

COGPACK8

Contribute to producing packaging design prototype



Overview

This unit deals with the following:

- 1 Plan realisation
- 2 Produce prototype
- 3 Test prototype

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

Previous Version

Unit 1.8 SEMTA National Occupational Standards in Packaging (STM4)

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Performance criteria

- You must be able to:*
- P1 confirm the aims for realising a design prototype with the decision maker and others involved
 - P2 select suitable media/materials and associated tools, equipment, techniques and processes to meet the design objectives
 - P3 plan and manage your time so that you are able to realise a viable prototype to meet agreed deadlines
 - P4 ensure that the prototype matches the design brief and functional specifications
 - P5 respond appropriately to any unforeseen problems encountered during the realisation process, seeking advice where relevant
 - P6 meet the requirements of the design brief and realisation plan in the production of your prototype
 - P7 meet the requirements of the timescale and budget
 - P8 produce the prototype to such a standard as to enable meaningful evaluation to take place
 - P9 collaborate actively with your colleagues in the development process
 - P10 inform the decision-maker(s) promptly of problems, issues and developments
 - P11 record all relevant information and agreements according to your organisation's procedures
 - P12 test the prototype according to the specification in the realisation plan
 - P13 ensure that the prototype is fit for the purpose for which it is intended
 - P14 gather sufficient and accurate information as to enable an effective evaluation to be carried out
 - P15 consult all interested parties and collect their feedback for analytical purposes
 - P16 report your findings in the appropriate format to the right person

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Knowledge and understanding

You need to know and understand:

- K1 the design objectives and client requirements
- K2 design and functional specifications
- K3 project constraints and deadlines (e.g. time, technical and performance standards and quality parameters)
- K4 regulations, environmental and health and safety considerations in the use of materials, processes and technology
- K5 relevant logistics features and the end use of the product
- K6 the roles and responsibilities of those involved in the development and manufacture of the prototype
- K7 different commercial manufacturing methods and the advantages and limitations of each
- K8 the basis on which the prototype will be evaluated
- K9 practical testing techniques

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Glossary

- 1 **Viability**
Creative, technical
- 2 **Problems**
Materials, processes, equipment, timescales
- 3 **Quality Standards**
Your organisations, the client's
- 4 **Prototypes**
2-dimensional, 3-dimensional
- 5 **Proposed Method of Assembly/Packing**
By machine, by hand
- 6 **Properties of the Packaging**
Strength, protection required, size, configuration, technical viability, choice of substrate

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Developed by Cogent

Version number 1

Date approved June 2009

Indicative review date June 2011

Validity Current

Status Original

Originating organisation Semta

Original URN 1.8

Relevant occupations Engineering and manufacturing technologies; Manufacturing technologies; Process, Plant and Machine Operatives; Process Operatives

Suite Packaging

Key words plan, produce, design prototype, design prototype, test, problems, quality