



Australian Government

ICPPRP281 Design basic carton

Release: 1

ICPPRP281 Design basic carton

Modification History

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

Application

This unit describes the skills and knowledge required to design cartons using and adapting existing templates.

It requires the individual to design a basic carton using known templates that meet the job specifications and then produce an accurate sample before the final design is sent for output.

It applies to individuals who perform a range of mainly routine tasks in various sectors of the printing and graphic arts industry. They generally work under direct supervision, and use limited practical skills and fundamental knowledge in a defined context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Pre-Press

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Assess brief requirements	1.1 All relevant information in the brief is checked, e.g. carton type, dimensions, material 1.2 All relevant requirements of the brief are assessed in line with enterprise specifications
2 Select and modify template	2.1 Appropriate template is selected on the Computer Aided Design (CAD) system 2.2 Height, width and depth and gluing flap dimensions are adjusted according to the client brief

ELEMENT	PERFORMANCE CRITERIA
	2.3 Requirements for knife setting and stripping in production are checked and position is designed to have correct grain direction and maximise use of material
3 Use plotter to cut sample	3.1 Plotter is set up ready for downloading design 3.2 Cutting and creasing depths are set 3.3 Material is positioned correctly 3.4 Plotter is operated safely according to manufacturer's specifications and enterprise procedures 3.5 Routine machine maintenance is carried out as required
4 Assemble sample	4.1 Sample is cut by hand 4.2 Cut sample is folded and glued by hand ensuring angles and construction are correct 4.3 Originals and elements are selected, scaled and cropped appropriately to fit allocated grid space
5 Check and adjust design	5.1 Sample is checked to ensure conformance to the client brief 5.2 Design is adjusted if necessary to meet job specifications
6 Output design	6.1 Design is saved ready for downloading to forme cutter 6.2 Design is outputted as keyline for artwork or as film 6.3 Relevant paperwork is completed according to enterprise procedures

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 2.2, 3.4, 5.1, 5.2	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	6.3	Completes workplace records and forms accurately and legibly using correct technical and enterprise specific vocabulary

Numeracy	1.1, 2.2, 3.2, 4.2, 4.3	Interprets and analyses a range of mathematical information used in familiar and routine tasks
Navigate the world of work	1.2, 3.4, 6.3	Complies with legislative requirements and follows organisational policies and procedures relevant to own role
Get the work done	1.1, 2.1-2.3, 3.1-3.3, 3.5, 4.1-4.3, 5.1, 5.2, 6.1, 6.2	- Determines priorities and sequences steps involved in clearly defined, familiar tasks and identifies and assembles resources required - Takes responsibility for planning and organising own workload, and Initiates standard procedures when responding to familiar problems within immediate context - Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRP281 Design basic carton	ICPPP281C Design basic carton	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICPPRP281 Design basic carton

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Performance Evidence

Evidence of the ability to:

- produce TWO different carton designs and samples using existing templates to meet job brief and client specifications
- 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 work health and safety (WHS) concerns of using computers and plotters
- list Computer Aided Design (CAD) programs available for carton design
- outline the process to correctly align a cut out positioned in a design
- list products these cartons can be used for (sleeves, full flap, auto lock, crash lock, trays)
- explain how to determine if the design is appropriate for its end use
- outline aspects of product sizing and tolerances that should be rechecked
- list carton designs suitable for machine and hand-packing
- outline constraints on design and positioning on the forme caused by knife making and production
- list manuals, safety and other documentation relevant to this task, identify where they are kept and what information is included.

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.

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