



Australian Government

Assessment Requirements for ICPPRP481

Design complex carton

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- produce TWO different complex carton designs which accurately meet the client brief and substrate characteristics
- find and use information relevant to the task from a variety of information sources.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- outline health and safety concerns when using computers, plotters and scanners
- explain effect of board grain and calliper on carton design
- outline correct use of a micrometer
- explain how appropriate board for a product is selected
- explain how scuff, heat and moisture resistance are determined
- explain effect inks and sealants have on board characteristics and selection
- name computer programs for carton design
- outline checks to perform when programming a new design on the computer system
- discuss uses and limitations of digitisers and scanners
- outline checks to perform when using digitisers and scanners
- identify types of products cartons are used for
- explain how to determine if a design is appropriate for its end use
- explain how refrigeration affects design and materials
- list aspects of product sizing and tolerances that should be rechecked
- explain how tolerances are set in a design
- explain how stability in a display carton is ensured
- explain how to determine appropriate strength, size and placing of glue lines and nips
- identify carton designs suitable for machine packing

- identify carton designs suitable for hand packing
- outline constraints on design and positioning on the forme caused by knife making and production
- explain how manufacturing requirements of cutting and gluing affect carton design
- explain how appropriate angles and cornering of flaps are determined
- list main features of, and differences between, different graphic design software programs that need to be considered when outputting carton designs
- outline ways to ensure output is appropriate for the graphic design software used by the customer
- identify manuals, safety and other documentation relevant to this task, where they are kept, and information included in them
- identify other sources of available information.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the Pre-Press field of work and include access to special purpose tools, equipment and industry software packages.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>