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SINGAPORE STANDARD

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

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

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Ernst & Young LLP
National Climate Change Secretariat
National Environment Agency
Ramboll Environ
Singapore Institute of Manufacturing Technology
TUV SUD PSB Pte Ltd

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National Foreword

This Singapore Standard was prepared by the Working Group on Greenhouse Gas Management and Product Lifecycle Assessment appointed by the Technical Committee on Environmental Management under the direction of the Environment and Resources Standards Committee.

This standard is identical with ISO 14065: 2013 published by the International Organization for Standardization.

Where appropriate, the words "International Standard" shall be read as "Singapore Standard". The references to International Standards shall be replaced by the following Singapore Standards:

International Standard	Corresponding Singapore Standard
ISO 9000	SS ISO 9000
ISO 14065	SS ISO 14065
ISO/IEC 17000	SS ISO/IEC 17000
ISO 19011	SS ISO 19011

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

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*

2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*

3. *Compliance with a SS or TR does not exempt users from any legal obligations*

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.

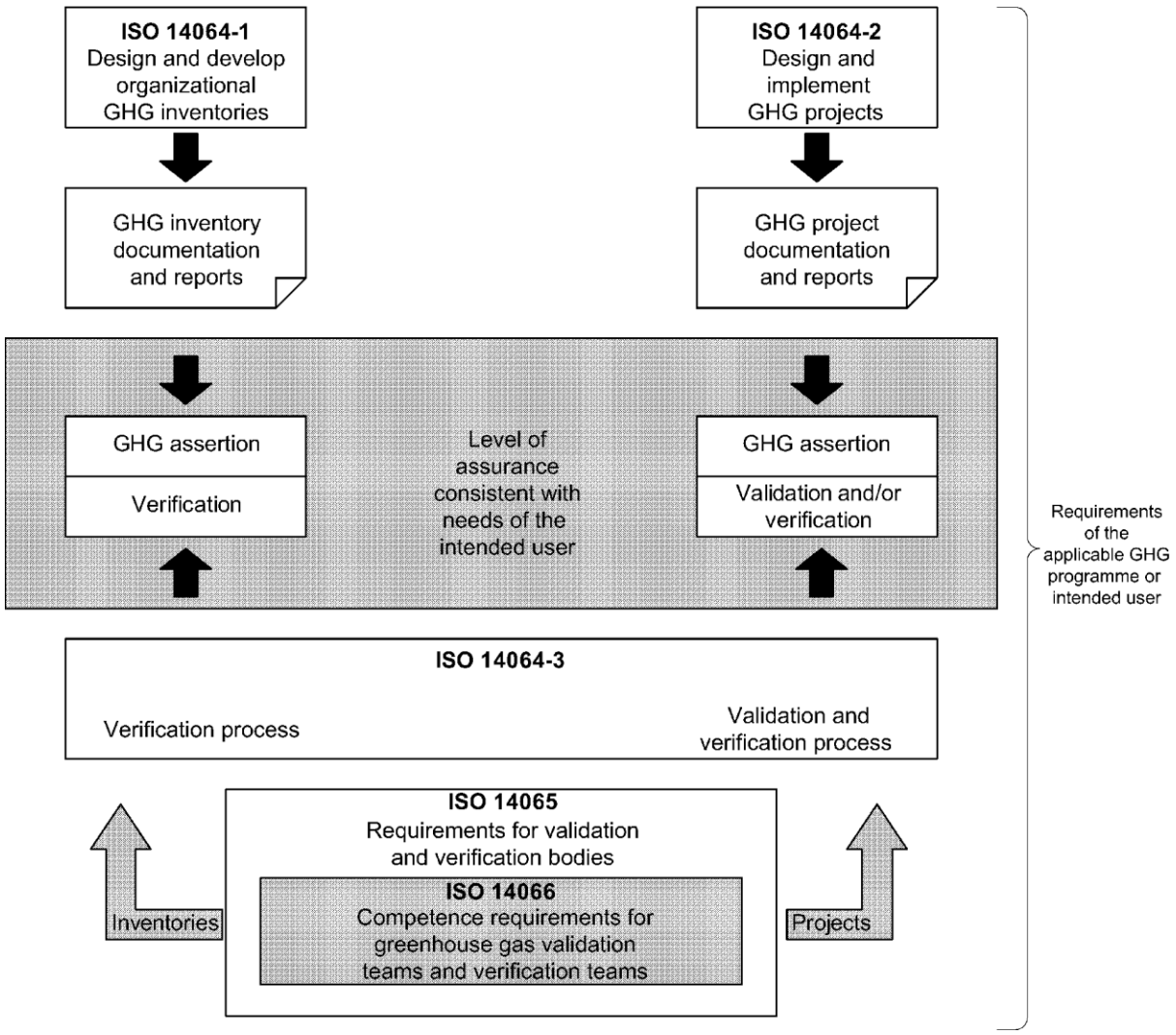

Figure 1— Framework for using ISO 14065 with ISO 14064-1, ISO 14064-2, ISO 14064-3, and ISO 14066

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*