

ISO/TS 14064-4:2025-11 (E)

Greenhouse gases - Part 4: Guidance for the application of ISO 14064-1

Contents

Page

Foreword.....	v
Introduction.....	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Terms related to greenhouse gases.....	2
3.2 Terms related to biogenic material and land use.....	2
3.3 Terms relating to organizations, interested parties and verification	2
4 Principles	3
4.1 General.....	3
4.2 Relevance.....	3
4.3 Completeness.....	4
4.4 Consistency.....	4
4.5 Accuracy.....	4
4.6 Transparency.....	4
5 GHG inventory boundaries	4
5.1 Organizational boundaries.....	4
5.1.1 General.....	4
5.1.2 Selecting and applying the consolidation method	5
5.2 Reporting boundaries.....	7
5.2.1 Establishing reporting boundaries.....	7
5.2.2 Direct GHG emissions and removals.....	8
5.2.3 Indirect GHG emissions.....	10
5.2.4 GHG inventory categories.....	19
6 Quantification of GHG emissions and removals	24
6.1 Identification of GHG sources and sinks.....	24
6.2 Selection of quantification approach.....	25
6.2.1 General.....	25
6.2.2 Data selection and collection used for quantification.....	26
6.2.3 Selection or development of GHG quantification model.....	26
6.3 Calculation of GHG emissions and removals.....	27
6.3.1 General.....	27
6.3.2 Specific issues applicable to several categories.....	28
6.4 Base-year GHG inventory.....	30
6.4.1 Selection and establishment of base year.....	30
6.4.2 Review of base-year GHG inventory.....	30
6.5 Quantification of GHG emissions and removals for each category.....	30
6.5.1 Category 1: Direct GHG emissions and removals.....	30
6.5.2 Category 2: Indirect GHG emissions from imported energy.....	38
6.5.3 Category 3: Indirect GHG emissions from transportation.....	41
6.5.4 Category 4: Indirect GHG emissions from products used by the organization.....	51
6.5.5 Category 5: Indirect GHG emissions and removals associated with the use of products from the organization.....	60
6.5.6 Category 6: Indirect GHG emissions from other sources.....	65
7 Mitigation activities	65
7.1 GHG emission reduction and removal enhancement initiatives.....	65
7.2 GHG emission reduction or removal enhancement projects.....	65

7.3	GHG emission reduction or removal enhancement targets.....	66
8	GHG inventory quality management	66
8.1	GHG information management.....	66
8.2	Document retention and record keeping.....	66
8.3	Assessing uncertainty.....	66
9	GHG reporting	68
9.1	General.....	68
9.2	Planning the GHG report.....	68
9.3	GHG report content.....	69
Annex A	(informative) Examples of emission or removal factors databases, sectoral methods and sectoral approaches	70
Annex B	(informative) Categories correspondence	72
Annex C	(informative) Specificities of financial or insurance companies for category 5.4 (investments)	74
Annex D	(informative) Tables for reporting	75
Annex E	(informative) Example of reporting structure consistent with ISO 14064-1	80
Annex F	(informative) Guidance on the recalculation of reference GHG emissions	87
Bibliography	92