



The present work, produced by the [ECOSIGN Consortium](#), is licensed under a [Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License](#).

Basic Concepts on Ecodesign

Unit 9 Ecodesign in the Environmental Management Quiz and Assignment

Carmen Fernández Fernández. c.fernandez@cetem.es

9.1 Quiz.....	2
9.2 Assignment	5

–

9.1 Quiz

- PLEASE, CHOOSE THE CORRECT ANSWER:

1. The main objective of standard ISO 14006 is:
 - a. To establish a system for the continual improvement of the design process and the development of products/services throughout its entire life cycle, which allows to communicate the compliance of the standard requirements.
 - b. To establish a system to incorporate environmental criteria in all design and development stages of a product.
 - c. All of the above.
 - d. None of the above.

Solution: c.

2. The thinking of the standard ISO 14006 is based on:
 - a. The concepts of "continual improvement", "life cycle" and "requirements compliance".
 - b. The concepts of "continual improvement", "life cycle" and "prevention".
 - c. The concepts of "continual improvement", "life cycle" and "correction".

Solution: b.

3. Is the standard ISO 14006 suitable to other management systems implemented by the organisation?
 - a. Yes, it may be integrated in its quality management system, ISO 9001, and in its environmental, ISO 14001.
 - b. Yes, but not fully, there are requirements that cannot be integrated.
 - c. No, this independent system only affects the design process.

Solution: a.



4. Top management must ensure that ecodesign is implemented considering:
- Only the context analysis of the organisation.
 - The production management and management of environmental aspects associated to the product.
 - The strategic aspects of design and the management of internal processes.

Solution: c.

5. In the guidelines set by the standard for incorporating ecodesign, what do you think essential for it to be effective?
- The establishment of an environmental policy aligned with the organisational and product strategy and the establishment of objectives and targets.
 - The training and raising of the workers' awareness on environmental aspects and impacts related to manufacturing and distribution of the product.
 - None of the above.

Solution: a.

6. The incorporation of ecodesign in the design process is carried out:
- In all stages of design established in the standard ISO 9001, from the inputs until the development validation.
 - Each time a stage is completed must be reviewed to check whether the product meets the defined objectives of the environmental specification.
 - All of the above.
 - None of the above.

Solution: c.



7. Are internal audits for the implemented system needed to check its conformity with the standard and its requirements?
- Yes, it is a part of the ecodesign verification process.
 - No, if problems are not detected, conformity is assumed and audits are not necessary.
 - None of the above.

Solution: b.

8. To meet the environmental objectives and targets is necessary to analyse the more convenient strategies to avoid compromising functional and formal design of the product.
- True.
 - False.

Solution: a.

9. Once the product is marketed, the following must be reviewed to incorporate the results to ecodesign:
- User's feedback.
 - Evolution on the environmental knowledge.
 - All of the above.
 - None of the above.

Solution: c.

10. To achieve the objectives of ecodesign the organisations must share the information about their products and processes.
- True.
 - False.

Solution: a.



9.2 Assignment

- Following the guidelines of Clause 5. Guidelines for incorporating ecodesign into an EMS, draw a proposal of the design and development stages that you selected in the Unit 1 task and elaborate.
- You may get information related to:
 - i. Applicable legislation and standards for your product: Unit 3.
 - ii. Methodologies/Strategies of ecodesign: Unit 5.

