



Vendor: ISEB

Exam Code: EUCOC

Exam Name: Intermediate Certificate in EU Code of
Conduct for Data centres

Version: DEMO

QUESTION 1

Scenario 1

Your company has just acquired a data centre for its own use that was built in the 1980s. It has been through a number of owners, equipment has been added on an ad-hoc basis and hot-spots about(d) You have been tasked with bringing the facility up to the standards required by the Code of Conduct but have very little budget for immediate equipment or software upgrade, and have been given the role of evangelising Green IT.

Why has the EU Code of Conduct on Data Centres been developed?

- (a) Because data centres are using an increasing amount of power and they need to maximise their efficiency to reduce their impact on the power infrastructure.
- (b) Because the power consumption of data centres across Europe as a whole needs to fall to meet agreed CO2 targets.
- (c) Because many data centres have outdated designs which focus on perceived reliability at the expense of cost and energy efficiency.
- (d) Because the energy consumption of data centres has become a significant business cost.
- (e) Because the United States (US) has taken a significant lead in energy conservation and EU- based data centres need a code of conduct to compete in a global marketplace.

- A. a, b, c and d
- B. a, c and d
- C. b and e
- D. e only

Answer: B

QUESTION 2

Scenario 2

From Scenario 1, your efforts with regard to with regard to energy efficiency have been very successful evidenced by lower utility bills. Consequently you have been given a budget to retrofit your data centre to make it more energy efficient.

You are building out a new data hall and associated infrastructure but have relatively little space(e) A rotary UPS appears to be the best fit in terms of space usage(e) What else, according to the Code of Conduct, should you take into account when selecting a UPS?

- (a) Compliant with UPS Code of Conduct.
- (b) Capable of being expanded in stages.
- (c) Its manufacturer is a Code of Conduct for Data Centres Endorser.
- (d) High Efficiency UPS.
- (e) Ability to convert between Alternating Current (AC) and Direct Current (DC).

- A. a, b, and e
- B. c and d
- C. b and d
- D. a, c, and d

Answer: C

QUESTION 3
Scenario 3

You are a collocation provider with several data centres which are in need of refurbishment. These data centres all host customers and service disruption is not acceptable outside of planned maintenance times. Business is booming, though customer contracts tend to be an average of only 12 months.

In one of your older facilities there has been little control over customer equipment installation in rack air flow management and customers have therefore installed equipment in every orientation conceivable.

Which of the following statements are true?

- (a) Increase the CRAC set point temperatures so that customers will see the advantage of air flow management.
- (b) Customer racks are outside of your control so you cannot influence hot / cold aisle layout or in rack air flow management.
- (c) Advise customers of the reliability and environmental benefits of managing airflow and that they should install equipment facing in the correct direction and use blanking plates.
- (d) Clearly label hot and cold aisles and notify customers of the requirement for both hot/cold aisle orientation for all new equipment installation.

- A. a, c and d
- B. b only
- C. c and d
- D. a and b

Answer: C

QUESTION 4
Scenario 4

You are a Managed Service Provider (MSP) and you have a secure floor within the facility of a collocation provider. You support the hardware, operating system and some applications of your customers.

You have recently installed two sets of the same model of server in two different areas of your secure floor. The first is a High Performance Computing (HPC) environment while the second serves web pages. In the HPC area the temperature is much warmer than the second area, even though the number of servers is equivalent. Which of the following is the MOST LIKELY reason for this?

- A. You have been provisioning to the configured power of the servers.
- B. You have insufficiently provisioned to the HPC environment.
- C. You have been provisioning to the nameplate power of the servers.
- D. You have insufficiently provisioned to the web servers.

Answer: C

QUESTION 5

Which of the following describes the aims of the EU Code of Conduct on Data Centres?

- (a) To determine and accelerate the application of energy efficient technologies.
- (b) To set energy efficiency targets for public and corporate data centre owners and operators.
- (c) To develop and promote a set of easily understood metrics to measure current efficiencies and subsequent improvements.
- (d) To inform and stimulate data centre operators and owners to reduce energy consumption in a cost-effective manner without hampering the mission critical function of data centres.
- (e) To ensure that the EU is seen to be taking a lead in this important area.

- A. b, d and e
- B. a, d and e
- C. a, b and c
- D. a, b, c and d

Answer: D

QUESTION 6

You have seen marketing material for two separate data centre facilities. The first centre says that they Endorse the Code of Conduct and have a PUE of 1.6. The other centre says that they are Participants in the Code of Conduct and have a PUE of 1.7. Which wil have the more energy efficient facility?

- A. The centre that is a Participant in the Code of Conduct.
- B. You wil be unable to tell without more detail on each company's energy efficiency measures.
- C. Those with the lower figure PUE, as this is always more important.
- D. Day to day running means that they are most probably equal y energy efficient.

Answer: B

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