



ISO 14064 Greenhouse Gas Verification

From Kyoto Protocol in 1997 to the ad hoc COP 15, the political and regulatory climate related to Greenhouse Gas (GHG) emissions awareness are rapidly increasing and changing. The changing landscape for GHG Policy & Regulation will definitely affect business utilities and their business partners in the near future.

Corporation business positions for a *Carbon Constrained Future* related to GHG emissions are rapidly increasing. There is a need for certified corporation and qualified professionals charged with measuring, accounting, auditing, and managing GHG emissions with high levels of competency and ethical standards.

ISO 14064 certification, an international standard that provides a framework for organization to quantify and report on greenhouse gas emissions and removals, it is a set of unambiguous requirements or specifications, to support organization of GHG emission reduction. Through the ISO 14064 Certification process, it will lead corporation to a sustainable competitive advantage of a *Carbon Constrained Future*.



The ISO 14064 objectives are to:

- 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.
- Support the design, development and implementation of comparable and consistent GHG schemes or programs.

ISO 14064 comprises three standards, respectively detailing specifications and guidance for the organizational and project levels, and for validation and verification.

ISO 14064-1:2006, Greenhouse gases:

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

ISO 14064-2:2006, Greenhouse gases:

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

ISO 14064-3:2006, Greenhouse gases:

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

Benefits:

- Develop best practice and internal mechanism for qualifying and reporting GHG emissions
- Build GHG inventory and conduct internal carbon audit to minimize incidents that result in liability
- Improve the performance of GHG emissions reduction
- Demonstrate commitment of environmental protection



溫室氣體核證

一九九七年簽定的京都協議書，到最近哥本哈根COP15「《聯合國氣候變化綱要公約》暨《京都議定書》第十五次締約國會議」。各國對溫室氣體減排的協定，有關溫室氣體（GHG）排放的政治和監管意識正在不斷變化和迅速增加。在不斷變化的溫室氣體政策與法規制定，不久的將來肯定會影響商業事業和他們的商業夥伴。

企業商業定位調整以適應有關溫室氣體排放的碳管制的未來日益增多。同時對通過認證的企業及符合資格的測量，會計，審核，溫室氣體排放管理的專業人員也要求有高水平競爭力和道德標準。

ISO 14064認證是一國際標準，提供一架構讓機構組織可以量化並報告溫室氣體排放與清除。該標準有明確的要求或規格，以支援企業組織的溫室氣體減排為目標。企業經過ISO 14064認證過程，可幫助企業於要求碳管制的趨勢。



ISO 14064認證的目的為：

- 透過促進溫室氣體量化、監測、報告和核查的連貫性、透明度和可信性，加強環境的完整性。
- 使組織能夠識別和管理與溫室氣體相關的責任、資產和風險。
- 促進溫室氣體排放餘額的貿易。
- 支持可比較及一致的溫室氣體計劃或項目的設計、開發及執行。

ISO 14064認證包含三個標準，分別詳述組織和項目層面的規範和指導，以及審定和核查。

ISO 14064-1:2006，溫室氣體：

第一部：指導及規範於組織層面量化及匯報溫室氣體的排放與清除

ISO 14064-2:2006，溫室氣體：

第二部：指導及規範於項目層面量化、監察及匯報溫室氣體的減排與清除的落實提高

ISO 14064-3:2006，溫室氣體：

第三部：指導及規範溫室氣體的主張之審定和核查

好處：

發展最佳實踐和內部構造，對溫室氣體排放進行量化和報告
建立溫室氣體清單並進行內部碳排放審核以減少因事故引起的責任
改進減少溫室氣體排放的表現
展示對環境保護的決心

