

Carbon Reporting & ESG - a Golden Opportunity for Auditors

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President

Hong Kong Institution of Certified Auditors

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- Validation and Verification Body
- HKICA Professional and Extension

Market Demand: Carbon and ESG Personnel

Carbon Reporting Manager - ESG Consultancy

CBRE
Birmingham

- As an experienced **Carbon Reporting** Manager, you will use your in-depth understanding of **carbon reporting** standards, protocols, and methodologies to lead the...

Carbon Manager (Part Time)

Skanska
London

- Support Building in the development, maintenance and updating of **carbon reporting**, against targets, including **carbon** dashboards.

Carbon Analyst

SmartestEnergy
Hybrid work in London E14

- Provide good quality fundamental analysis on **Carbon** markets, both Compliance **reporting** to the Head of **Carbon**, the Net Zero leadership in London...

Senior Consultant- Net Zero

ERM Group
Hybrid work in London

- Knowledge of **reporting** frameworks (e.g. CDP and TCFD disclosures), and developments in the field, such as those around corporate sustainability...


Climate, Carbon & ESG Director

Logika Group
London EC1N

- Expertise in GHG emissions **reporting** and low **carbon** transition (from global to company level).
- Working with clients on their TCFD actions and developing...

ESG Reporting & Communications Manager


Halfords
Redditch

 Typically responds within 3 days


- Lead ESG **reporting** and ensuring adherence to regulatory requirements.
- Deliver the company's external ESG corporate **reporting** and benchmarking

Market Demand: Carbon and ESG Personnel


Job postings
Saved jobs
Following




Manager, ESG Reporting, Advisory and Assurance (MJ002537)
 KPMG China
 Hong Kong • via LinkedIn
 Full-time




ESG Reporting Manager – HK listed
 Lauris Walton
 Hong Kong • via Lauris Walton
 Full-time




ESG Manager/Analyst (ESG/Sustainability Consultancy and Reporting)
 Hong Kong Appraisal Advisory
 Hong Kong • via Indeed
 Full-time




Senior Manager, Corporate Communications & ESG | Hong Kong, HK
 Dah Sing Financial Group
 Hong Kong • via EFinancialCareers
 4 days ago Full-time




Senior Consultant – ESG Reporting
 Lauris Walton
 Hong Kong • via Lauris Walton
 Full-time




Senior Data Analyst - Companies, ESG, Hong Kong | H
 Bloomberg
 Hong Kong • via EFinancialCareers
 Full-time




ESG Strategy Manager
 Randstad Hong Kong
 Hong Kong • via Randstad Hong Kong
 29 days ago HK\$60K–HK\$65K a month Full-time



ESG Consultant
 Classy Wheeler
 Hong Kong • via Glassdoor
 18 days ago Full-time



Manager, ESG Reporting, Advisory and Assurance
 EASY EASY LIMITED
 Kowloon • via Moovup
 3 days ago HK\$20K–HK\$25K a month



ESG/Sustainability Consultant (Remote)
 ELITE ASIA (SG) PTE. LTD.
 Hong Kong • via Glassdoor
 15 days ago Part-time

Job description and responsibility

Assistant Manager / Manager | ESG Advisory

Job Description

Due to recent growth across our Valuation & Advisory Services business, we are sourcing for aspiring ESG professionals to grow with our business.

Key responsibilities include:

- Deliver ESG advisory service for asset owners, investors, landlord and/or occupiers
- Responsible for solution development and deliver consultancy project on a professional manner
- Evaluating the environmental impact a building has through research, such as determining their carbon footprint, energy use, water use, waste production and air quality
- Develop strategy and roadmap to minimize the negative impact a company or an asset has on the environment
- Utilizing ESG rating system to evaluate a corporate current ESG position and provide suggestion how to improve the rating

Job description and responsibility

Environmental, Social and Governance (ESG) Manager – General Requirements

Environmental science and policy knowledge

Environmental, Social and Governance (ESG) Managers often have a well-developed understanding of the science behind environmental problems such as climate change and the effect of natural resources. They understand social issues related to environmental management. They have knowledge of environmental laws and regulations and business practices.

Systems thinking skills

Environmental, Social and Governance (ESG) Managers understand the interdependency between systems and subsystems that are relevant for sustainable development. They are able to think holistically. They understand relevant drivers, values, standards and regulations and have the ability to understand the underlying intrinsic drivers of corporate sustainability.

Management and entrepreneurship skills

Environmental, Social and Governance (ESG) Managers manage or lead sustainability-focused strategies and identify, prioritise and realise the plan and initiatives. They have the ability to develop a sustainability vision and to translate this into a sustainability program/plan, as well as manage it.

Job description and responsibility

Environmental, Social and Governance (ESG) Manager – General Requirements

Academic qualification

A recognized bachelor's degree, preferably with a major in business administration, environmental science and sustainability-related disciplines.

Experience

4 to 5 years of experience in sustainability, preferably working in the financial sector

Career Path



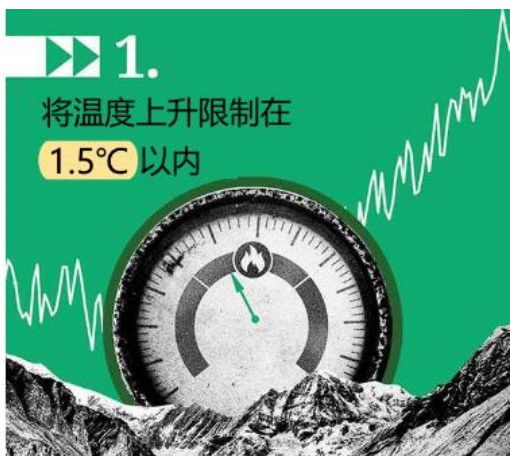
Job description and responsibility

Carbon Personal (Managerial grade)

- Expertise in GHG emissions reporting and low carbon transition
- In-depth understanding of carbon reporting standards, protocols, and methodologies
- Lead ESG reporting and ensuring adherence to regulatory requirements
- Provide good quality fundamental analysis on carbon markets, both compliance reporting to the Head of Carbon, the net Zero leadership
- Knowledge of reporting frameworks (e.g. CDP and TCFD disclosures), and awareness of developments in the field, such as those around corporate sustainability
- Support Building in the development, maintenance and updating of carbon reporting, against targets, including carbon dashboards.

《巴黎协定》

- 197个国家于2015年12月12日在巴黎召开的缔约方会议第二十一届会议上通过了《巴黎协定》
- 旨在大幅减少全球温室气体排放
- 于2016年11月4日正式生效
- 以五年为一个周期，每个国家都要提交一份最新的国家气候行动计划



第七十五届联合国大会 (2020年9月22日)

习近平在第七十五届联合国大会一般性辩论上的讲话 (全文)

2020-09-23 11:25



9月22日，国家主席习近平在第七十五届联合国大会一般性辩论上发表重要讲话。新华社记者 鞠鹏 摄

全球绿色低碳转型的
大方向.....

中国将提高国家自主
贡献力度，采取更加
有力的政策和措施，
二氧化碳排放力争于
2030年前达到峰值，
努力争取2060年前实
现碳中和...

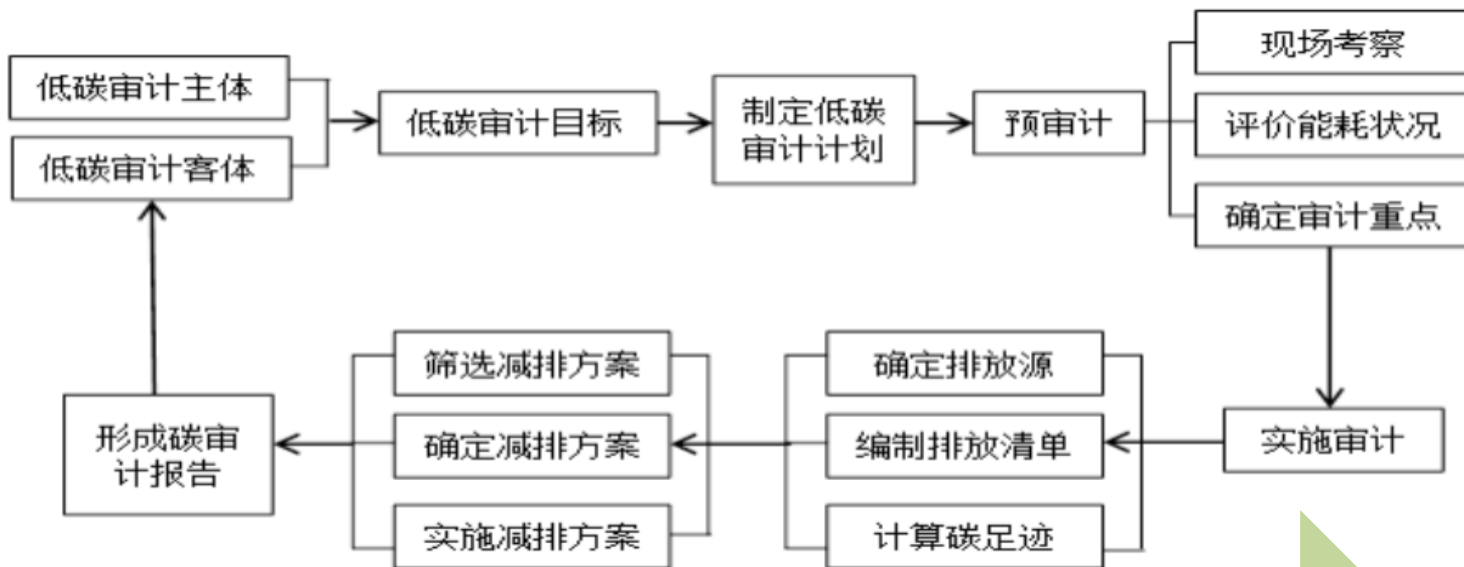


中华人民共和国中央人民政府

www.gov.cn

政策文件	政策要求
一、 第十四个五年规划 和二〇三五年远景目标的建议 (发布日期：2020年10月29日)	十、推动绿色发展，促进人与自然和谐共生 35.加快推动绿色低碳发展。... 制定二〇三〇年前碳排放达峰行动方案。
二、 中共中央国务院 关于完整准确全面贯彻新发展理念做好碳达峰碳中和工作的意见 (发布日期：2021年10月24日)	二、主要目标 到2025年，绿色低碳循环发展的经济体系初步形成...到2030年，经济社会发展全面绿色转型取得显著成效 八、加强绿色低碳重大科技攻关和推广应用 (二十) 培育一批节能降碳和新能源技术产品研发国家重点实验室... 建设碳达峰、碳中和人才体系，鼓励高等学校增设碳达峰、碳中和相关学科专业。
三、 2030年前碳达峰行动方案 (发布日期：2021年10月24日)	一、... 确保如期实现2030年前碳达峰目标。 七(2) 加强创新建设各人才培养

双碳 碳审计/审定/核查



碳达峰

碳中和

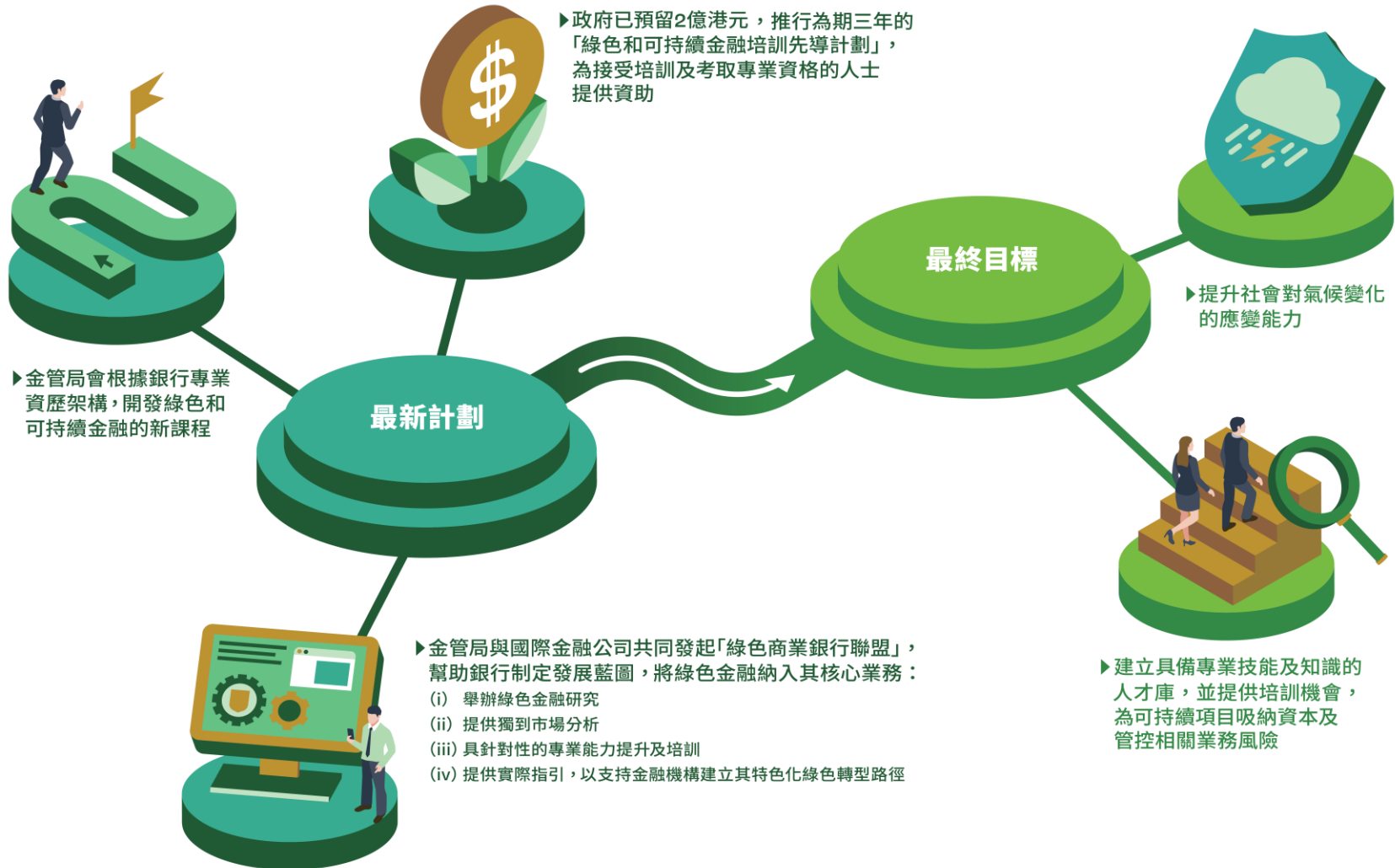
2030年

2060年

建设碳达峰、碳中和人才体系，鼓励高等学校增设碳达峰、碳中和相关学科专业。

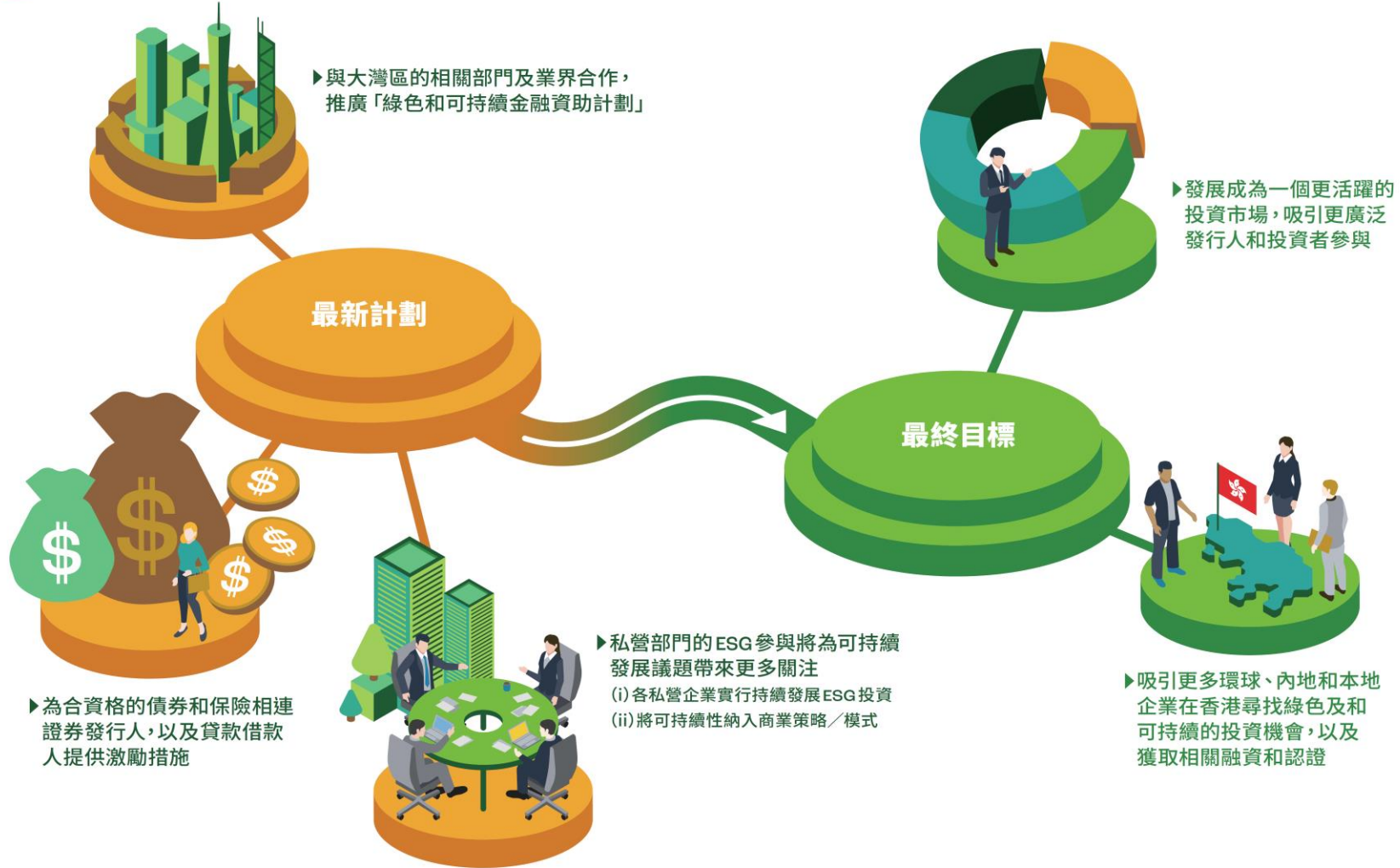
香港可持續未來之路

能力提升 (人才與關注)



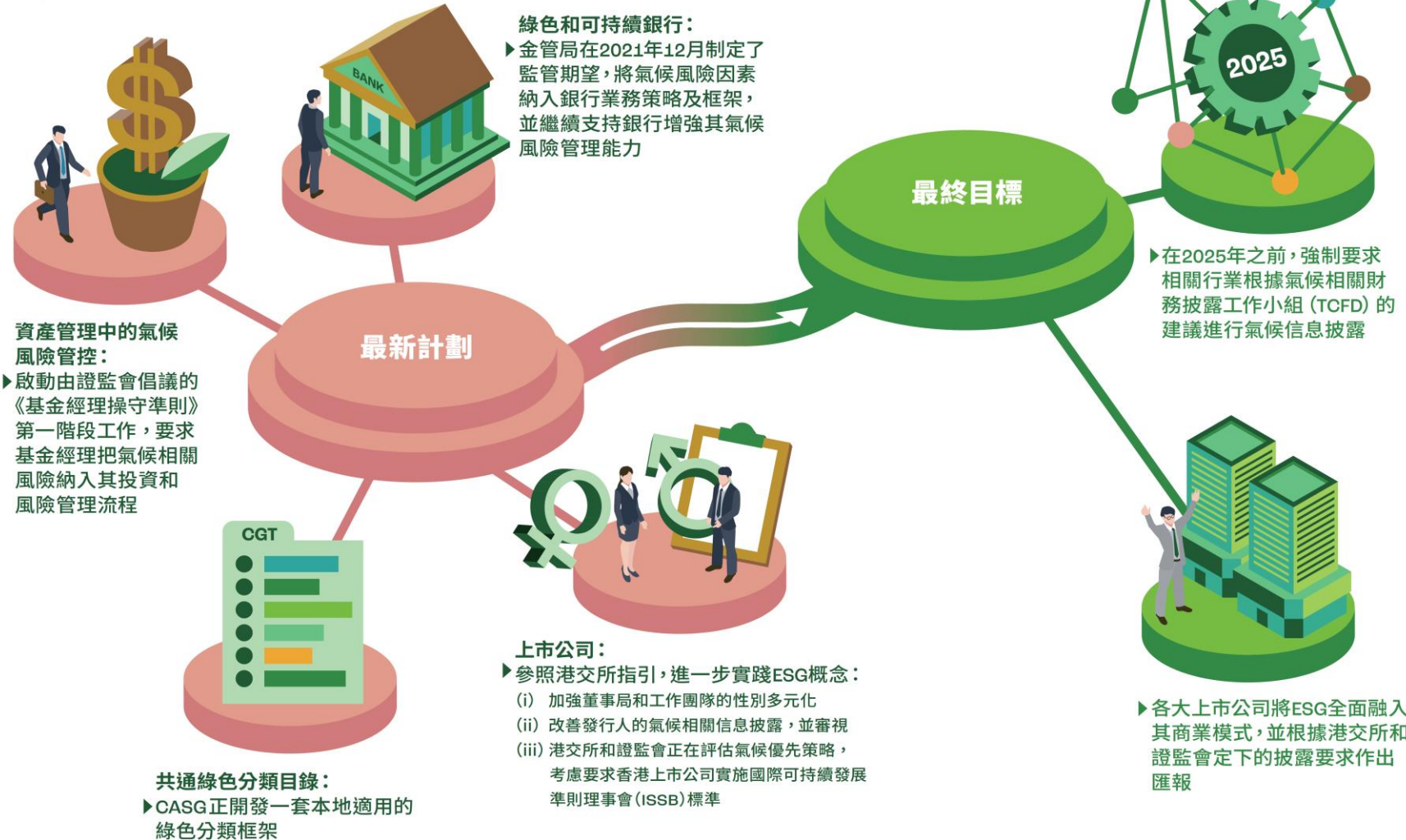
香港可持續未來之路

激勵措施



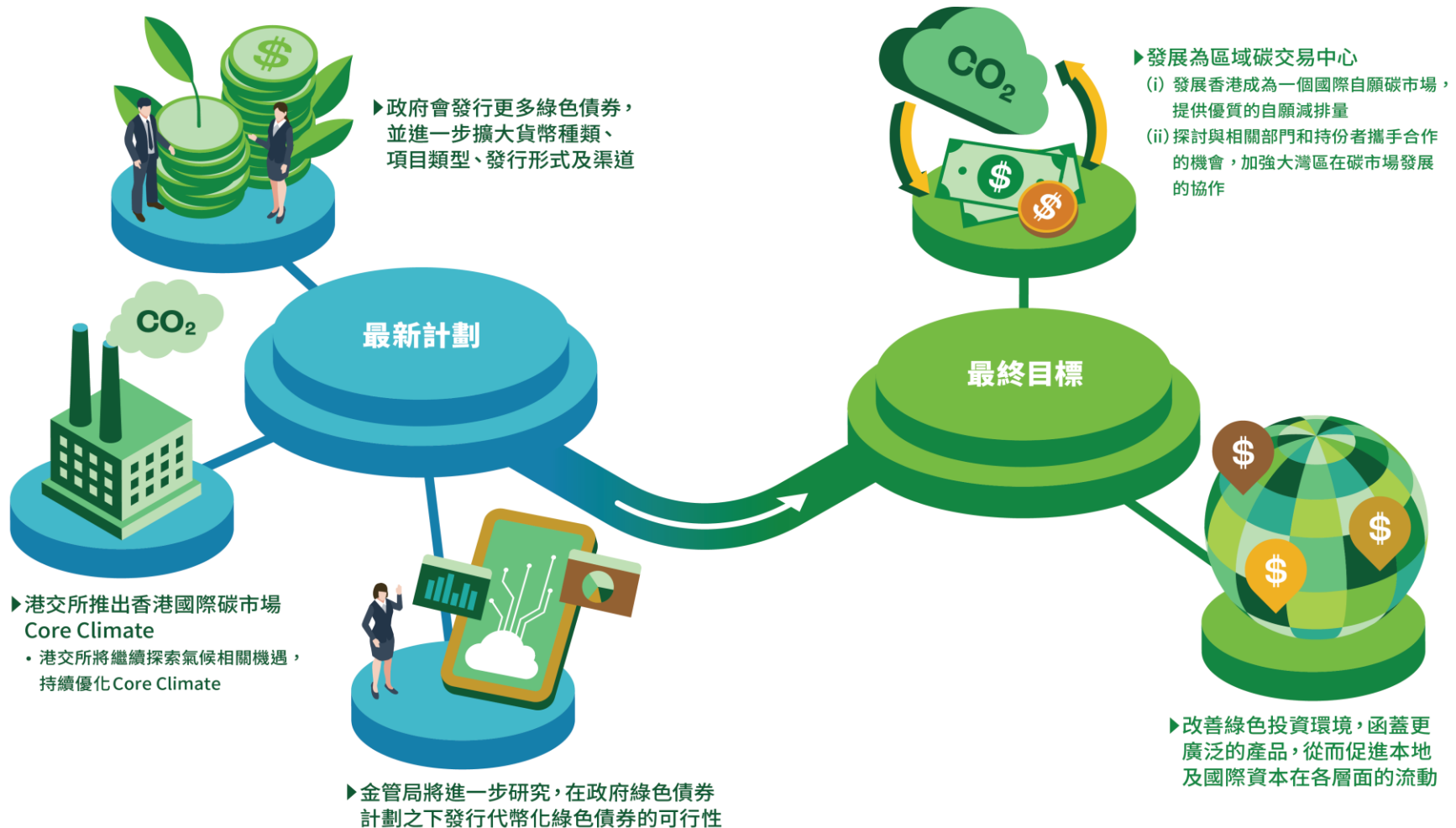
香港可持續未來之路

監管 (信息披露和標準)



香港可持續未來之路

市場規模／產品



Carbon audit

What is a carbon audit?

A carbon audit, sometimes referred to as a 'carbon footprint', is a means of measuring and recording the GHG emissions of an organization or building within a defined system boundary.

Carbon audit in Hong Kong

Climate change is one of the most important challenges facing mankind. Government is embarking upon a series of measures to reduce greenhouse gas (GHG) emissions. These include promoting use of cleaner energy and renewable energy, improving energy efficiency and energy conservation, encouraging greening and raising public awareness.

Being a service economy without any major energy-intensive industries, electricity generation is the major source of GHG emissions in Hong Kong, accounting for over 60% of the total local emissions. The transport sector is the second largest GHG emission source (16%), followed by waste (12%). Among various end uses of electricity, buildings account for some 89% in Hong Kong.

Carbon audit

To reduce GHG emissions arising from electricity consumption in buildings, it is believed that an important step which could be taken by owners and managers of buildings is to find out the amount of GHG released to the atmosphere arising from the operation of their buildings and to take appropriate actions to reduce such emissions.

To facilitate carbon audit action, the Environmental Protection Department (EPD) and the Electrical and Mechanical Services Department (EMSD) have drawn up a set of "[Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings in Hong Kong](#)". The Guidelines provide a systematic and scientific approach for building owners and managers to account for and report on the GHG emissions arising from the operations of their buildings in Hong Kong, identify areas of improvement and conduct voluntary programmes to reduce and / or offset emissions arising from buildings according to their own goals. For detail information of carbon audit, please visit <https://cnsd.gov.hk/en/green-business-and-industry/carbon-audit/>

Energy audit

What is Energy Audit?

Energy audit is a regular review of the usage of energy in a building to increase effectiveness of energy. The auditors examines the energy account of energy consuming equipment, checks the way energy is used in its various components and identifies savings opportunities. An energy audit process typically includes:

- Analysis and assessment of your system/equipment's energy performance
- Identification of "Energy Management Opportunities (EMOs)"
- Potential saving estimates
- Recommendations for energy savings solutions



Benefits from Energy Audit

Energy Audit is an effective energy management tool. By identifying and implementing the means to achieve energy efficiency and conservation, not only can energy savings be achieved, but also equipment/system services life can be extended. All these mean savings in money. Based on the principle of "The less energy is consumed, the less fossil fuels will be burnt", the power supply companies will generate relatively less pollutants and by-products. Therefore, all parties concerned contribute to conserve the environment and to enhance sustainable development

Energy audit

Typical Procedure to Conduct Energy Audit

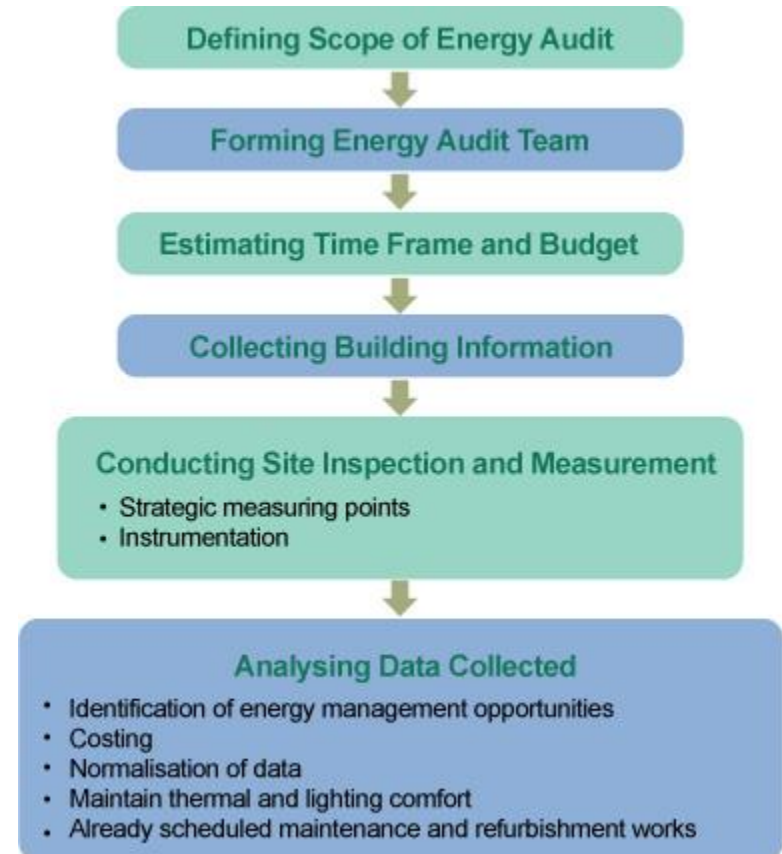
- 1) Defining scope of energy audit, e.g. walk through audit is suitable for organization with limited resource and detailed audit is suitable for organization with more resources
- 2) Forming an energy audit team. The team shall include management representatives, maintenance professionals & staff representatives etc.
- 3) Estimate time frame & budget, e.g. auditor-hours, whether any disruption to the occupants, and the cost of measuring instruments etc.
- 4) Collecting building information, e.g. floor area, building orientation, equipment design condition, energy bills and system schematic diagrams etc.
- 5) Conducting site inspection & measurement to identify means for improvement
- 6) Analysing data collected
- 7) Recommending the improvement actions and measures

Energy audit

Energy audit report

The report should outline the objectives and scope of audit, description of characteristics and operational conditions of equipment/systems audited, findings in the audit, EMOs identified, corresponding savings and implementing costs, recommendations on EMO implementation and programme and any other follow-up actions.

Upon completion of all EMOs identified in an energy audit, a minimum energy saving of 5%-10% could be achieved for a typical commercial building.



ESG 披露

ESG 是企业关于环境、社会和治理，衡量企业可持续发展的三个核心框架。ESG报告中的信息披露，是捕捉企业日常活动中的所有非财务风险和机遇，促进经济价值和社会价值统一。

迄今为止，**国际尚无一致商定的 ESG 披露指南**。一些证券交易所、领先的国际非政府组织或贸易组织制定的ESG披露项目，大多包括企业社会责任、环境标准、合规义务、体系或产品责任和安全要求。

ESG 披露

内地，T/CERDS 2-2022：企业ESG披露指南提供了4个级别的企业ESG披露框架，包括披露原则；披露指标体系；披露要求和应用；责任和监督。一级**指标**代表环境、社会和企业管治3项基本准则，第二级指标（10个）和第三级指标（35个）针对ESG相关理论、相关法律法规和标准；第四级指标（118个）说明相应的测量和评估方法。

香港联合交易所（港交所）2020年7月1日《环境、社会及管治（ESG）报告指引》开始香港上市公司需要在其ESG报告中披露更多有关其ESG活动和结果的信息。涉及环境和社会主题领域，而管治部分继续在单独的《公司管治准则》中讨论。环境和社会主题领域均包含12个层面和36个关键**绩效指标**（“KPI”）。

香港交易所環境、社會及管治框架下 氣候信息披露的實施指引

第5章：指標及目標 ESG

溫室氣體排放	72
跨行業指標	100
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氣候相關目標	111

目的

本章的目的是討論發行人應如何衡量其氣候相關風險和機遇，以告知持份者其在管理氣候相關風險和機遇方面取得的進展，以及與同一領域或行業內的公司相比其表現如何。

ESG reporting works involved scopes of carbon emission calculation/assessment/validation

溫室氣體排放

按照《溫室氣體核算體系》，溫室氣體排放可劃分為三個範圍⁴⁸。

- **範圍1溫室氣體排放**：由發行人擁有或控制的來源產生的直接排放；
- **範圍2溫室氣體排放**：由發行人內部消防大耗（購買回來或獲得的）電力、熱能、製冷和蒸汽的生成而導致的「能源間接」排放；及
- **範圍3溫室氣體排放**：由公司活動產生的所有其他間接排放，但不包括由發行人擁有或控制來源產生的排放。

選擇計算方法

設定邊界後，發行人應確定其量化溫室氣體排放的計算方法。根據數據的成熟度，發行人可通過(1)直接計量，或(2)估算方法量化溫室氣體排放：

- **(1) 直接計量**：採用直接監測、質量平衡法或化學計量法量化溫室氣體排放

$$\text{溫室氣體排放} = \text{排放數據} \times \text{全球變暖潛力值(GWP)}$$

- **(2) 估算**：通過將活動數據乘以排放係數，以量化溫室氣體排放

$$\text{溫室氣體排放} = \text{活動數據} \times \text{排放係數} \times \text{GWP值}$$

為計量溫室氣體排放，發行人可參照下列工作流程：





一家香港公司於2022年度已消耗2,500兆瓦時電力：

發行人就其營運所在地區識別排放系數。由於發行人在新界營運，其已識別由中華電力有限公司（「中電」）在其2022年可持續發展報告中提供的排放系數，中電為該服務地區唯一的能源供應商和電網營運商⁵⁷。

中電所銷售電力的二氧化碳當量排放量 (千克二氧化碳當量/ 千瓦時) ⁵⁸	0.39
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範圍2（地域為基準）溫室氣體排放：

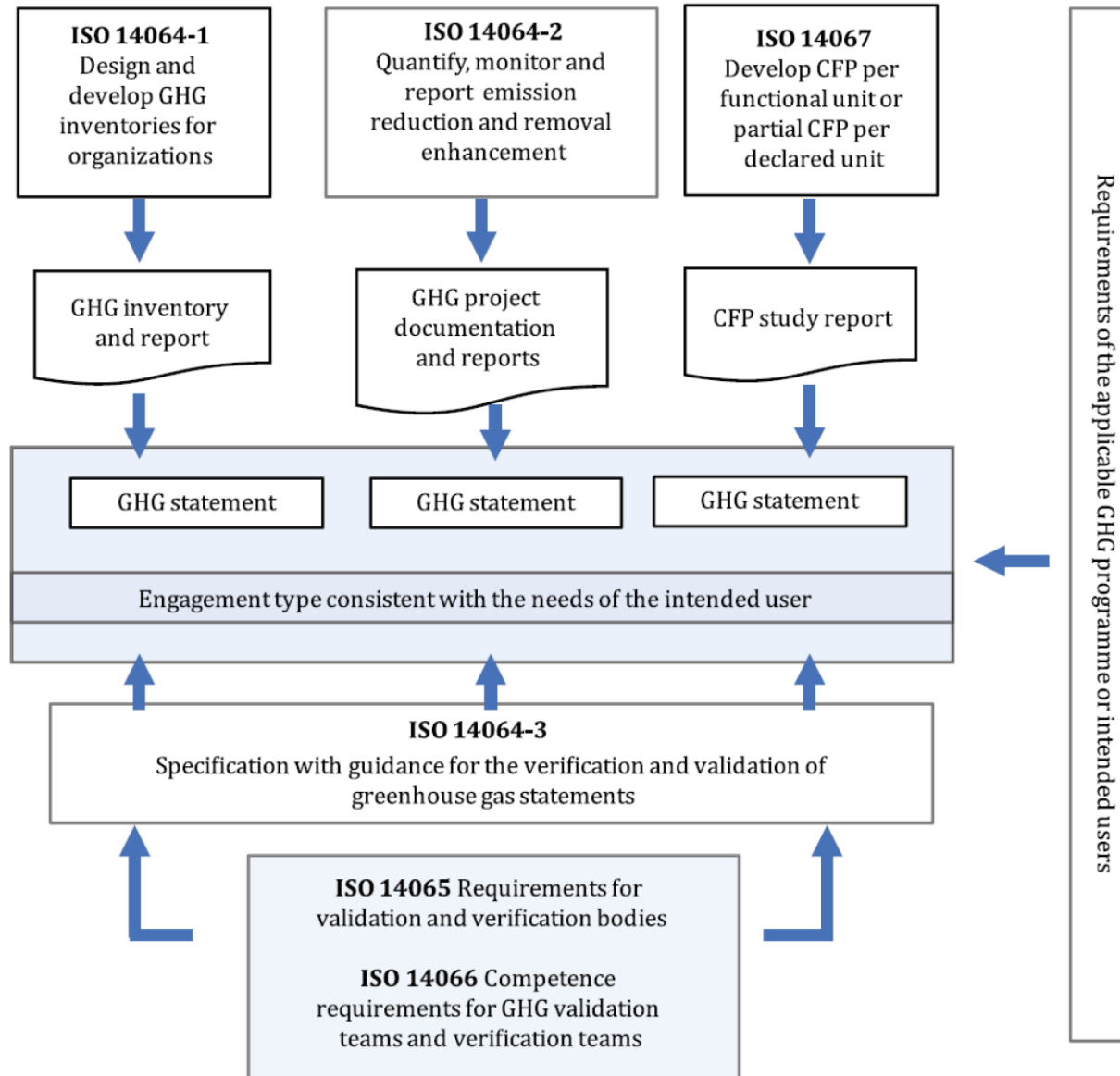
$$\begin{aligned}
 &= 2,500 \text{兆瓦時} \times 1,000 \text{ 千瓦時/ 兆瓦時} \times \\
 &0.39 \text{ 千克二氧化碳當量/ 千瓦時} \times 0.001 \text{ 公噸/ 千克} \\
 &= 975,000 \text{ 千克二氧化碳當量} \times 0.001 \text{ 公噸/ 千克} \\
 &= 975 \text{ 公噸二氧化碳當量}
 \end{aligned}$$

於該年度內，發行人亦從中電購買了可再生能源憑證，用於其1,200兆瓦時的電力消耗。

然而，發行人應注意可能存在排放系數並未換算為二氧化碳當量值的情況，例如：電力排放系數按使用的每單位電力排放的二氧化碳（CO₂）、甲烷（CH₄）和一氧化二氮（N₂O）進行呈報。在此情況下，發行人需要使用在報告日期可獲得的最新IPCC評估提供的100年時間範圍的全球變暖潛力值，將該等數值換算為二氧化碳當量值。

HKEx with calculation example of Carbon equivalent

Carbon Audit / Certification and Reporting



ESG (disclosure)

Validation and Verification Reporting

- ISO 14064-1:2018 Part 1:** Specification with guidance at the organization level for quantification & reporting of GHG emissions & removal
溫室氣體盤查標準
(ISO14064-1 requirements cover the design, development, management, reporting and verification of an organization's GHG inventory.)
- ISO 14064-2:2019 Part 2:** Specification with guidance at the project level for quantification, monitoring & reporting of GHG emission reductions or removal enhancement
企業層級溫室氣體排放與清除
- ISO 14064-3:2019 Part 3:** Specification with guidance for the verification & validation of GHG statements
(包含有關於溫室氣體減量與移除之強化倡議/ 專案 / 目標等)
- ISO 14066:2011** Greenhouse gases - Competence requirements for greenhouse gas validation teams and verification teams
- ISO 14067:2018** Greenhouse gases - Carbon footprint of products — Requirements and guidelines for quantification 產品碳足跡
- ISO 14065:2020** General principles and requirements for bodies validating and verifying environmental information
- ISO/IEC 17029:2019** Conformity assessment - General principles and requirements for validation and verification bodies

ISO 14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification

ISO 14067 specifies the principles, requirements and guidelines for the quantification and reporting of the carbon footprint of a product (CFP), and is consistent with life cycle assessment (LCA) Standards (ISO 14040 and ISO 14044). This Standard contributes to the UN Sustainable Development Goal 13 on Climate Change.

ISO 14067產品碳足跡 (Product Carbon footprint) 是指商品 (或服務) 在整個「生命週期」中因直接及間接活動所排放與移除的溫室氣體總量。溫室氣體排放 (統稱碳排放), 大多局限於製造所產出的量。但根據近些年的盤查經驗可發現, 企業所產生的最大碳排放量, 不一定是製程階段, 許多時候可能是會在 上下游運輸或 使用階段 的排放量最大。

Validation and Verification Body

Validation and Verification Body and Statement

1. HKCAS Supplementary Criteria No. 9 – Accreditation Programme for Greenhouse Gas Validation and Verification – Validation and/or Verification of Greenhouse Gas Statements at Organisation Level, and Validation and/or Verification of Greenhouse Gas Statements at Project Level (Issue No. 11)

PDF: https://www.itc.gov.hk/en/quality/hkas/doc/SupplementaryCriteria/HKCAS_SC-09.pdf

2. HKCAS Supplementary Criteria No. 16 – Accreditation Regulations Specific for HKCAS – Validation and Verification Body (Issue No. 3)

PDF: https://www.itc.gov.hk/en/quality/hkas/doc/SupplementaryCriteria/HKCAS_SC-16.pdf

Validation and Verification Body

HKCAS Supplementary Criteria No. 9

Accreditation Programme for Greenhouse Gas Validation and Verification – Validation and/or Verification of Greenhouse Gas Statements at Organisation Level, and Validation and/or Verification of Greenhouse Gas Statements at Project Level

1 Introduction

- 1.1 HKAS accreditation for Greenhouse Gas (GHG) Validation and Verification Bodies is provided under Hong Kong Certification Body Accreditation Scheme (HKCAS) and is open for voluntary application from any GHG V/VB^{Note} that undertakes a third-party validation and/or verification of GHG statements at organisation level to ISO 14064-1: 2018, or validation and/or verification of GHG statements at project level to ISO 14064-2: 2019 for areas described in Appendix A.

Note: In this document, V/VB refers to 'validation body', 'verification body' or 'validation and verification body'.

Validation and Verification Body

HKCAS Supplementary Criteria No. 9

Area No.: 3

Description: Validation of Greenhouse Gas Statements at Project Level

Standard: ISO 14064-2

Sub-area under this area:

No.	Description	Technical area covered by this sub-areas
3.1	Energy Industries (renewable/non-renewable sources)	Thermal energy generation from fossil fuels and biomass including thermal electricity from solar Energy generation from renewable energy sources
3.2	Energy Distribution	Electricity distribution Heat distribution
3.3	Energy Demand	Energy demand
3.4	Manufacturing Industries	Cement sector

		Aluminium
		Iron and steel
		Refinery
3.5	Chemical Industry	Chemical process industries
3.6	Construction	Construction
3.7	Transport	Transport
3.8	Mining/Mineral Production	Mining and mineral processes, exc industry, coal mine methane recove Oil and gas industry, coal mine me and use
3.9	Metal Production	Metal production
3.10	Fugitive Emissions from Fuels (solid, oil and gas)	Mining and mineral processes, exc industry, coal mine methane recove Oil and gas industry, coal mine me and use
3.11	Fugitive Emissions from Production and Consumption of Halocarbons and Sulphur Hexafluoride	Chemical process industries GHG capture and destruction
3.12	Solvents Use	Chemical process industries
3.13	Waste Handling and Disposal	Waste handling and disposal Animal waste management
3.14	Afforestation and Reforestation	
3.15	Agriculture	Agriculture
3.16	Carbon Capture and Storage of CO ₂ in Geological Formations	Carbon capture and storage of CO ₂ formations

HKCAS Supplementary Criteria No. 9



Description: Validation of Greenhouse Gas Statements at Organisation Level

Standard: ISO 14064-1

Sub-area under this area:

No.	Description	Examples of included activities
1.1	Power Generation and Electric Power Transactions	<ul style="list-style-type: none"> • Transmission of electricity • Generation of bulk electric power • Transmissions from generating facilities to distribution centres and/or distribution to end users • Renewable energy systems • Purchased electricity, steam
1.2	General Manufacturing (physical or chemical transformation of materials or substances into new products)	<ul style="list-style-type: none"> • Manufacturing – Electric and electronics equipment, industrial machinery • Manufacturing – Food processing <p>Note: Civil engineering e.g. construction will be covered under this sector</p>
1.3	Oil and Gas Exploration, Extraction, Production and Refining, and pipeline distribution, including Petrochemicals	<ul style="list-style-type: none"> • Conventional exploration and production • Oil sands and heavy oil upgrading • Coal bed methane production • Gas processing plants • Gas well completions • Transportation and distribution • Natural gas storage and LNG operations • Crude oil transportation • Refining • Petrochemical manufacturing • Emissions from process vents in oil and gas treatment • Process emissions (e.g. glycol dehydration, acid gas removal/sulphur recovery, hydrogen production, fluid catalytic cracker (FCC) catalyst regeneration) • Venting emissions (e.g. vessel loading, tank storage and flashing, and venting of associated gas) • Fugitive emissions (e.g. leaks from equipment and piping components) • Non-routine events (e.g. gas releases during planned pipeline and equipment maintenance, releases from unplanned events)
1.4	Metals Production	<ul style="list-style-type: none"> • Production of processing of ferrous metals • Production of secondary aluminium • Processing of non-ferrous metals, including production of alloys • Production of coke

		<ul style="list-style-type: none"> • Metal ore roasting or sintering, including pelletisation • Production of pig iron or steel including continuous casting
1.5	Aluminium Production	<ul style="list-style-type: none"> • Primary aluminium
1.6	Mining and Mineral Production	<ul style="list-style-type: none"> • Production of cement clinker and production of lime or calcinations of dolomite or magnetite • Glass and ceramic, mineral wool
1.7	Pulp, Paper and Print	
1.8	Chemical Production	<ul style="list-style-type: none"> • Production of carbon black • Production of ammonia • Production of bulk organic chemicals by cracking, reforming, partial or full oxidation or by similar processes • Production of hydrogen and synthesised gas by reforming or partial oxidation • Production of soda ash and sodium bicarbonate • Production of nitric acid • Production of adipic acid • Production of glyoxal and glyoxylic acid
1.9	Carbon Capture Storage	<ul style="list-style-type: none"> • Capture and transport of GHG by pipelines for geological storage • Geological storage of GHG in a storage site
1.10	Transport	<ul style="list-style-type: none"> • Aviation • Other transportation
1.11	Waste handling and disposal	<ul style="list-style-type: none"> • Water and waste water treatment • Landfill and Composting Facilities
1.12	Agriculture, Forestry and Other Land Use (AFOLU)	
1.13	General	<ul style="list-style-type: none"> • Building Services / facilities management • Education • Hospital • Others

Validation and Verification Body

HKCAS Supplementary Criteria No. 16

Accreditation Regulations Specific for HKCAS – Validation and Verification Body

1 INTRODUCTION

- 1.1 This document provides specific regulations for accreditation of validation and verification bodies (V/VBs) under the Hong Kong Certification Body Accreditation Scheme (HKCAS). All accredited V/VBs shall conform to all the regulations stated in this document at all times. For an applicant V/VB, accreditation will only be granted after it has demonstrated to the satisfaction of HKAS Executive its competence and commitment to conforming to all the regulations stated in this document.

Notes:

- 1. In this document, validation and verification body (V/VB) refers to 'validation body', 'verification body' or 'validation and verification body'.*
- 2. It is the responsibility of a V/VB to carry out its work in accordance with the applicable regulatory requirements of Hong Kong, or of the country where the validation/verification is carried out. It should be emphasised that assessment of the V/VB's compliance with the relevant regulatory requirements is outside the scope of HKCAS accreditation schemes.*

Validation and Verification Body

HKCAS Supplementary Criteria No. 16

3.2 If an accredited V/VB intends to subcontract any part of its validation/verification activities for which it is accredited, the V/VB shall ensure that the subcontractor is competent to perform the activities. A V/VB accredited for performing the activities by HKAS or an accreditation body which has concluded a multilateral recognition arrangement with HKAS is one of the means to demonstrate its competence. A list of such accreditation bodies is obtainable from HKAS Executive. The V/VB shall notify the client in writing of its intention to subcontract the activities, the extent of such subcontracting and the name of the subcontractor. The V/VB shall further ensure that its client agrees to such arrangement and shall keep all records of such subcontracted activities.

Note: HKAS will grant accreditation to a V/VB only those validation/verification activities which the V/VB itself is competent to carry out and which it normally perform such activities itself.

Hong Kong Institution of Certified Auditors 香港專業審核師學會

- ◆ 香港專業審核師學會成立於2006年，學會致力於推行認證認可，檢驗檢測人員專業發展，提升質量管理水平及文化。
- ◆ 2016年5月，香港專業審核師學會人員認證系統獲取中國合格評定國家認可委員會(CNAS)認證，成為符合國際標準ISO17024的人員認可機構，為專業人員提供人員認證服務。推行自願性認證認可，檢驗檢測業人員專業認可註冊服務。
- ◆ 2016年8月，與中國認證認可協會(CCAA)達成互認協議。HKICA質量管理體系審核師，取得CCAA認證資格，成為國家專業技術人員職業資格。
- ◆ 2018年10月，成為國際人員認證協會 MLA多邊互認簽署成員。



2016年5月，獲得中國合格評定國家認可委員會（CNAS）依據ISO17024 的認可，成為人員認證機構。

2016年8月，與中國認證認可協會(CCAA)達成互認協議。HKICA質量管理體系審核師，取得CCAA認證資格，成為國家專業技術人員職業資格。



2018年10月，成為國際人員認證協會
MLA多邊互認簽署成員

粵港澳大湾区工程技术人才
职业资格互认会商会
2019.03.23 广州



2019年 粵港澳大灣區資格互認會商

HKICA Professional and Extension

Membership (會員)

Fellow Member FHKICA	資深會員
Member MHKICA	會員
Student Member	學生會員
Company Member	公司會員

Register Schemes (注册方案)

ISO 9001	质量管理体系
ISO 14001	环境室管理体系
ISO 45001	安全管理体系
ISO 22000	食物管理体系
ISO/IEC17025	实验室管理体系
ISO 15189	医疗实验室管理体系

Registered (注册人员)

Lead Auditor	主任审核师
Auditor	审核师
Assistant Auditor	助理审核师
Internal Auditor	内审师
Quality Manager	审核师
Environmental Manager	环境经理
Laboratory Manager	实验室经理
Product Certification Tech Auditor	产品认证审核师

GHG Carbon Auditor 温室气体碳审核员

Greater Bay Area Reciprocal recognition 粵港澳大灣區資格互認

Quality Management Engineers (QME)	質量管理師
Quality Testing Engineers (QTE)	建築材料質控檢測工程師

HKICA Professional and Extension

GBA Engineer MoU Background (粵港澳大灣區資格互認) 2020

工程技术人才专业资格互认啦！ 粵港澳
大湾区签订首批协议 **2020年7月11**

人民日报客户端广东频道 贺林平 2020-07-11 16:43 浏览量1.2万

广东省工程师学会成立大会暨粤港澳大湾区工程技术人才专业资格互认协议签约仪式今天（7月11日）在广东科学馆举行，粤港澳大湾区工程技术人才专业资格互认协议同时签订。



中共广东省委常委、统战部部长黄宁生代表省委、省政府对广东省工程师学会的成立表示祝贺。黄宁生说，《粤港澳大湾区发展规划纲要》

广东省产品认证服务协会与香港专业审核师学会
质量管理工程技术人才资格互认协议

为加强内地和港澳质量管理工程技术人才的交流与合作，促进粤港澳大湾区的共同发展，广东省产品认证服务协会(以下简称：认证协会)和香港专业审核师学会(以下简称：香港学会)双方通过交流研究，一致认为广东省产品认证服务协会质量管理工程技术人才(以下简称：质量管理工程师)和香港专业审核师学会HKICA质量管理师(以下简称：质量管理师)在培训、评价标准等方面的实质内容上基本相同。经认证协会、香港学会协商，双方同意就广东省产品认证服务协会的质量管理工程师和香港专业审核师学会的质量管理师资格开展资格互认及合作开展粤港澳大湾区质量管理工程技术人才资格评价(以下简称“资格互认”)，签署本协议。

一、资格互认的原则

HKICA Professional and Extension

ICS 03.120.20
A 00

T/GDC

团 体 标 准

T/GDC 51-2020

大湾区检测及认证人员评价要求团標 香港专业审核师学会 - 主要起草單位

大湾区检测与认证技术人员资格评价要求

前 言

本标准按照GB/T 1.1-2009给出的规则起草。

本标准由广东省产品认证服务协会及香港专业审核师学会提出。

本标准由广东省产品认证服务协会归口。

本标准主要起草单位：中国检验认证集团广东有限公司、中国质量认证中心广州分中心、**香港专业审核**

师学会、广东省认证认可协会、必维认证(北京)有限公司、广东省产品认证服务协会、香港通用检测认证有限公司、广东省食品工业研究所有限公司、香港科正认证服务有限公司、华南理工大学材料科学与工程学院、广东中能检测技术有限公司、广州通标检测技术服务有限公司。

本标准主要起草人：陈耀津、**卢耀**、许银叶、陈翔、林棠华、何晓晖、罗剑花、吴健邦、吴凯、史東甫、谢兆良、吴家恒、张炯、易健阳。

2020-04-30发布

2020-05-1

广东省产品认证服务协会

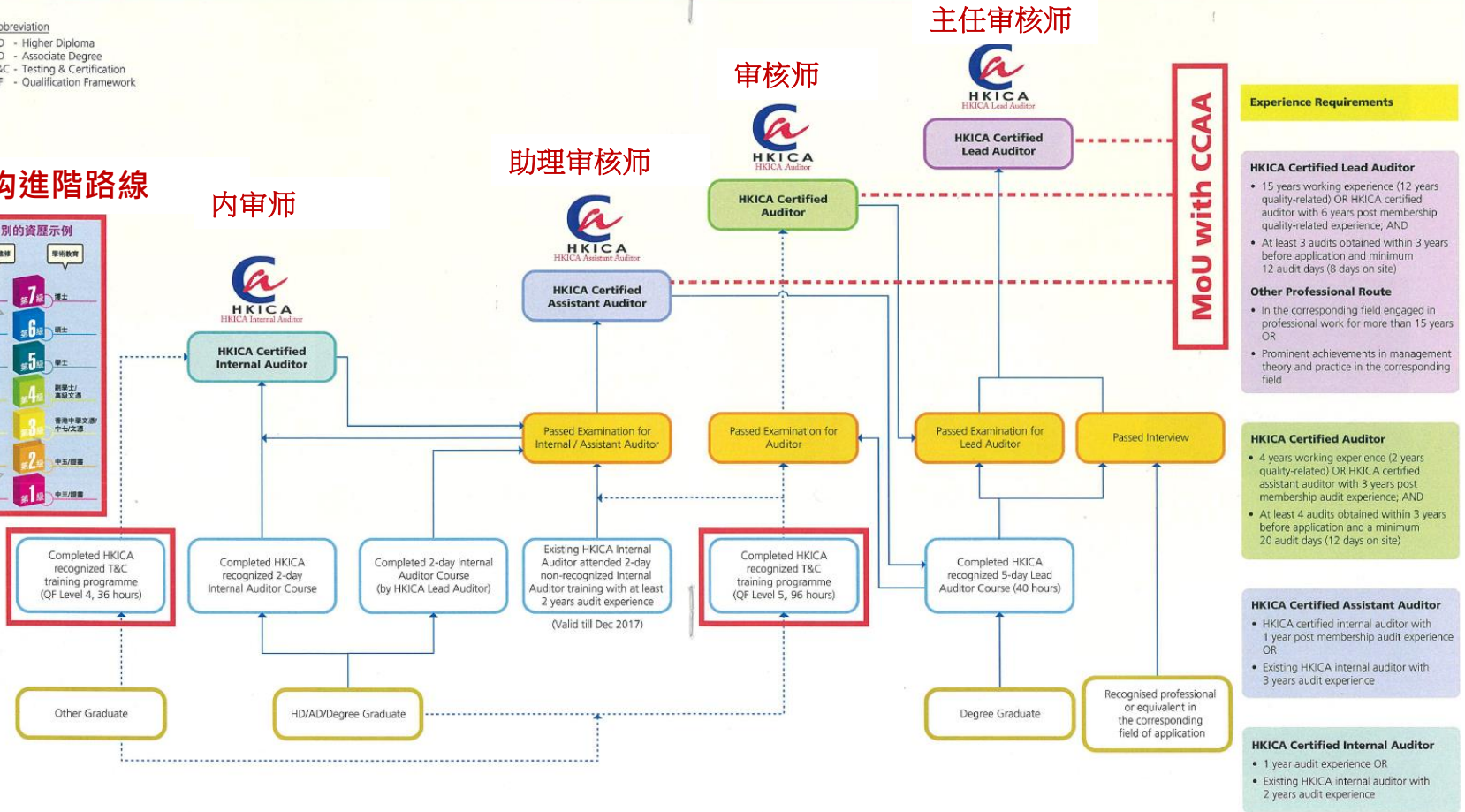
发布

審核師專業階梯 (资历架构進階路線)

Membership Pathway of HKICA Certified Auditors

Abbreviation
 HD - Higher Diploma
 AD - Associate Degree
 T&C - Testing & Certification
 QF - Qualification Framework

资历架构進階路線



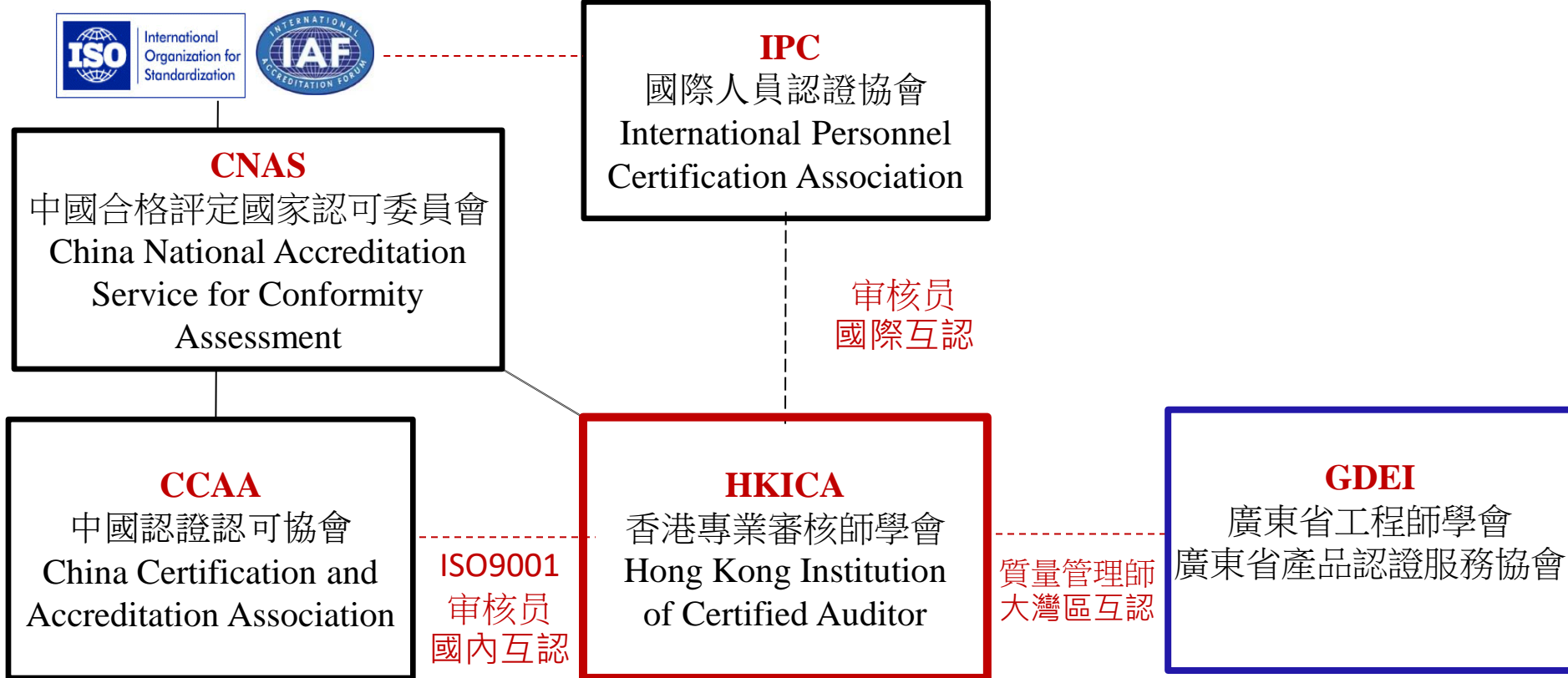
HKICA Professional tie with society need/academic

List of Programmes leading to membership and registration grade

認可教育課程

Academic Institution (Department)	Programme Title	Grade/ Membership	Accreditation Period
Hong Kong Polytechnic University Department of Applied Biology and Chemical Technology	MSc in Sustainable Technology for Carbon Neutrality 香港理工大学 碳中和可持续技术理学硕士	Registered GHG Carbon Auditor	2023 - 2028 注册碳审核员
Hong Kong Metropolitan University School of Science and Technology	Bachelor of Engineering Programme in Testing and Certification 香港都会大学 检测和认证工程学士课程	Assistant Auditor (Certified Quality Management System Auditors - CNAS accredited to ISO 17024)	2019 - 2024 质量管理体系 助理审核师
Chinese University of Hong Kong Department of Chemistry	MSc in Accreditation Chemistry 香港中文大学化学认证学硕士	Assistant Auditor (Laboratory Management System)	2023 - 2028 实验室管理体系 助理审核师
Chinese University of Hong Kong Department of Chemistry	MSc in Accreditation Chemistry 香港中文大学化学认证学硕士	Registered Quality Testing Engineers (QTE)	2023 - 2028 建築材料質控檢測 工程師

Status of HKICA



HKICA Professional and Extension

中国认证认可协会



温室气体核查员
注册准则 (8/2021)
(第1版)

中国认证认可协会



温室气体自愿减排项目核查员
注册准则
(第1版试行)

温室气体自愿减排项目核查
(3/7/2024)

文件编号: CCAA-R402-10

发布日期: 2024年7月3日

实施日期: 2024年7月3日



Hong Kong Institution of Certified Auditors
香港專業審核師學會

HKICA-CC801E

Personnel Certification Scheme of GHG Carbon Auditors
Certification Criteria

The Secretary, Room 108, 1/F Sun Ling Plaza, 30 On Kni Street,
Fanling, New Territories

Issue: 1.0
Document code: HKICA CC801E
Issue date: 1 Sept 2022
Effective date: 1 Sept 2022

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香港专业审核师学会
温室气体碳审核员 (9/2022)

双碳人员的专业资历

INTERNATIONAL PERSONNEL CERTIFICATION ASSOCIATION



CERTIFICATION SCHEME

"IPC WB Verifier/validator"

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www.ipcaweb.org

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Page 1

国际人员认证协会
碳审定/核查员(7/2023)

HKICA participate in 粵港澳大灣區 (Association Standard) 双碳目标的永续发展(ESG) 10.7.2024

粵港澳大湾区标准化研究中心

关于拟纳入“湾区标准”清单标准项目的公示

为贯彻落实《粤港澳大湾区发展规划纲要》，以先进标准助推大湾区高质量发展，根据《促进粤港澳大湾区标准发展指南(试行)》(广东省市场监督管理局通告2023年第66号)规定，现将拟纳入粤港澳大湾区共通执行标准(“湾区标准”)清单的32项标准予以公示。公示期内，有关单位或个人如有异议，可以通过实名信件、电子邮件等形式反映。

公示时间：2024年7月10日—7月24日，共15日

联系人：王娟、谢燕文

联系电话：020-84253809、84236863

电子邮箱：gbsrc@gdis.org.cn

通讯地址：广东省广州市海珠区南田路563号广东省标准化研究院，邮编510220。

- 附件：1. 拟纳入“湾区标准”清单标准项目情况表
2. 拟纳入“湾区标准”清单标准项目文本
3. 拟纳入“湾区标准”清单标准项目编制说明

粤港澳大湾区标准化研究中心(代章)

2024年7月10日

粵港合作聯席會議第二十四次會議 六項重點工作

- 1 把握好發展新質生產力的重大機遇
- 2 共同推進港深河套建設
- 3 攜手推動香港北部都會區建設
- 4 攜手邁向「雙碳」目標，推進無廢灣區建設
- 5 共建人文灣區的工作
- 6 推動跨境醫療協作，貢獻國家「健康中國」策略



环境、社会和治理 (ESG) 气候变化财务信息披露指南

“湾区标准” 清单标准项目情况表

序号	“湾区标准” 识别号	标准编号	标准名称	起草单位	发布单位	声明使用单位
26	WQ 1-209	T/CAGDE 226-2024	环境、社会和治理 (ESG) 气候变化财务信息披露指南	广东贸促国际商事认证中心、中国贸促会贸易推广交流中心、中科天网(广东)标准技术研究有限公司、北京大成律师事务所、莱茵技术监督服务(广东)有限公司、海信家电股份有限公司、深圳天祥质量技术服务有限公司广州分公司、河南省碳排放权服务中心有限公司、深圳华大基因股份有限公司、广东省清洁生产协会、广东省广业检验检测集团有限公司、广东省国际工程咨询有限公司低碳能源中心、注册合规师公会有限公司、责任云研究院、广东省标准化研究院、广东外语外贸大学南国商学院空港经济协同创新研究中心、绿技金创(上海)低碳科技有限公司、香港品质保证局、澳门质量品牌国际认证联盟、广东省应对技术贸易壁垒协会、广东传利标准研究院(有限合伙)、佛山市对外数字贸易产业促进会、广东绿美认证有限公司、广东新悦环保科技有限公司、香港专业审核师学会有限公司、公新博有限公司、澳门青创国际集团有限公司、澳门融贯投资科技有限公司、广州澳青科技产业服务有限公司。	广东省应对技术贸易壁垒协会	香港品质保证局、注册合规师公会有限公司、澳门质量品牌国际认证联盟、香港专业审核师学会有限公司、公新博有限公司、澳门融贯投资科技有限公司、广东省应对技术贸易壁垒协会、广东传利标准研究院(有限合伙)、广东胜宇电缆实业有限公司、广州集泰化工股份有限公司、北京大成律师事务所、南网碳资产管理(广州)有限公司、广州电缆厂有限公司、佛山市对外数字贸易产业促进会、广东省电力线路器材厂有限公司、广东省国际工程咨询有限公司、佛山市三水区铝加工行业协会、广东新悦环保科技有限公司、广东省清洁生产协会、广东绿美认证有限公司、莱茵技术监督服务(广东)有限公司
				广东新悦环保科技有限公司、香港专业审核师学会有限公司、公新博有限公司、澳门青创国际集团有限公司、澳门融贯投资科技有限公司、广州澳青科技产业服务有限公司。		

环境、社会和治理 (ESG) 社会责任投资评估指南

“湾区标准”清单标准项目情况表

序号	“湾区标准”识别号	标准编号	标准名称	起草单位	发布单位	声明使用单位
27	WQ 1-210	T/CAGDE 227-2024	环境、社会和治理 (ESG) 社会责任投资评估指南	广东贸促国际商事认证中心、中国贸促会贸易推广交流中心、广东胜宇电缆实业有限公司、北京大成律师事务所、莱茵技术监督服务(广东)有限公司、海信家电股份有限公司、深圳天祥质量技术服务有限公司广州分公司、河南省碳排放权服务中心有限公司、深圳华大基因股份有限公司、广东省工业检验检测集团有限公司、广东省国际工程咨询有限公司低碳能源中心、广东省清洁生产协会、注册合规师公会有限公司、责任云研究院、广东省标准化研究院、广东省社会责任研究会、广东外语外贸大学南国商学院空港经济协同创新研究中心、绿技金创(上海)低碳科技有限公司、香港品质保证局、澳门质量品牌国际认证联盟、广东省应对技术贸易壁垒协会、BSI 英标管理体系认证(北京)有限公司、广东传利标准研究院(有限合伙)、中科天网(广东)标准技术研究有限公司、佛山市对外数字贸易产业促进会、广东绿美认证有限公司、广东新悦环保科技有限公司、香港专业审核师学会有限公司、公新博有限公司、澳门青创国际集团有限公司、澳门融贯投资科技有限公司、广州澳青科技产业服务有限公司。	广东省应对技术贸易壁垒协会	香港品质保证局、注册合规师公会有限公司、澳门质量品牌国际认证联盟、香港专业审核师学会有限公司、公新博有限公司、 <u>澳门融贯投资科技有限公司</u> 、广东省应对技术贸易壁垒协会、广东传利标准研究院(有限合伙)、广东胜宇电缆实业有限公司、广州集泰化工股份有限公司、北京大成律师事务所、南网碳资产管理(广州)有限公司、广州电缆厂有限公司、佛山市对外数字贸易产业促进会、广东省电力线路器材厂有限公司、广东省国际工程咨询有限公司、佛山市三水区铝加工行业协会、广东新悦环保科技有限公司、广东省清洁生产协会、广东绿美认证有限公司、莱茵技术监督服务(广东)有限公司

环境、社会和治理 (ESG) 企业合规治理指南

“湾区标准” 清单标准项目情况表

序号	“湾区标准” 识别号	标准编号	标准名称	起草单位	发布单位	声明使用单位
28	WQ 1-211	T/CAGDE 228-2024	环境、社会和治理 (ESG) 企业合规治理指南	广东贸促国际商事认证中心、中国贸促会贸易推广交流中心、广东胜宇电缆实业有限公司、北京大成律师事务所、莱茵技术监督服务(广东)有限公司、广东省清洁生产协会、深圳天祥质量技术服务有限公司广州分公司、河南省碳排放权服务中心有限公司、深圳华大基因股份有限公司、广东省广业检验检测集团有限公司、广东省国际工程咨询有限公司低碳能源中心、广州集泰化工股份有限公司、广东思绿环保科技股份有限公司、广州市净水有限公司、广州立白集团有限公司、广州电缆厂有限公司、巴斯夫涂料(广东)有限公司、广东省电力线路器材厂有限公司、佛山市三水区铝加工行业协会、拉芳家化股份有限公司、注册合规师公会有限公司、责任云研究院、广东省标准化研究院、广东外语外贸大学南国商学院空港经济协同创新研究中心、绿技金创(上海)低碳科技有限公司、香港品质保证局、澳门质量品牌国际认证联盟、广东省应对技术贸易壁垒协会、BSI 英标管理体系认证(北京)有限公司、广东传利标准研究院(有限合伙)、中科天网(广东)标准技术研究有限公司、佛山市对外数字贸易产业促进会、广东绿美认证有限公司、广东新悦环保科技有限公司、 香港专业审核师学会有限公司 、公新博有限公司、澳门青创国际集团有限公司、澳门融贯投资科技有限公司、广州澳青科技产业服务有限公司。	广东省应对技术贸易壁垒协会	香港品质保证局、注册合规师公会有限公司、澳门质量品牌国际认证联盟、 香港专业审核师学会有限公司 、公新博有限公司、澳门融贯投资科技有限公司、广东省应对技术贸易壁垒协会、广东传利标准研究院(有限合伙)、广东胜宇电缆实业有限公司、广州集泰化工股份有限公司、北京大成律师事务所、南网碳资产管理(广州)有限公司、广州电缆厂有限公司、佛山市对外数字贸易产业促进会、广东省电力线路器材厂有限公司、广东省国际工程咨询有限公司、佛山市三水区铝加工行业协会、广东新悦环保科技有限公司、广东省清洁生产协会、广东绿美认证有限公司、莱茵技术监督服务(广东)有限公司

可持续金融 信息披露指南

“湾区标准” 清单标准项目情况表

序号	“湾区标准” 识别号	标准编号	标准名称	起草单位	发布单位	声明使用单位
29	WQ 1-212	T/CAGDE 230-2024	可持续金融信息披露指南	广东贸促国际商事认证中心、中国贸促会贸易推广交流中心、广东中誉认证有限公司、北京大成律师事务所、莱茵技术监督服务(广东)有限公司、广东省清洁生产协会、深圳天祥质量技术服务有限公司广州分公司、河南省碳排放权服务中心有限公司、深圳华大基因股份有限公司、广东省广业检验检测集团有限公司、广东省国际工程咨询有限公司低碳能源中心、注册合规师公会有限公司、责任云研究院、广东省标准化研究院、广东省社会责任研究会、广东外语外贸大学南国商学院空港经济协同创新研究中心、绿技金创(上海)低碳科技有限公司、香港品质保证局、澳门质量品牌国际认证联盟、广东省应对技术贸易壁垒协会、BSI 英标管理体系认证(北京)有限公司、广东传利标准研究院(有限合伙)、中科天网(广东)标准技术研究有限公司、佛山市对外数字贸易产业促进会、广东绿美认证有限公司、广东新悦环保科技有限公司、 <u>香港专业审核师学会有限公司</u> 、公新博有限公司、澳门青创国际	广东省应对技术贸易壁垒协会	香港品质保证局、注册合规师公会有限公司、澳门质量品牌国际认证联盟、 <u>香港专业审核师学会有限公司</u> 、公新博有限公司、澳门融贯投资科技有限公司、广东省应对技术贸易壁垒协会、广东传利标准研究院(有限合伙)、广东胜宇电缆实业有限公司、广州集泰化工股份有限公司、北京大成律师事务所、南网碳资产管理(广州)有限公司、广州电缆厂有限公司、佛山市对外数字贸易产业促进会、广东省电力线路器材厂有限公司、广东省国际工程咨询有限公司、佛山市三水区铝加工行业协会、广东新悦环保科技有限公司、广东省清洁生产协会、广东绿美认证有限公司、莱茵技术监督服务(广东)有限公司

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