official re-examination | Actualized process, procedures and documents in place + volumes of 2 nd year | Before end of validity period 2 nd certificate |

Important notes;

- *Example based on validity of 1 year, can be longer for some systems, but always yearly audit*
- *A pre-audit may be possible before the official initial audit, but not described in schemes*
- *Existing CertifyHy system using different principle of auditing with verification per batch*



Audit costs (fee to the auditor)

Indication of fees for auditor:

| Type of audit | Range of costs (EUR) |
|--|----------------------|
| Initial audit | 3.000 – 7.500 |
| Surveillance audit (only 1 st year) | 1.500 – 3.000 |
| Re-certification audit | 3.000 – 7.500 |

Important notes:

- *Fee depending from size and complexity of company, process and installation*
- *Based on typical auditor day rate of EUR 1.500,-*
- *Excluding fees for certification scheme*
- *Excluding travelling costs*



Questions?

+31(0)88-166 2000
www.qsbv.com
info@qsbv.com

or

bronsvoort@qsbv.com

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