

GHG Validation and Verification Accreditation Scheme

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The EU Emissions Trading System (EU ETS)

The EU ETS is a “cap and trade” system.

- *The system sets a cap (quantity limit) on the total amount of certain greenhouse gases that can be emitted by installations and aircraft operators. The cap is reduced over time in order to enhance reduction of total emissions.*
- *The system allows trading of emission allowances so that the total emissions of the installations and aircraft operators stay within the cap and the least-cost measures can be taken up to reduce emissions.*
- *Within the cap, installations and aircraft operators buy or receive emissions allowances, which they can trade with one another as needed.*
- *Each year, an installation or aircraft operator shall surrender enough allowances to fully cover its emissions. Otherwise, heavy fines are imposed. If an installation reduces its emissions, it can keep the spare allowances to cover its future needs or sell them to another operator.*

The European Legislative Framework in the field of GHG Validation & Verification

- ***Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC***
- ***Commission Implementing Regulation (EU) 2018/2066 of 19 December 2018 on the monitoring and reporting of greenhouse gas emissions pursuant to Directive 2003/87/EC of the European Parliament and of the Council and amending Commission Regulation (EU) No 601/2012***
- ***Commission Implementing Regulation (EU) 2018/2067 of 19 December 2018 on the verification of data and on the accreditation of verifiers pursuant to Directive 2003/87/EC of the European Parliament and of the Council***
- ***Commission Delegated Regulation (EU) 2019/331 of 19 December 2018 determining transitional Union-wide rules for harmonised free allocation of emission allowances pursuant to Article 10a of Directive 2003/87/EC of the European Parliament and of the Council***

The EU Accreditation and Verification Regulation (AVR)

- The annual GHG emissions report of an operator or aircraft operator shall be verified by an independent verifier.
- The *verifier* shall carry out the verification with the aim of providing a verification report that concludes with reasonable assurance that the operator's or aircraft operator's report is free from material misstatements.
- The *verifier* shall demonstrate competence against general and specific competence criteria, including knowledge and experience of data and information auditing and of the sector-specific technical monitoring and reporting aspects.

The EU Accreditation and Verification Regulation (AVR)

- A *verifier* issuing a verification report to an operator shall *be accredited for the scope of activities* referred to in Annex I of AVR.
- The *accreditation certificate* shall be valid for *a period not exceeding five years* after the date on which the national accreditation body has issued the certificate.
- The *national accreditation body* shall carry out *an annual surveillance* of each verifier to which it has issued an accreditation certificate.

The GHG Validation & Verification Accreditation Scheme

- **ISO/IEC 17029:2019** *Conformity assessment – General principles and requirements for validation and verification bodies*
- **ISO 14065:2020** *General principles and requirements for bodies validating and verifying environmental information (revised version applicable by 31 December 2023)*
- **ISO 14064-3:2019** *Greenhouse gases – Part 3: Specification with guidance for the verification and validation of greenhouse gas statements (revised version applicable by 30 April 2023)*
- **ISO 14066:2011** *Greenhouse gases – Competence requirements for greenhouse gas validation teams and verification teams*
- **IAF MD6:2014** *Application of ISO 14065:2013*
- **Applicable legislative framework**
- **EA-6/03 M:2022** *Accreditation of Verification Bodies for the purpose of EU ETS Directive*

Validation and Verification as Conformity Assessment Activities

Confirmation of reliability of information declared in claims*

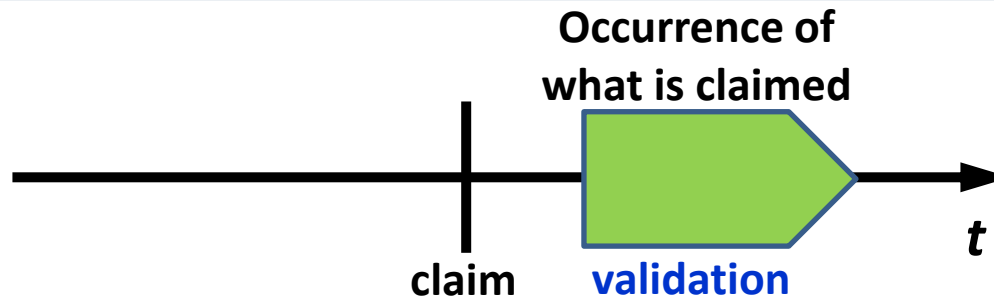
**information declared by the client*

Environmental information (ISO 14065:2020):

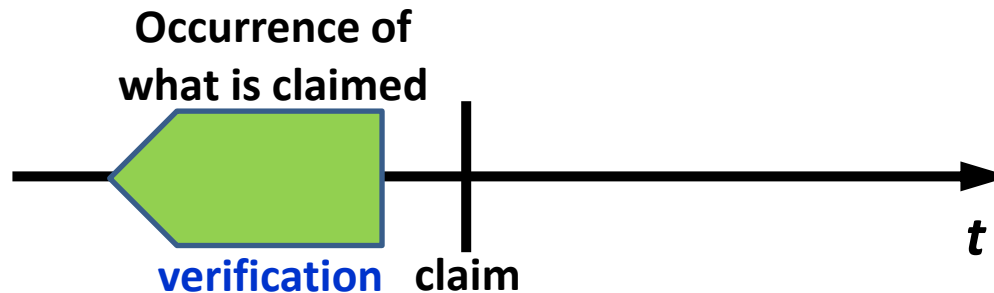
- *greenhouse gas statements*
- *environmental footprints (e.g. carbon and water)*
- *environmental performance*
- *environmental labelling claims, including environmental product declarations*
- *environmental information as part of sustainability reporting*
- *calculations associated with the valuation of environmental resources*
- *environmental information related to “green bonds”, “climate finance” and other financial instruments*

Validation and Verification as Conformity Assessment Activities

Validation is applied to claims regarding an intended future use or projected outcome (confirmation of plausibility).



Verification is applied to claims regarding events that have already occurred or results that have already been obtained (confirmation of truthfulness).



NAAU Experience in Accreditation of GHG Verification Bodies

Monitoring, reporting and verification of GHG emissions in Ukraine are regulated by:

- ***the Law of Ukraine “On the principles of monitoring, reporting and verification of greenhouse gas emissions”***
- ***three (3) Resolutions of the Cabinet of the Ministers of Ukraine***
 - **Combustion of fuel in installations with a total nominal thermal capacity exceeding 20 MW (930)**
 - **Oil processing (6)**
 - **Coke production (15)**
 - **Firing or sintering, including agglomeration of metal ore (21)**
 - **Cast iron or steel production (40)**
 - **Production or processing of ferrous alloys (including ferroalloys) (32)**
 - **Production of cement clinker (18)**
 - **Lime production or calcination of dolomite or magnesite (12)**
 - **Nitric acid production (4)**
 - **Ammonia production (5)**

NAAU Experience in Accreditation of GHG Verification Bodies

Resources:

- ***8 Team Leaders (Lead Assessors of Department for Accreditation of Certification Bodies and Surveillance Department – trained by GIZ, PMR)***
- ***7 Experts (covering all activities)***
- ***Technical Committee “Verification of GHG Statements” (members: experts, directors of accredited verifiers, representative of regulatory authority)***
- ***Amendments to management system documents (accreditation criteria for verifiers, scope of accreditation, determination of on-site assessment duration, witnessing procedure, application form)***
- ***Training of involved personnel***
- ***Consultation with interested parties***

NAAU Experience in Accreditation of GHG Verification Bodies

Activities:

- *Number of applications received - 10*
- *Number of accredited CABs - 4*
- *Number of applications under review - 4*

Challenges:

- *Limited experience of applicant CABs with accreditation processes*
- *Familiarization of NAAU's experts with accreditation requirements*
- *Transition to ISO/IEC 17029 and ISO 14065:2020 in progress*
- *Operations of NAAU and CABs under martial law (frequent missile attacks, electricity cut-offs, unstable communications, significant number of installations located in occupied territories,)*
- *Application of NAAU for EA BLA signatory status in the field of GHG Validation & Verification under EA peer evaluation in June 2023*

THANK YOU FOR YOUR ATTENTION!