



Your True Partner in Management System Training

ACI Training Course

TCA2	ISO 14064 Carbon Accounting, Implementation and Carbon Trade (9:30a.m. – 5:00p.m.) 2 days
-------------	--

The global warming impact is increasingly affecting the governmental legislates and private business sectors. The pressure not only comes from the increasing requirement of social responsibility, but also effective carbon emissions control is becoming another norm of ethical management.

International Organization for Standardization (ISO) has developed the ISO14064 standard to Greenhouse Gas (GHG) emissions management as a priority area to reduce Greenhouse Gas (GHG) emissions. Corporations need to trace out their own Greenhouse Gas (GHG) emissions and look for suitable means to reduce the impacts. This standard enables organization to measure and report their Greenhouse Gas (GHG) emissions consistently.

Consequentially, Publicly Available Specification (PAS) 2050 has been developed in response to the industry of a consistent method for assessing the life cycle Greenhouse Gas (GHG) emissions of goods and services. The Greenhouse Gas (GHG) emissions associated with goods and services reflect the impact of processes, materials and decisions occurring throughout the life cycle of goods and services. In Hong Kong, EMSD has also developed a Guideline to account for and report on Greenhouse Gas (GHG) emission and removals. The Guidelines help the users of buildings measure their Greenhouse Gas (GHG) performance, identify areas of improvement and conduct voluntary programmes to reduce and/ or offset emissions arising from buildings according to the organizational or business goals.

In carbon trading, Clean Development Mechanism (CDM) is one of the "flexibility" mechanisms defined in the Kyoto Protocol (IPCC, 2007). The Clean Development Mechanism (CDM) allows industrialized countries to invest in emission reductions wherever it is cheapest globally. Up to now, the Clean Development Mechanism (CDM) projects are being registered and expected to produce some 1.5 billion tons of carbon dioxide equivalent (CO₂e) in emission reductions. Most of these reductions are through renewable energy, energy efficiency, and fuel switching.

In meeting this challenge, effective Greenhouse Gas (GHG) management and carbon emission reduction is a priority focus for us.

ACI provides this opportunity for management delegates who want to build their skills of a carbon auditor in the Greenhouse Gas (GHG) management systems and able to determine their infrastructure carbon emissions. We can assist you to develop the Greenhouse Gas (GHG) emissions management and carbon reduction strategies that will definitely become part of your organization management framework. It is also the way to your business sustainability and carbon trading enhancement in the future.

The course is designed around the requirements of ISO 14064

Target Audience

The course is intended for:

- ~ Delegates who responsible for Corporate Social Responsibility (CSR).
- ~ Delegates who want to become a carbon auditor.
- ~ Policy developers, managers and auditors who want to move into the Greenhouse Gas (GHG) management field.
- ~ Practicing engineers, building services managers, plant managers and consultants.
- ~ Environmental officers and managers.



Objectives

The course is intended for all those who wish to

- ~ To understand the ISO 14064.
 - ~ To understanding the Publicly Available Specification (PAS)2050 and EMSD Guidelines to Account for and report on Greenhouse Gas (GHG) Emissions and Removals for Buildings in Hong Kong.
 - ~ To understand carbon trading, Clean Development Mechanism (CDM) and carbon neutrality.
 - ~ Quantification methodologies of Greenhouse gases (GHG) emissions and removals.
 - ~ Guidance at the organization or product level for the quantification and reporting of the Greenhouse Gas (GHG).
 - ~ To understand the carbon accounting principles and carbon footprint.
 - ~ To learn the carbon emission trend, carbon life cycle, carbon sink, alternative and sustainable energy.
- It helps delegates consolidate the knowledge and acquire related hands on experience.

Details

- ~ Carbon emission trend, carbon life cycle, carbon sink and sustainable energy.
- ~ General Introduction of ISO 14064 -1, 2 and 3
- ~ Understanding of the Greenhouse Gas (GHG) inventories and emission accounting.
- ~ Quantification methodologies of common Greenhouse Gas (GHG) emission.
- ~ Introduction of Publicly Available Specification (PAS) 2050 and EMSD Guidelines to Account for and Report on Greenhouse Gas (GHG) Emissions and Removals for Buildings in Hong Kong.
- ~ Assessment of the Publicly Available Specification (PAS) 2050 carbon footprint of goods and services.
- ~ Greenhouse Gas (GHG) and carbon accounting principles Implementation.
- ~ Introduction of carbon trading and Clean Development Mechanism (CDM)

Methodology

- ~ Presentation, workgroup discussion and exercise.

Certificate

- ~ Certificate of Successful Completion will be issued to delegates who have attended full course.

Venue

- ~ ACI training centre.



您在管理系統訓練上的真誠夥伴

ACI 培訓課程

TCA2 ISO 14064 碳核算，實施和碳交易 (9:30a.m. – 5:00p.m.) 2 日

全球氣候變暖的影響正日益影響著政府，立法機構和私人企業。壓力不僅來自於不斷增加的社會責任要求，而且有效的碳排放控制正成為另一個社會道德責任管理規範。

國際標準化組織（ISO）的已經發展的 ISO 14064 標準為優先的溫室氣體（溫室氣體）減排管理標準。公司需要跟踪描述出他們自己的溫室氣體排放量，並尋找適當的方法來減少因氣體排放帶來的影響。此標準使公司機構能夠一致地衡量和報告其溫室氣體排放量。

在此背景下，BSI 建立了公共可用規範(PAS) 2050，以評估產品和服務所產生溫室氣體的生命週期。與產品和服務相關的溫室氣體排放反映了在提供產品和服務的過程，所用原材料和決策帶來的衝擊。在香港，機電署亦制定了有關核算和報告溫室氣體排放和清除的指引。該指引有助於測量建築物的溫室氣體排放狀況，找出可改進的地方，並根據組織或者商業上目標自願執行項目以減少並且/或者抵消來自建築物的排放。

在碳交易中，清潔發展機制(CDM)是京都協定書中制定的幾個“靈活”機制之一。清潔發展機制(CDM)允許發達國家通過在其他成本低的國家投資減少排放來達到減排指標。到目前為止，清潔發展機制(CDM)項目被註冊，並減少預計產生的約 150 億二氧化碳等量溫室氣體(CO₂e)。這些削減大部分是通过转换可再生能源，能源效率和燃料。

為迎接這一挑戰，有效的溫室氣體管理是我們優先考慮的重點。

國際認可認證有限公司為那些希望建立起關於溫室氣體（GHG）的排放管理系統的技能，並且測定基礎設施的碳排放量的管理層代表提供了這個機會。我們可以協助您開發溫室氣體（GHG）的排放管理策略，這些策略將成為組織管理架構的一部份。這也是你未來在事業持續發展的一條道路。

本課程根據國際標準化組織 14064 的要求而設計。

培訓對象

- ~ 負責企業社會責任的代表。
- ~ 想成為碳審核員的代表。
- ~ 想進入溫室氣體排放管理領域的政策制定者，經理，審核員。
- ~ 工程師，建築服務經理，工廠經理和顧問。
- ~ 環境官員和經理。

培訓目的

- ~ 瞭解 14064 的標準。
- ~ 瞭解公共可用規範(PAS) 2050 和 機電署指引對於在香港的建築物溫室氣體(GHG)排放和清除解說明和報告。
- ~ 瞭解碳交易，清潔發展機制(CDM)和碳中立。



Accredited Certification Int'l Ltd. 國際認可認證有限公司

- ~ 溫室氣體排放和減排的量化方法。
- ~ 溫室氣體量化和報告的組織層次的指南。
- ~ 瞭解碳核算的原理和碳足跡。
- ~ 學習碳排放的趨勢，碳的生命周期，替代和可持續能源。

培訓內容

- ~ 碳排放趨勢，碳生命周期和碳沉积和可持續能源。
- ~ ISO14064-1,2,3的總體介紹。
- ~ 理解溫室氣體庫存和排放的審計。
- ~ 一般溫室氣體量化方法。
- ~ 公共可用規範(PAS) 2050 和机电署(EMSD)关于在香港的建築物溫室氣體排放和清除的說明和報告指引介紹。
- ~ 公共可用規範(PAS) 2050 产品和服务碳足跡評估
- ~ 溫室氣體(GHG)和碳核算實施原則。
- ~ 碳交易和清潔發展機制(CDM)介紹。

上課模式

- ~ 講課，小組討論和練習。

證書

- ~ 達到高出席率之學員將獲頒發課程完成證書乙張。

上課地點

- ~ ACI 訓練中心。