

CARBON EMISSIONS REPORTING AND VERIFICATION COURSE

16 – 20 July 2018

In February 2018, the Singapore Government announced that from 2020, all facilities producing 25,000 tonnes or more of greenhouse gas emissions in a year will have to pay a carbon tax of \$5 per tonne of greenhouse gas emissions from 2019 to 2023. The six greenhouse gases that will be covered under the carbon tax are: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF₆).

The facilities producing 25,000 tonnes or more of greenhouse gas emissions in a year will need to prepare an annual monitoring plan on their carbon emissions and these reports will have to be verified by independent third parties.

Sustinere has partnered with Carbon Action to present a 5-day course which covers both the GHG emissions reporting aspects and verification of the GHG emission reports which companies can use to satisfy a variety of stakeholders who demand access to this information, including shareholders, regulators, commercial partners, investors and financial institutions, and consumers.



COURSE OUTLINE

ISO 14064-1 – Carbon Emissions Reporting Course (2-day course)

This course provides the basic knowledge and understanding to help organisations quantify and manage their greenhouse gas emissions. It reviews the ISO 14064-1 requirements for determining Greenhouse Gas (GHG) emission boundaries, quantifying an organisation'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 organisation responsibilities in verification activities. The course also reviews how the requirements of ISO 14064-1 relate to existing GHG schemes and other key protocols and standards, including ISO 14001 and the World Resources Institute / World Business Council on Sustainable Development Greenhouse Gas Protocol.

This is a Canadian Standards Association (CSA) Accredited Course and all participants will receive a certificate of attendance upon completion of this course.

Who Should Attend

This course is designed for attendees who need a foundation course in carbon emissions footprinting (measurement), such as individuals involved in the management organisational GHG emissions, energy and environmental consultants, GHG validators and verifiers.

Cost

SGD 2,000

Course Outline

The course will cover elements of:

- Introduction to ISO, ISO 14064 standards & WBCSD/WRI GHG Protocol
- Introduction to GHG Inventories
- ISO 14064-1 & GHG Protocol
- GHG Management Handbook
- GHG Information Management System

Benefits of attending this course

- Obtaining knowledge and understanding of ISO 14064-1
- Exploring the purpose of your GHG inventory
- Developing your GHG inventory process
- Quantifying and managing greenhouse gas emissions.
- Identifying specific company actions aimed at improving GHG performance.
- Identifying emission "Hot Spots" in your supply chain
- Understand how to prepare a carbon monitoring plan for your company

COURSE OUTLINE

ISO 14064-3 – Carbon Verification Course (3-day course)

Verification is the systematic, independent and documented process for the evaluation of a greenhouse gas assertion against agreed verification criteria. Verification provides an independent assessment of the data associated with a GHG inventory or project and typically offers an opinion on the accuracy of the estimates or measurements, thus giving confidence to others interested in the results.

This course details the correct ISO approved methodology to verify Greenhouse Gas emissions. Only by using the correct verification methodology can one provide the independent and correct assessment of the data associated with a GHG inventory or project.

This 3-day course will provide detailed training on the approach to using the ISO 14064-3 standard, with specific examples of how verification would be applied to a GHG inventory prepared according to the ISO 14064-1 standard or a project that conforms with the ISO 14064-2 standard.

This course includes an examination component and participants who successfully pass the exam will receive a CSA Accredited ISO 14064 Part 3 examination certificate.

This course was developed by the Canadian Standards Association (CSA) and is delivered by Carbon Action. Carbon Action is a leading provider of carbon training in the United Kingdom and has the exclusive rights to provide CSA developed training courses to ISO 14064.

Who Should Attend

- Consultants
- Auditors
- Chartered Accountants
- Professional Engineers interested in offering validation or verification services to the emerging carbon marketplace or for national and international regulated GHG programs
- Regulated entities and offset project developers also may be interested to understand the processes of validation and verification so they know what to expect when engaging in them.

Cost

SGD 3,000

Course Outline

The course will cover elements of:

- How verifiers can assess their own competencies to conduct the verification
- How a verifier can establish the verification scope, objectives, criteria and level of assurance with their client
- How to establish a materiality threshold for the verification
- How to assess GHG information systems and controls
- How to develop a verification plan including a sampling plan
- How to assess GHG information systems and controls

Benefits of becoming verifier certified

- Achieving ISO 14064 training and certification is the optimum way to demonstrate your competence in GHG systems – both mandatory and voluntary schemes (EU ETS, UN CDM, UK MCP, and all other international schemes).
- Internationally recognized CSA / ISO certificate signed by the President of CSA.
- Gain an important competitive edge in the expanding carbon emissions industry.
- Add to your professional development.
- Benefit from the practical work based on real life GHG case studies, taught by experienced experts and certified by CSA.
- Become the recognised expert in your own workplace for GHG quantifications, Emission reduction projects and GHG Validation and/or Verification.
- Enable employers to be recognised for their proactive approach to sustainability and emissions management.
- Be part of a global expert community.

The course includes interactive team-based exercises, a detailed case study (to reinforce key concepts throughout the course), quizzes and a final exam. When you hold an ISO 14064 Part 3 examination certificate you will be in an enhanced and technically powerful position to manage your organisation's GHG reporting and achieve Verification.