INTERNATIONAL STANDARD

ISO 14065

Second edition
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Greenhouse gases — Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Gaz à effet de serre — Exigences pour les organismes fournissant des validations et des vérifications des gaz à effet de serre en vue de l'accréditation ou d'autres formes de reconnaissance

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14065 was prepared by Technical Committee ISO/TC 207, *Environmental management*, Subcommittee SC 7, *Green house gas management and related activities*.

This second edition cancels and replaces the first edition (ISO 14065:2007), of which it constitutes a minor revision.

Introduction

Climate change has been identified as one of the greatest challenges facing nations, governments, business, and citizens for the coming decades. Climate change has implications for both human and natural systems and could lead to significant changes in resource use, production, and economic activity. In response, international, regional, national, and local initiatives are being developed and implemented to limit greenhouse gas (GHG) concentrations in the Earth's atmosphere. Such GHG initiatives rely on the quantification, monitoring, reporting, and verification of GHG emissions and/or removals.

The overall aim of GHG validation or verification activities is to give confidence to all parties that rely upon a GHG assertion. The party making the GHG assertion is responsible for conformity with requirements of the relevant standard or GHG programme. The validation or verification body is responsible for completing an objective assessment and providing a validation or verification statement concerning the responsible party's GHG assertion based on evidence. This International Standard provides requirements for bodies that undertake GHG validation or verification using ISO 14064-3 or other relevant standards or specifications. It contains a number of principles that these bodies should be able to demonstrate and provides specific requirements that reflect these principles. General requirements relate to matters such as legal and contractual arrangements, responsibilities, the management of impartiality, and issues of liability and financing. Specific requirements include provisions related to structures, resource requirements and competencies, information and records management, validation and verification processes, appeals, complaints, and management systems.

This International Standard provides GHG programme administrators, regulators, and accreditors with a basis for assessing and recognizing the competence of validation and verification bodies. It can also be used in other ways, such as in peer assessment within groups of validation or of verification bodies or between such groups.

Figure 1 and Annex A show relationships between the application of this International Standard and ISO 14064-1, ISO 14064-2, ISO 14064-3, and ISO 14066.

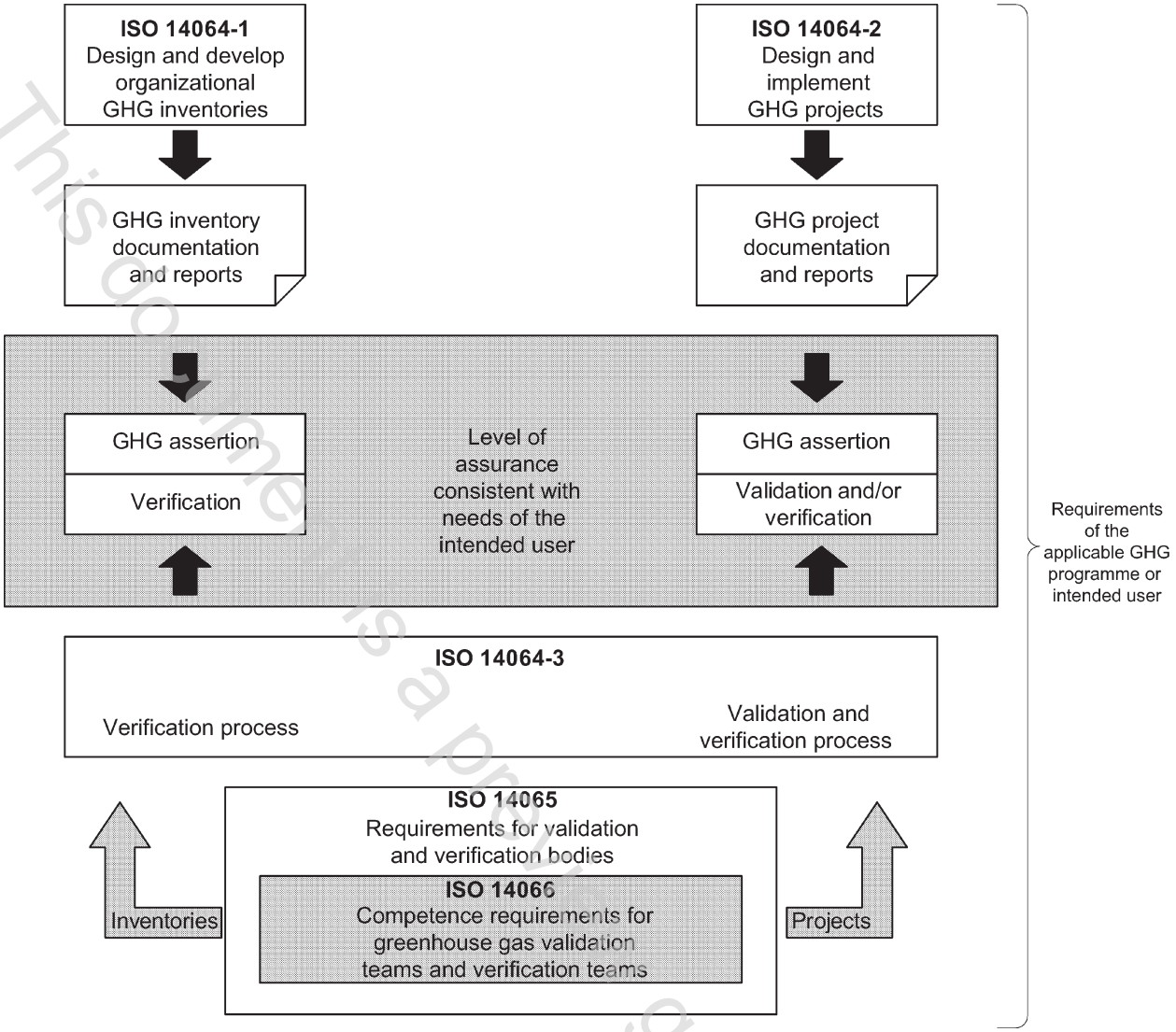

Figure 1 — Framework for using ISO 14065 with ISO 14064-1, ISO 14064-2, ISO 14064-3, and ISO 14066

Greenhouse gases — Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

1 Scope

This International Standard specifies principles and requirements for bodies that undertake validation or verification of greenhouse gas (GHG) assertions.

It is GHG programme neutral. If a GHG programme is applicable, the requirements of that GHG programme are additional to the requirements of this International Standard.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 14064-3:2006, *Greenhouse gases — Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 Terms related to greenhouse gases

3.1.1
GHG
gaseous constituent of the atmosphere, both natural and anthropogenic, that absorbs and emits radiation at specific wavelengths within the spectrum of infrared radiation emitted by the Earth's surface, the atmosphere, and clouds

Note 1 to entry: GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

[SOURCE: ISO 14064-3:2006, 2.1]

3.1.2
greenhouse gas assertion
factual and objective declaration made by the responsible party

Note 1 to entry: The GHG assertion could be presented at a point in time or could cover a period of time.

Note 2 to entry: The GHG assertion provided by the responsible party should be clearly identifiable and capable of consistent evaluation or measurement against suitable criteria by a validator or verifier.

Note 3 to entry: The GHG assertion could be provided in the form of a GHG report, GHG project plan, or per unit of product CO_2-e emission (carbon footprint of product) quantification.

[SOURCE: ISO 14064-3:2006, 2.11, modified]