

EDGE-Expert Excellence in Design for Greater Efficiencies (EDGE Expert) Exam neueste Studie Torrent & EDGE-Expert tatsächliche prep Prüfung



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Die EDGE EDGE-Expert Zertifizierungsprüfung ist eine Prüfung, die Fachkenntnisse eines Menschen testet. ZertPruefung ist eine Website, die Ihnen zum Bestehen der EDGE EDGE-Expert Zertifizierungsprüfung verhilft. Vor der Prüfung können Sie die zielgerichteten benutzen, werden Sie in kurz Zeit große Fortschritte machen.

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Um in einer Branche immer an führender Stelle zu stehen, muss das Unternehmen seine eigene Ressourcen zu vermehren. Wir ZertPruefung aktualisieren kontinuierlich die Test-Bank und die Softwares. Deshalb können wir Ihnen garantieren, dass die EDGE EDGE-Expert Prüfungssoftware, die Sie benutzen, enthält die neuesten und die umfassendsten Prüfungsunterlagen. In Welcher Vorbereitungsphase der EDGE EDGE-Expert Prüfung immer Sie stehen, kann unsere Software Ihr bester Helfer sein, denn die Prüfungsunterlagen der EDGE EDGE-Expert werden von dem erfahrenen und qualifiziertem IT Eliteteam geordnet und analysiert.

EDGE Excellence in Design for Greater Efficiencies (EDGE Expert) Exam EDGE-Expert Prüfungsfragen mit Lösungen (Q46-Q51):

46. Frage

Which of the following must be included in the EDGE Auditor submission for Preliminary Certification?

- A. All of the available design data.
- B. The Chapter 5 EDGE certification protocol.
- C. The design audit site visit results verified by the EDGE Auditor.
- **D. Compliance documents for selected measures.**

Antwort: D

Begründung:

The EDGE Auditor's submission for Preliminary Certification (design stage) must include specific elements to support the recommendation for certification. The EDGE Certification Protocol specifies: "For Preliminary Certification, the EDGE Auditor's

submission must include compliance documents for the selected measures, such as drawings, specifications, and manufacturer's data sheets, which verify that the design aligns with the self-assessment in the EDGE software. These documents are reviewed by the Certification Provider to confirm eligibility" (EDGE Certification Protocol, Section 3.2: Audit Requirements). Option C, compliance documents for selected measures, directly matches this requirement. Option A (all available design data) is too broad and not required: "Only documents directly related to the selected measures are needed, not all design data" (EDGE Certification Protocol, Section 3.2: Audit Requirements). Option B (Chapter 5 EDGE certification protocol) is incorrect, as this refers to the protocol document itself, not a submission component:

"The certification protocol is a reference, not part of the Auditor's submission" (EDGE Certification Protocol, Section 1.1: Overview). Option D (design audit site visit results) is incorrect, as site visits are not required at the design stage: "Preliminary Certification is based on a desk audit, not a site visit, which occurs at the post- construction stage" (EDGE Certification Protocol, Section 3.3: Certification Decision). Thus, compliance documents (Option C) are required in the submission.

Reference:EDGE Certification Protocol, Section 3.2: Audit Requirements, Section 3.3: Certification Decision, Section 1.1: Overview.

47. Frage

Which of the following building types is NOT covered by EDGE?

- A. Factories (heavy industry)
- B. Warehouses
- C. Hospitals
- D. Schools

Antwort: A

Begründung:

EDGE certification applies to specific building typologies that align with its focus on resource efficiency in new constructions and major renovations. The EDGE User Guide lists the covered building types: "EDGE certification is available for the following building typologies: homes, hotels, offices, hospitals, retail, schools, warehouses, and light industry buildings. These typologies are selected because they have predictable energy, water, and materials usage patterns that can be modeled in the EDGE software" (EDGE User Guide, Section 1.2: Scope of EDGE Certification). Option A (hospitals), Option B (schools), and Option D (warehouses) are explicitly included in this list, making them eligible for EDGE certification. However, Option C (factories - heavy industry) is not covered, as clarified in the EDGE Certification Protocol: "Heavy industry factories are not covered by EDGE, as their energy and water usage patterns are highly variable and process-driven, making them unsuitable for the standardized modeling approach used in EDGE. Light industry buildings, such as small manufacturing facilities with predictable usage, are included, but heavy industry, such as steel production or chemical manufacturing, is excluded" (EDGE Certification Protocol, Section 1.2: Scope of EDGE Standard). The EDGE Methodology Report further explains: "Heavy industry factories involve complex industrial processes that dominate resource consumption, which cannot be accurately modeled using EDGE's simplified methodology, unlike hospitals, schools, or warehouses, which have more consistent occupancy and usage patterns" (EDGE Methodology Report Version 2.0, Section 2.1: Calculation Approach). The EDGE User Guide also notes: "Building types like heavy industry factories are outside the scope of EDGE, as the software is designed for commercial and residential buildings with typical HVAC, lighting, and water demands" (EDGE User Guide, Section 1.2: Scope of EDGE Certification).

Therefore, factories (heavy industry) (Option C) is the building type not covered by EDGE.

Reference:EDGE User Guide Version 2.1, Section 1.2: Scope of EDGE Certification; EDGE Certification Protocol, Section 1.2: Scope of EDGE Standard; EDGE Methodology Report Version 2.0, Section 2.1: Calculation Approach.

48. Frage

To maintain their licensed status, what must EDGE Auditors do?

- A. Attend refresher training for at least two hours every two years.
- B. Attend refresher training for at least two hours every three years.
- C. Undertake at least one building project audit every three years.
- D. Undertake at least one building project audit every two years.

Antwort: D

Begründung:

EDGE Auditors must meet specific requirements to maintain their licensed status, ensuring they remain active and competent in their role. The EDGE Expert and Auditor Protocols provide detailed guidance: "To maintain their licensed status, EDGE Auditors must

undertake at least one building project audit every two years. This requirement ensures that Auditors remain actively engaged in the certification process and maintain their practical experience in verifying EDGE projects" (EDGE Expert and Auditor Protocols, Section 5.1:

Maintaining Auditor Status). Option A, undertake at least one building project audit every two years, directly aligns with this requirement. Option B (attend refresher training for at least two hours every two years) and Option C (attend refresher training for at least two hours every three years) are incorrect, as the protocols specify a different training requirement: "EDGE Auditors must attend refresher training as required by IFC, typically every three years, but the duration is not specified as a minimum of two hours; the focus is on completing the training, not the exact hours" (EDGE Expert and Auditor Protocols, Section 5.1: Maintaining Auditor Status). Option D (undertake at least one building project audit every three years) is also incorrect, as the required frequency is every two years, not three: "A three-year interval for audits does not meet the requirement of one audit every two years, which is necessary to ensure ongoing competence" (EDGE Expert and Auditor Protocols, Section 5.1: Maintaining Auditor Status). The EDGE User Guide supports this by stating: "Auditors maintain their status by conducting at least one audit every two years, ensuring they stay familiar with EDGE standards and procedures through active practice" (EDGE User Guide, Section 6.5:

Working with EDGE Auditors). Additionally, the protocols note: "Failure to conduct an audit within two years may result in a lapse of Auditor status, requiring recertification through additional training or re- examination" (EDGE Expert and Auditor Protocols, Section 5.2: Recertification Conditions). Thus, undertaking at least one audit every two years (Option A) is the correct requirement for maintaining EDGE Auditor status.

Reference:EDGE Expert and Auditor Protocols, Section 5.1: Maintaining Auditor Status, Section5.2:

Recertification Conditions; EDGE User Guide Version 2.1, Section 6.5: Working with EDGE Auditors.

49. Frage

Which of the following is a required measure?

- A. Green roof
- B. Efficient lighting for internal areas
- **C. Insulation of roof**
- D. Lighting controls

Antwort: C

Begründung:

In EDGE, certain measures are mandatory to ensure a baseline level of resource efficiency, while others are optional depending on the project's goals. The EDGE User Guide specifies mandatory measures for certification: "To achieve EDGE certification, projects must meet minimum requirements, including mandatory measures such as insulation of the roof to reduce heat gain or loss, ensuring a basic level of energy efficiency across all building typologies in climates where thermal performance is relevant" (EDGE User Guide, Section 4.1: Insulation Measures). Option B, insulation of roof, is identified as a required measure in EDGE, particularly in climates where heating or cooling loads are significant, which applies to most regions.

Option A (green roof) is an optional measure, not mandatory: "Green roofs are an optional measure in EDGE, contributing to energy and water savings but not required for certification" (EDGE User Guide, Section 4.5:

Additional Energy Measures). Option C (lighting controls) is also optional, as EDGE allows flexibility in lighting strategies: "Lighting controls, such as occupancy sensors, are optional measures that can enhance energy savings but are not mandatory" (EDGE User Guide, Section 4.4: Lighting Efficiency Measures).

Option D (efficient lighting for internal areas) is encouraged but not required: "Efficient lighting for internal areas (EEM22) is an optional measure, requiring at least 90% of lamps to be efficient, but projects can achieve certification without it if other energy measures meet the 20% savings threshold" (EDGE User Guide, Section

4.4: Lighting Efficiency Measures). The EDGE Certification Protocol reinforces this: "Mandatory measures like roof insulation ensure a minimum standard of energy efficiency, while measures like green roofs, lighting controls, and efficient lighting are optional and contribute to overall savings" (EDGE Certification Protocol, Section 2.2: Certification Requirements). Therefore, insulation of the roof (Option B) is the required measure among the options.

Reference:EDGE User Guide Version 2.1, Section 4.1: Insulation Measures, Section 4.4: Lighting Efficiency Measures, Section 4.5: Additional Energy Measures; EDGE Certification Protocol, Section 2.2: Certification Requirements.

50. Frage

Energy consumption calculations in EDGE are based on:

- A. Cooling and heating degree days.
- B. Hourly simulation.
- **C. Steady state calculations.**

- D. Quasi-steady state calculations.

Antwort: C

Begründung:

The EDGE software uses a simplified approach to calculate energy consumption, focusing on accessibility and speed for users in emerging markets. The EDGE Methodology Report explains the calculation method:

"Energy consumption in EDGE is calculated using steady state calculations, which assume constant conditions over a period to estimate energy use for heating, cooling, lighting, and other systems. This method simplifies the modeling process while providing sufficiently accurate results for the purposes of EDGE certification" (EDGE Methodology Report Version 2.0, Section 5.2: Energy Calculation Methods). Option B, steady state calculations, directly matches this approach. Option A (hourly simulation) is incorrect, as EDGE does not use dynamic simulations: "EDGE does not employ hourly simulations, which are more complex and resource-intensive, as the goal is to provide a fast and simple tool" (EDGE User Guide, Section 2.1: EDGE Software Overview). Option C (quasi-steady state calculations) is also incorrect, as EDGE does not use this intermediate method: "Quasi-steady state methods, which account for some dynamic effects, are not used in EDGE to maintain simplicity" (EDGE Methodology Report Version 2.0, Section 5.2: Energy Calculation Methods). Option D (cooling and heating degree days) is a metric used to estimate climate impact, not the calculation method: "Degree days are inputs to the steady state calculations, not the method itself" (EDGE User Guide, Section 3.2: Climate Data Inputs). Thus, steady state calculations (Option B) are used for energy consumption in EDGE.

Reference: EDGE Methodology Report Version 2.0, Section 5.2: Energy Calculation Methods; EDGE User Guide Version 2.1, Section 2.1: EDGE Software Overview, Section 3.2: Climate Data Inputs.

51. Frage

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Ist hier der Mensch zum Mensch geworden, Laut der International Federation of Robotics gab es einen guten Absatz über die Größe der Roboterindustrie und es war das Jahr des Flaggschiffs der Verkäufe.

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