

# COGPACK2

## Manage the development of the packaging design process



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### Overview

This unit deals with the following:

- 1 Evaluate and select design ideas
- 2 Monitor the development of design options

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 1.2 SEMTA National Occupational Standards in Packaging (STM4)

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### Performance criteria

- You must be able to:*
- P1 establish or validate the selection of criteria to use in the evaluation process based on the client brief and agreed design objectives
  - P2 evaluate objectively the viability of designs and identify any differences between the design ideas and the agreed criteria
  - P3 agree any modifications or compromises that may be needed and arrange for these to be included in the design idea
  - P4 support design ideas that have the greatest potential for success and that are in line with organisational objectives
  - P5 record all agreements made and the rationale for your ideas and decisions
  - P6 ensure that responsibilities and objectives are clearly understood by those involved
  - P7 ensure that the use of resources is optimised in line with design requirements and operational policy
  - P8 monitor the design development work and supporting information and ensure that they are produced to the agreed quality standards and within the limits of time and budget
  - P9 ensure the design protection advice is given and received is based on best available information
  - P10 ensure that adequate proposals are made for protecting designs that are suitable for current and potential design uses
  - P11 take action where needed to avoid or resolve recognised potential problems
  - P12 construct or validate well structured arguments in support of any amendments to the design brief

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### Knowledge and understanding

*You need to know and understand:*

- K1 the client's requirements
- K2 how to establish selection criteria
- K3 how to analyse the strengths and weaknesses of design ideas
- K4 how to provide feedback
- K5 performance standards and how to establish the fitness for purpose of a design idea
- K6 relevant quality parameters
- K7 technical constraints on design development and design realisation
- K8 the requirements of the proposed manufacturing process
- K9 the design objectives
- K10 your organisation's management structure and business strategy
- K11 the way in which the product will be introduced to the market
- K12 relevant logistics features and the end use of the product
- K13 the unique features of your idea or design which may need protection
- K14 sources of information and advice on design protection (e.g. copyright, patents and registration) and the law relating to design
- K15 the timetable and budget for developing design options
- K16 how to optimise the use of resources (e.g. people, technology)
- K17 the relevant quality standards
- K18 problem solving techniques

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### Glossary

**Packaging Process**

Manufacture, filling

**Sample Plans**

Formal, informal

**Test Runs**

Long run, short run

**Manufacturing and Filling**

By machine, manually

**Liaison**

With colleagues, with the client

**Communications Media**

Verbal, written

**Progress**

Where original plans proceed, where changes are required

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

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**Suite** Packaging

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