

ISO Seminar on Greenhouse gas quantification, reporting and verification

based on
ISO 14064 and
ISO 14065

Sao Paulo, Brazil
3-4 May 2007



International
Organization for
Standardization



Introduction

Credible accounting of greenhouse gas (GHG) emissions has never been more important. From the need to accurately measure country compliance under the Kyoto Protocol to the participation of companies in various GHG emissions trading systems, there is a need for accurate, transparent and complete accounting of GHG emissions and emission reductions or removals. Because the various schemes or programmes so far developed use different sets of guidance or rules for GHG accounting, there are differences in the quality of the various programmes and even between different projects within these programmes.

In 2002, ISO noted these differences and decided to create a series of standards that would:

- enhance environmental integrity by promoting consistency, transparency and credibility in GHG quantification, monitoring, reporting and verification;
- enable organizations to identify and manage GHG-related liabilities, assets and risks;
- facilitate the trade of GHG allowances or credits; and
- support the design, development and implementation of comparable and consistent GHG schemes or programmes.

The resulting ISO 14064 standard provides a set of requirements and guidance to enable organizations to compile their GHG inventories, quantify and report their GHG emission reduction or removal projects and have these GHG accounts validated or verified independently. In addition, ISO has developed the ISO 14065 standard to support an accreditation system for the independent validators or verifiers of GHG accounting and verification.

Background on the Seminar

The seminar on May 3 – 4, 2007 in São Paulo, Brazil, will provide project developers, validators and verifiers a detailed overview of the ISO 14064 and ISO 14065 standards as they apply to the quantification and reporting of emission reduction or removal projects and the procedures for having these projects validated or verified. The seminar will present these standards in the Brazilian context through presentations by

local authorities in the standards development area, local project developers and local accreditation organizations. In addition,

an expert from the Canadian Standards Association, who provided the secretariat function throughout the development of ISO 14064 and ISO 14065, will provide the explanations of the requirements of the standard and examples of how it can be applied in Brazil.



Who Should Attend?

- Project developers who are engaged in Clean Development Mechanism (CDM) projects or other emission reduction or removal projects;
- Designated Operational Entities under the CDM who would like to find out about the application of ISO 14064 in the context of a CDM project;
- Private sector firms who may wish to become GHG validators or verifiers;
- Government authorities looking to encourage more GHG emission reduction or removal projects and who want to ensure a high quality of GHG accounting for these projects.

Programme

Day 1 Thursday 3 May 2007

08:30 Registration

09:00-10:30 Opening session

09:00-09:10 *Cláudio Vaz*, President, Center of Industries from São Paulo (FIESP)

09:10-09:20 *Paulo Skaf*, President, Federation of Industries from São Paulo (FIESP)

09:20-09:30 *Pedro Buzatto*, Brazilian Standards Organization (ABNT)

09:30-09:40 *Representative from the Ministry of External Relations of Brazil*

09:40-09:50 *José Miguez*, Secretary, Interministerial Commission on Climate Change, Ministry of Science and Technology

09:50-10:10 *Haroldo Mattos de Lemos*, (Vice Chair ISO/TC 207, Superintendent ABNT/CB 38), ISO/ABNT

10:10-10:30 *Vitor Feitosa*, Coordinator, Subcommittee 09 Climate Change, ABNT/CB 38

10:30-11:00 Morning break

11:00-13:00 The importance of Quantification and Reporting of Greenhouse gases

11:00-11:30 *Global context*: Greenhouse gases and global impact
Carlos Nobre, Chair, Scientific Council, International Geosphere-Biosphere Programme – (IGBP)

11:30-12:00 *Regional experience*: ISO 14064 standard and its application in developing countries
Luis Trama, Argentinean Institute for Standardization and Certification (IRAM)

12:00-12:30 *Local experience*: Greenhouse gases and the efforts of the Brazilian industry
Nelson Reis, Environmental Director, FIESP

12:30-13:00 *CDM and ISO 14064*: Review of comparability of requirements and ease of use of each process
Pierre Boileau, Canadian Standards Association (CSA)

Chairperson: *José Miguez*

13:00-14:00 Lunch

14:00-15:30 **ISO 14064-2**: Quantification, Monitoring and Reporting Using the ISO standard
Pierre Boileau, (CSA)

This will focus on the history of Part 2 development, the principles and philosophy behind Part 2 and how ISO standards are to be used.

Key technical questions to be covered are (1) selection of SSRs for the project and baseline and (2) the selection of the baseline scenario.

15:30-16:00 Afternoon break

16:00-17:30 **ISO 14064-2** (cont.)

Pierre Boileau, (CSA)

Concepts to be covered are: development of the monitoring and reporting plan, data quality management and reporting out.



09:00-10:30 **ISO 14064-2** (cont.)
Pierre Boileau, (CSA)
Review of concepts from Day 1

Christiane Maroun, ICF - Brazil
Project developer, Local speaker,
experiences quantifying projects under
CDM

Pierre Boileau, (CSA)
Parallels to be drawn from the ISO
standard and CDM.

10:30-11:00 *Morning break*

11:00-13:00 **ISO 14064-3**: Validation and Verification
Using the ISO Standard
Pierre Boileau, (CSA)
Concepts to be covered include the
principles behind Part 3, establishing
competencies, negotiating with the client,
developing a validation or verification plan

13:00-14:00 *Lunch*

14:00-15:30 **ISO 14064-3**: (cont.)
Pierre Boileau, (CSA)
Concepts to be covered are the
assessment of GHG information systems
and controls, assessment of GHG data
and information, evaluation of the GHG
assertion and production of the validation
or verification statement

15:30-16:00 *Afternoon break*

16:00-17:00 **ISO 14065**
Pierre Boileau, (CSA)
Principles and context for the
development of 14065: What a validation
or verification body is, how they will
assess whether they whether they have
appropriate competencies, what
institutional systems they must have in
place.

Additional concepts to be covered
include – what the responsibilities are
of a validation or verification body when
conducting a validation or verification
Marcos Aurelio Lima, General Coordinator
of Accreditation, INMETRO

17:00-17:10 **Review/wrap-up**
Haroldo Mattos

17:10-17:15 **Closing address**
Carlos Amorim, ABNT



Venue:

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