



The purpose of introducing Display Energy Certificates (DECs) is to raise public awareness of energy use and to inform visitors to public buildings about the energy use of a building.

What is a Display Energy Certificate

A Display Energy Certificate shows the energy performance of a building based on actual energy consumption as recorded annually over periods up to the last three years (the Operational Rating). The DEC also shows an Asset Rating for this building if this is available (by way of an EPC). A DEC is valid for one year and must be updated annually.

The Operational Rating (OR) is a numerical indicator of the actual annual carbon dioxide emissions from the building. The various types of energy consumption from occupying a building must be brought together on a common basis so that the performance of one building can be compared with that of another. The UK has decided that the common unit should be CO₂ emissions, since this is a key driver for energy policy.

This rating is shown on a scale from A to G, where A is the lowest CO₂ emissions (best) and G is the highest CO₂ emissions (worst). Also shown are the Operational Ratings for the previous two years; this provides information on whether the energy performance of the building is improving or not.

The OR is based on the amount of energy consumed during the occupation of the building over a period of 12 months from meter readings and is compared to a hypothetical building with performance equal to one typical of its type (the benchmark).

Typical performance for that type of building would have an OR of 100. A building that resulted in zero CO₂ emissions would have an OR of zero, and a building that resulted in twice the typical CO₂ emissions would have an OR of 200. If the building is a net energy generator, it would still be given an Operational Rating of zero.

The OR must be calculated according to the methodology approved by the Secretary of State (SoS). This is done by an accredited energy assessor using a software tool for the calculation which has been approved by the SoS.

Display Energy Assessor Diploma (DECs)

Course Itinerary

Day 1 - New Entrants & Data Collectors

- * Basic Construction Recognition
- * Building services recognition specific to DECs

Day 2 - New Entrants, Data Collectors & Level 3/ 4 candidates

- * Surveying Methodology
- * Introduction to Software ORcalc
- * Practical Site walk-around
- * Processing of Simulation building into software

Day 3 - New Entrants & Level 3/4 Candidates

- * Portfolio submissions / content
- * eNVQ

Guidance