



International Organization for Standardization

ISO 14064

ISO 14064 provides organisations with the tools for programmes to measure, quantify and reduce Greenhouse Gas Emissions (GHG) and achieve carbon neutrality.



Best Practices in the field of

GREENHOUSE GASES

At ES Management, we are committed to addressing your efforts to reduce the environmental impact of your business, conserving resources and improving the bottom line through efficient energy management. We are committed to help you achieve your ISO 14067 costs effectively. Because at ES, we believe, ENVIRONMENTAL PROTECTION shouldn't be expensive.



Standards gives your business access to new markets.

You may be eligible for government contracts/ grants that require adherence to certain standards. Or, maybe, you'll be able to join the supply chain of a larger company or a megaproject. These standards are recognized worldwide and can increase your credibility with customers especially in the international markets.

Environmental Conservation shouldn't be expensive.

A Carbon Footprint takes all six of the "Kyoto Protocol" Greenhouse gases into consideration and is calculated using a Carbon Calculator.

A very basic explanation is that Greenhouse Gases are made up of the six "Kyoto Protocol" greenhouse gases – Carbon Dioxide (CO2), Methane (CH4), Nitrous Oxide (N2O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs) and Sulphur Hexafluoride (SF6).

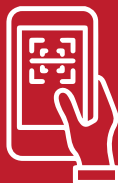
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RELATED ENVIRONMENTAL PERFORMANCE STANDARDS

ISO 14001 is an internationally agreed standard that sets out the requirements for an environmental management system.



ISO 50001
Energy Management



ISO 14064
Greenhouse Gases



ISO 14001
Environmental management

STEPS TO CERTIFICATION

Step 1

Complete a Quote Request Form so that we can understand your company and requirements. You can do this by completing either the online quick quote or the online formal quote request

form. We will use this information to accurately define your scope of assessment and provide you with a proposal for certification.

Step 2

Once you've agreed your proposal, we will contact you to book your assessment with an ES Management Assessor. This assessment consists of two mandatory visits that form the Initial Certification Audit.

Please note that you must be able to demonstrate that your management system has been fully operational for a minimum of three months and has been subject to a management review and full cycle of internal audits.

Step 3

Following a successful two stage audit, a certification decision is made by an external auditor, then certification to the required standard is issued by ES Management. You will

receive both a hard and soft copy of the certificate. Certification is valid for three years and is maintained through a programme of annual surveillance audits and a three yearly recertification audit.

BENEFITS OF AN ISO 14064 CERTIFICATION

GHG* - Greenhouse Gases

GHG* emissions inventory and reporting may be pursued by an organization for a number of reasons such as to contribute to their annual report, to communicate to their customer, to meet regulatory or investor reporting requirements, or publicly disclose their emission reduction achievements.

Recent global agreements, such as the Paris Agreement, and increasing public focus on climate change impacts, lead to comprehensive governmental action plans and aggressive reduction targets.

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BENEFITS OF PRODUCT CARBON FOOTPRINT (PCF)

Is ISO 14064 certification right for me?

Carbon Footprint Verification (CFV) is fundamental to provide credibility and complete accuracy of the product's carbon footprint. Therefore, reassuring an organisation's internal and external stakeholders.

ES MANAGEMENT International independently verifies the accuracy of a products carbon footprint. Thus, organisations can identify the level of emissions resulting from each process during the entire life cycle of the product.



SHOWCASE INTEGRITY

Verification against ISO 14064-1 and ISO 14064-2 highlights the veracity of your systems and processes to prove your GHG inventory, assertions and reports conform to the ISO 14064



HIT TARGETS

Validation against ISO 14064-2, establishes the integrity of your project baseline, design plan and supporting assumptions to ensure you realise your projected GHG reductions.



VALIDATE SUCCESS

Verification of your GHG* projects gives assurance to your stakeholders of the quantum of emission reductions achieved in a specified period.

GHG* - Greenhouse Gases

Best Practices

Stakeholders, including investors and staff, are also driving companies to have effective measures in place with respect to ESG (environmental, social and corporate governance) issues, and verified PCF is an important step in reaching that goal.

Many customers are looking to use their purchasing choices as a way to help protect the planet from climate change. Forward-thinking businesses are therefore measuring the carbon footprint of their products to enable consumers to make that choice, and at the same time gain a better understanding of their GHG emissions so that they can reduce them.

The GHG Protocol Corporate Accounting and Reporting Standard provides standards and guidance for companies and other organizations preparing a GHG* emissions inventory.

It covers accounting and reporting of the six greenhouse gases covered by the Kyoto Protocol – carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFC's), perfluorocarbons (PFC's) and sulphur hexafluoride (SF₆-). The GHG Protocol was designed to provide a consistent, reproducible, transparent and simplified approach to GHG Emissions Accounting & Reporting. Both businesses and other stakeholders benefit from converging on a common standard.

GHG* - Greenhouse Gases

Scope 1 – Direct GHG Emissions: Direct GHG emissions occur from sources that are owned or controlled by the company, for example, emissions from combustion in owned or controlled boilers, furnaces, vehicles, etc. Additionally, fugitive emissions, such as unintentional release of GHG from sources including refrigerant systems and natural gas distribution.

Scope 2 – Electricity and Indirect GHG Emissions: Scope 2 accounts for GHG emissions from the generation of purchased electricity consumed by the company. Purchased electricity is defined as electricity that is purchased or otherwise brought into the organizational boundary of the company. Scope 2 emissions physically occur at the facility where electricity is generated.

Value Chain (Scope 3) – Other Indirect GHG Emissions: Emissions that are a consequence of the operations of an organization but are not directly owned or controlled by the organization. Scope 3 includes a number of different sources of GHG including employee commuting, business travel, third-party distribution and logistics, production of purchased goods, emissions from the use of sold products, waste disposal, and several more.

The ISO 14064-3 verification standard is one of the standards accepted by the Carbon Disclosure Project, the widely used climate impact disclosure system, as a valid framework for measuring and reporting GHG emissions.

ISO 14067 makes a valuable contribution to GHG quantification, allowing a transparent communication and comparison of CFPs made among identical quantification and communication requirements.

The CDP (formerly the Carbon Disclosure Project) is an international non-profit organisation based in the United Kingdom, Japan, India, China, Germany and the United States of America that helps companies and cities disclose their environmental impact. It aims to make environmental reporting and risk management a business norm, driving disclosure, insight, and action towards a sustainable economy. In 2021, over 14,000 organizations disclosed their environmental information through CDP.