

Energy Performance Certificates (EPC) for Buildings

Introductory to Intermediate Training

Your entry into the energy efficiency and energy management industries.
Integrated blended learning for theoretical, practical and assessment.

The Minister of Mineral Resources and Energy (DMRE, now DEE) has, under section 19(1)b of the National Energy Act, published regulations for the mandatory display and submission of Energy Performance Certificates (EPC) for buildings in Notice 700 of Government Gazette 43792 of 2020.

Buildings with a total net floor area of over 1000m² in the public sector, and 2000m² in the private sector in A1, A2, A3, and G2 buildings categories must comply by 7 December 2025, as per revised regulations published in 2023.

The energy performance rating on the EPC refers to the net energy consumed per kWh per m² per annum.

This course and the QCTO qualification Occupational Skills Programme: EPC Practitioner is developed and maintained by IEPA in line with the regulations and standards.

Endorsed by:



Disclaimer:

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Accredited by:



EPC Data Collector

Entry Level: Beginners

Training	Practical Application Training	Assessments
Day 1: EPC theoretical background, standards, regulations, and requirements Day 2: Introduction to EPC calculations and case study exercises	Day 3-4: Practical planning, data collection and measurement Day 5: Collating data and measurement to prepare a building for an EPC Assessment	Practical Assessment: Continuous during practical training Day 3-5 Theoretical Assessment (2 hours): One week after training

EPC Practitioner Introduction

Entry Level: Work Experience in Energy Industry, Qualified in Energy and Engineering

Training	Assessment
Day 1: EPC theoretical background, standards, regulations, and requirements Day 2: Introduction to EPC calculations and case study exercises	One week after training: Theoretical Assessment (2 hours) Case Study Assessment (4 hours each) ·Single occupancy Multiple occupancy

Exit Level:

Certificate of Attendance

- 90% attendance required

Certificate of Achievement

- Passing of Practical Continuous Assessment (2 QCTO credits); and
- Passing of Theoretical Assessment (1 QCTO credit)

Statement of Results

- QCTO: KM-01: Policies, regulations and standards relating to energy performance of buildings, NQF Level 5, Credits 1
- QCTO: PM-01, Determine energy audit data requirements for energy performance of a building, NQF Level 5, Credits 1
- QCTO PM-02, Measure energy performance of the building, NQF Level 5, Credits 1

Exit Level:

Certificate of Attendance

- 90% attendance required

Certificate of Achievement

- Passing of Theoretical Assessment (1QCTO credit), or
- Passing of the Case Study Assessment for SANEDI registration requirements

Statement of Results

- QCTO: KM-01: Policies, regulations and standards relating to energy performance of buildings, NQF Level 5, Credits 1

Entry Requirements:

From Grade 10 (Standard 8) with Maths or Science



What does an EPC Practitioner do

An EPC Practitioner determines and collates the building data required for Energy Performance Certification Assessment, completes EPC Assessment through the analyses of the data and presents verified findings for the National Building Energy Performance Register (NBEPR).

An EPC Practitioner Certificate of Achievement from IEPA is an accredited and recognised Certificate with the South African National Energy Development Institute (SANEDI), the custodians of the NBEPR, for registering as a SANEDI EPC Registered Professional, or a Department of Electricity & Energy (DEE) EPC Quality Assurer.

Note:

SANEDI and DEE requires additional background work experience and educational requirements for registration.

Delegate Profile: EPC Practitioner

- Energy Professionals
- Engineering Graduates
- Electricians
- Electrical Contractors
- Solar Installers
- Facilities Managers
- Green Building Engineers
- Operations Managers
- Building Owners
- Accounting Officers of Public Buildings
- Property Developers
- Government employees in the Public Building sector
- Engineering and Building Consulting firms
- Architects
- Delegates working in energy metering companies

What does an EPC Data Collector do

An EPC data collector determines and collates the building data required for Energy Performance Certification Assessment.

EPC Data Collectors typically support EPC Practitioners and EPC Registered Professionals in performing the foundational work for EPC Assessments.

EPC Data Collectors can progress to IEPA Certified EPC Practitioners, or QCTO Certified EPC Practitioners.

Delegate Profile: EPC Data Collector

- Beginners in the energy industry
- Ideal for youth wanting to start learning about energy industry
- Delegates wanting to become EPC Practitioners but require a bit more practical training



EPC
Practitioner