INTERNATIONAL STANDARD

ISO 14064-3

First edition
2006-03-01

Greenhouse gases —

Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions

Gaz à effet de serre —

Partie 3: Spécifications et lignes directrices pour la validation et la vérification des déclarations des gaz à effet de serre

Reference number
ISO 14064-3:2006(E)

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

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 14064-3 was prepared by Technical Committee ISO/TC 207, *Environmental management*.

ISO 14064 consists of the following parts, under the general title *Greenhouse gases*:

— *Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals*

— *Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements*

— *Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions*

Introduction

0.1 Climate change has been identified as one of the greatest challenges facing nations, governments, business and citizens over future 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.

ISO 14064-1 details principles and requirements for designing, developing, managing and reporting organization- or company-level GHG inventories. It includes requirements for determining GHG emission boundaries, quantifying an organization's GHG emissions and removals and identifying specific company actions or activities aimed at improving GHG management. It also includes requirements and guidance on inventory quality management, reporting, internal auditing and the organization's responsibilities in verification activities.

ISO 14064-2 focuses on GHG projects or project-based activities specifically designed to reduce GHG emissions or increase GHG removals. It includes principles and requirements for determining project baseline scenarios and for monitoring, quantifying and reporting project performance relative to the baseline scenario and provides the basis for GHG projects to be validated and verified.

This part of ISO 14064 details principles and requirements for verifying GHG inventories and validating or verifying GHG projects. It describes the process for GHG-related validation or verification and specifies components such as validation or verification planning, assessment procedures and the evaluation of organization or project GHG assertions. This part of ISO 14064 can be used by organizations or independent parties to validate or verify GHG assertions.

Figure 1 displays the relationships between the three parts of ISO 14064.

0.2 ISO 14064 is expected to benefit organizations, governments, project proponents and stakeholders worldwide by providing clarity and consistency for quantifying, monitoring, reporting and validating or verifying GHG inventories or projects. Specifically, use of ISO 14064 could

— enhance the environmental integrity of GHG quantification,

— enhance the credibility, consistency and transparency of GHG quantification, monitoring and reporting, including GHG project emission reductions and removal enhancements,

— facilitate the development and implementation of an organization's GHG management strategies and plans;

— facilitate the development and implementation of GHG projects,

— facilitate the ability to track performance and progress in the reduction of GHG emissions and/or increase in GHG removals, and

— facilitate the crediting and trade of GHG emission reductions or removal enhancements.

Users of ISO 14064 could find benefit from some of the following applications:

a) corporate risk management: for example, the identification and management of risks and opportunities;

b) voluntary initiatives: for example, participation in voluntary GHG registry or reporting initiatives;

c) GHG markets: for example, the buying and selling of GHG allowances or credits;

d) regulatory/government reporting: for example, credit for early action, negotiated agreements or national reporting programmes.

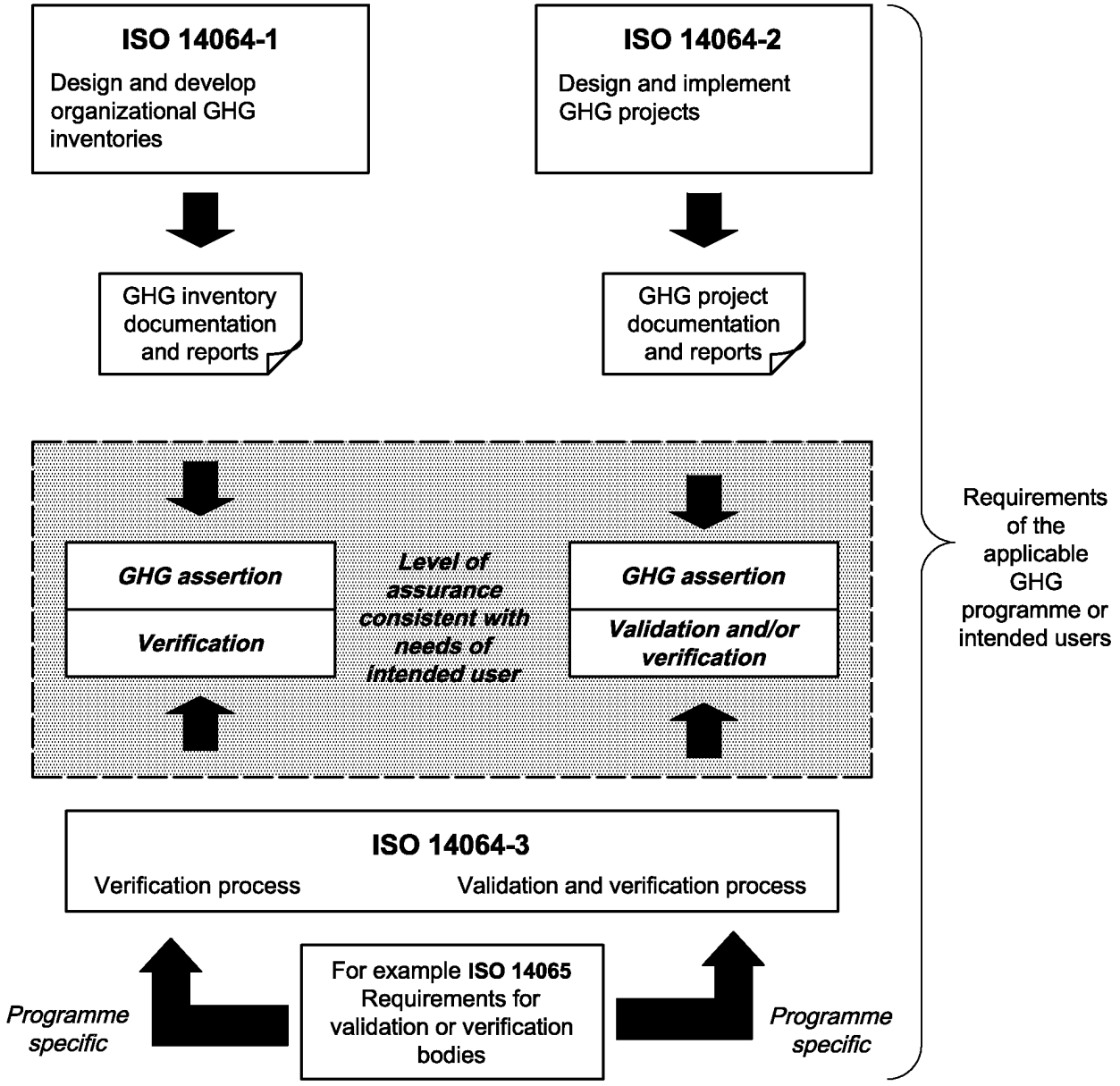

Figure 1 — Relationship between the parts of ISO 14064

0.3 This part of ISO 14064 provides principles, requirements and guidance for those conducting GHG information validation and verification. It is intended to be useful to a broad range of potential users, including:

— 1st, 2nd and 3rd party GHG validators and verifiers;

— organizations and individuals involved in developing and commissioning GHG projects;

— organizations conducting internal audits of their GHG information;

— organizations involved in GHG validator or verifier training;

— voluntary and mandatory GHG programme administrators;

— investor, finance and insurance communities;

— regulators and those involved in the accreditation and conformity assessment of emissions trading and emission or removal offset programs.