



NAAU Experience in Accreditation of GHG Verification Bodies

Iryna Katsan,
Deputy Head of Department -
Head of Division for
Accreditation of Certification Bodies
i.katsan@naau.org.ua

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

- LAW of UKRAINE “On the principles of monitoring, reporting and verification of greenhouse gas emissions”
(No.377-IX dated 12.12.2019, 01.01.2021)
- Resolution of the Cabinet of Ministers of Ukraine No. 960 dated 23.09.2020 “On Approval of Procedure for Monitoring and Reporting on Greenhouse Gas Emissions”
- Resolution of the Cabinet of Ministers of Ukraine No. 959 dated 23.09.2020 “On Approval of Procedure for Verification of Operator’s Report on Greenhouse Gas Emissions”
- Resolution of the Cabinet of Ministers of Ukraine No. 880 dated 23.09.2020 “On Approval of the List of Activities Resulting in Greenhouse Gas Emissions Subject to Monitoring, Reporting and Verification”

List of Activities Resulting in Greenhouse Gas Emissions Subject to Monitoring, Reporting and Verification:

- ▶ 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)

Number of installations that can be included in the GHG monitoring and reporting system of Ukraine

Source: GIZ data as of 2021



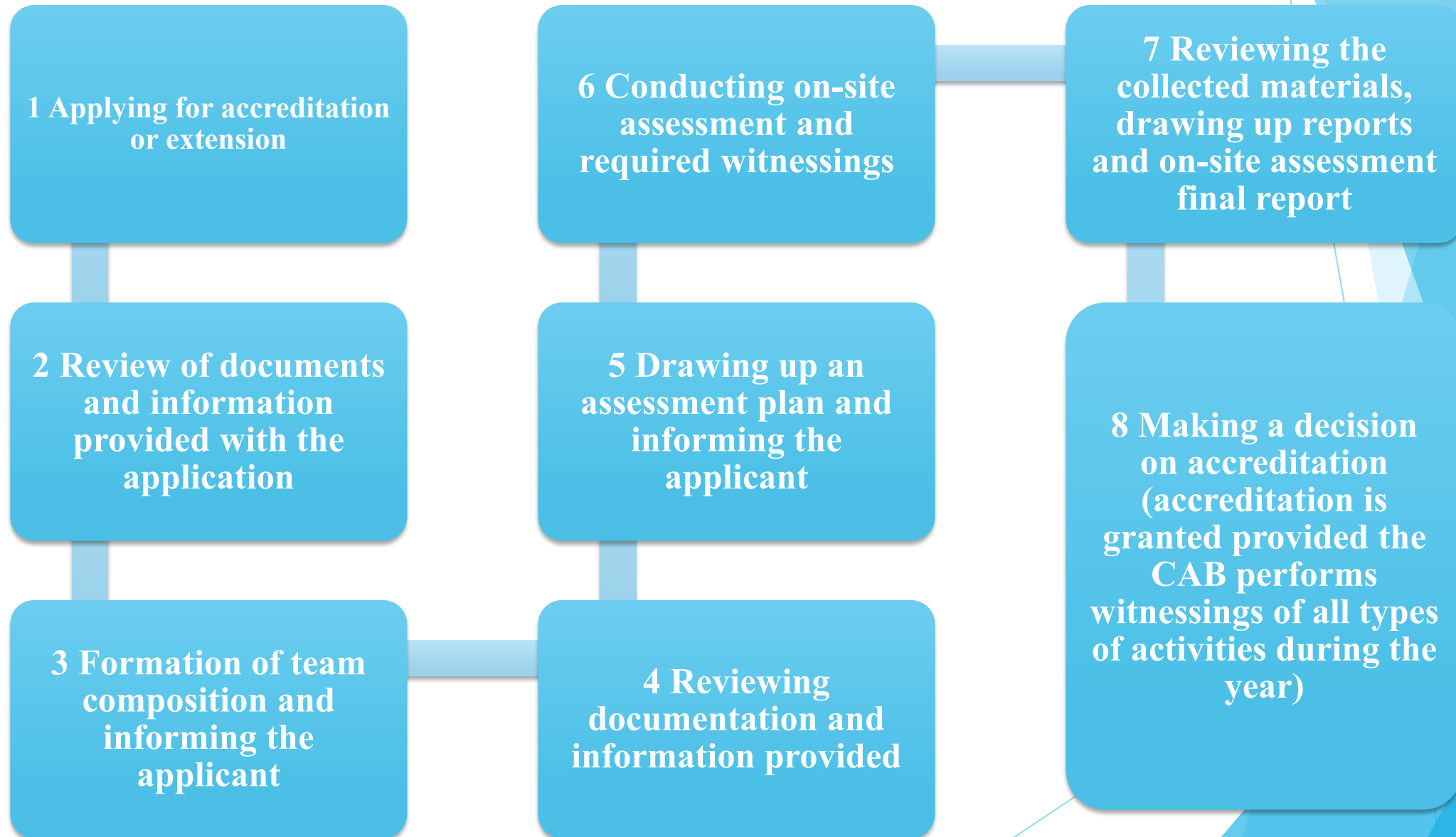
Fulfilled implementation activities:

- ▶ The Law and by-laws have been analyzed
- ▶ Current NAAU accreditation procedure for the application of the new scheme has been analyzed
- ▶ Introduction of required amendments to management system documents (definition of criteria for the accreditation of verifiers (DSTU ISO 14065:2015, ISO 14065:2013, IDT), principles of determining the verifier's scope of accreditation, determination of on-site assessment duration, witnessing procedure)
- ▶ Development of new management system forms (formation of application package)
- ▶ Training of internal personnel
- ▶ Search for external personnel
- ▶ Informing interested parties

RESOURCES

- ▶ Team leaders - 8 persons (lead assessors of Department for Accreditation of Certification Bodies and Surveillance Department - training by GIZ, PMR)
 - ▶ Experts - 7 persons (cover all activities)
- ▶ Technical Committee «Verification of GHG Statements» (includes: experts, directors of accredited verifiers, representative of regulatory authority)

Accreditation stages for verification bodies



APPLICATIONS for compliance with ISO 14065 requirements

Number of applications received - 10

Number of accredited CABs - 4

Number of applications under review - 4

CAB refusal to proceed with works - 2 applications

Average duration of works - 1 year

Internal audit (PTB) - February 2022

CORRECTIVE ACTIONS:

- ▶ Introduction of amendments to NAAU management system documents and forms
- ▶ Establishment of TCA «Verification of GHG statements»
- ▶ Informing the Accreditation Council
- ▶ Considering the requirements of IAF Resolutions 2019-19 and 2019-18 (development of ISO 17029 implementation plan)
- ▶ Training of personnel (UKAS, PTB)

ISO 17029 implementation plan

CRITERIA:

- ▶ 1. DSTU EN ISO/IEC 17029:2020 (EN ISO/IEC 17029:2019, IDT; ISO/IEC 17029:2019, IDT) Conformity assessment - General principles and requirements for validation and verification bodies.
- ▶ 2. ISO 14065:2020 General principles and requirements for bodies validating and verifying environmental information

Accreditation of verification bodies is performed with regard to the requirements:

- ▶ 1. ISO 14064-3:2019 Greenhouse gases – Part 3: Specification with guidance for the verification and validation of greenhouse gas statements
- ▶ 2. Resolution of the Cabinet of Ministers of Ukraine No.959 dated 23.09.2020 “On Approval of Procedure for Verification of Operator’s Report on Greenhouse Gas Emissions”.
- ▶ 3. EA-6/03 M: 2013 European co-operation for accreditation. EA document for accreditation of Verification Bodies for the purpose of EU ETS Directive.

ISO 17029 implementation plan

- ▶ Since 12.12.2022 NAAU stopped accepting applications for accreditation against the requirements of ISO 14065:2013
- ▶ Since 12.12.2022 NAAU started accepting applications for accreditation against the requirements of ДСТУ EN ISO/IEC 17029:2020 (EN ISO/IEC 17029:2019, IDT; ISO/IEC 17029:2019, IDT) and ISO 14065:2020
- ▶ Information (NAAU website, letters to the regulatory authority, TCA meetings)
- ▶ Accredited CABs were informed about changes in accreditation criteria and the need for transition
- ▶ Transition mechanism for accredited verifiers (during scheduled surveillances, assessment will include documents review and on-site assessments stages) was developed
- ▶ Extension (review) of competencies of personnel available in the Register is ongoing
- ▶ Amendments to NAAU management system documents and forms were introduced (set of application documents)

EXPERIENCE

- use of risk-based approach while planning accreditation works;
 - verification during assessment of compliance with the requirements of national legislation (Resolution of the Cabinet of Ministers of Ukraine No. 959);
 - GHG verification services market participants require raising awareness of international documents (EA 6/03 M);
 - 8 out of 10 CABs that submitted applications do not have accreditation experience;
 - experts do not have practical experience in accreditation works (additional time is required to get familiarized with NAAU documents);
 - most frequent nonconformities relate to the implementation of the management system processes, operation of the mechanism for ensuring impartiality and to the analysis of risks related to CAB activities;
 - implementation of IAF resolutions 2019-19 and 2019-18 - additional costs for accredited CABs
- etc.

CURRENT CHALLENGES

- ▶ Operation of NAAU and CABs under martial law and frequent missile attacks
- ▶ Operation of NAAU and CABs during frequent lack of electricity and stable communication
- ▶ Significant number of installations remained in the occupied territories or territories where active hostilities are taking place (the number of potential customers of CABs has decreased, CABs lack the ability to ensure witnessing of some activities)
- ▶ 1 accredited CAB is located in Kharkiv
- ▶ CAB personnel, external NAAU personnel (mobilization to the Armed Forces of Ukraine, evacuation from permanent residence, travel abroad)

NAAU submitted application to become EA BLA signatory for GHG verification.

EA peer evaluation of this scope is scheduled for June 2023.



THANK YOU FOR YOUR ATTENTION!