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Basic Concepts on Ecodesign

Unit 9 Ecodesign in the Environmental Management Quiz and Assignment

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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.
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".
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.
 - d.
4. Top management must ensure that ecodesign is implemented considering:
 - a. Only the context analysis of the organisation.
 - b. The production management and management of environmental aspects associated to the product



- c. The strategic aspects of design and the management of internal processes.
5. In the guidelines set by the standard for incorporating ecodesign, what do you think essential for it to be effective?
- a. The establishment of an environmental policy aligned with the organisational and product strategy and the establishment of objectives and targets.
 - b. The training and raising of the workers' awareness on environmental aspects and impacts related to manufacturing and distribution of the product.
 - c. None of the above.
6. The incorporation of ecodesign in the design process is carried out:
- a. In all stages of design established in the standard ISO 9001, from the inputs until the development validation.
 - b. Each time a stage is completed must be reviewed to check whether the product meets the defined objectives of the environmental specification.
 - c. All of the above.
 - d. None of the above.
7. Are internal audits for the implemented system needed to check its conformity with the standard and its requirements?
- a. Yes, it is a part of the ecodesign verification process.
 - b. No, if problems are not detected, conformity is assumed and audits are not necessary.
 - c. None of the above.
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.
- a. True.
 - b. False.



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

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:
 - Applicable legislation and standards for your product: Unit 3.
 - Methodologies/Strategies of ecodesign: Unit 5.

