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### Overview

This unit deals with the following:

- 1 Design or improve packaging processes

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 2.1 SEMTA National Occupational Standards in Packaging (STM4)

# COGPACK12

## Design or improve packaging processes

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### Performance criteria

*You must be able to:*

- P1 confirm the parameters of the packaging process
- P2 estimate the resources needed for production
- P3 ensure that the success criteria for the evaluation has been agreed and communicated to those involved in the evaluation process
- P4 develop options that meet the agreed criteria
- P5 recommend the option that best meets the agreed criteria
- P6 make adaptations to the proposed design in the light of feedback received
- P7 liaise effectively with the client, keeping them fully informed as to the proposed processes and changes to plans
- P8 record and notify the results of the final design to those who need to know
- P9 obtain the appropriate approval to proceed prior to commencing production, retaining this securely

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## Design or improve packaging processes

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### Knowledge and understanding

*You need to know and understand:*

- K1 health and safety legislation and regulations and your organisation's policies and procedures relating to all aspects of your work
- K2 your customer's requirements
- K3 any technical or legal requirements specific to the product, its packaging and/or manufacturing process
- K4 process viability
- K5 the specific resources and other items needed for production (e.g. materials, equipment (including PPE), personnel etc.)
- K6 the characteristics of raw materials to be used
- K7 the functioning of the equipment to be used
- K8 the competence of the personnel involved
- K9 the nature of any issues relating to scale up or scale down and how these might affect your final manufacturing/filling plan
- K10 how to assess the commercial viability of the design
- K11 who needs to know of the results of your evaluation and their role in the manufacturing/ filling process
- K12 the information needed for your options evaluation
- K13 organisational quality and approval procedures

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### Glossary

- 1 **Packaging Process**  
Manufacture, filling
- 2 **Processes**  
New, existing
- 3 **Parameters**  
Quality, cost, facilities, equipment, personnel, scale up
- 4 **Communication**  
With internal colleagues, with the client

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## Design or improve packaging processes

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**Originating organisation** Semta

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**Original URN** 2.1

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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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**Key words** design, packaging, processes, improve

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