



Australian Government

Department of Education, Employment and Workplace Relations

ICPPP435C Generate complex imposition

Revision Number: 1

ICPPP435C Generate complex imposition

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to undertake complex electronic imposition
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Application of the Unit

Application of the unit	This unit requires the individual to develop an imposition that best meets the job specifications and substrate size with a minimum delay in workflow.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Impose images electronically	1.1. Industry designated software is applied to the imposition of images according to job specifications 1.2. Imposition options are reviewed to ensure best fit for final substrate size 1.3. Trapping variables are taken into account 1.4. The particularities of the press are considered
2. Solve technical problems of imposition	2.1. Technical problems relevant to imposition are considered in the <i>imposition</i> scheme 2.2. A lay-down sheet is prepared according to cutting and creasing and folding requirements 2.3. Binding and finishing requirements are considered according to job specifications

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- OHS in relation to operating machinery such as safely switching off machinery before cleaning is started
- communication of ideas and information by interpreting implicit and explicit requirements of the job brief
- collecting, analysing and organising information by accessing data on software capabilities, production requirements and imposition schemes and matching them with the job brief
- planning and organising activities by planning the sequence of operations to facilitate smooth processing of the job
- teamwork when maintaining the production process in association with others
- mathematical ideas and techniques by calculating fit, spatial relationships between elements, impositions and colour profiles
- problem-solving skills by adjusting fit and imposition schemes to production requirements so that output meets the job brief
- use of technology by using software correctly to ensure ease of subsequent processing

Required knowledge

- examples of how subsequent printing processes or electronic output affect imposition
- imposition marks and why are they there
- difference between saddle stitch and perfect binding
- head margins
- difference between sheetwise and work and turn
- trapping requirements that apply for specific jobs
- saving a PostScript file
- imposition set up document
- installing fold and cut marks
- nominating creep settings
- creep and bottling
- availability of a server signature program to the output station
- technique that is used to verify that pictures and fonts are available
- mock-up and why is it used
- manuals, safety and other documentation that are relevant to this task and where are they kept and information that is included in these documents
- other sources of information that are available

Evidence Guide

EVIDENCE GUIDE	
The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of the ability to: • imposition that best meets the job specifications and substrate size • the underlying skill of solving complex technical problems of imposition to conform to brief specifications should be transferable across the design and pre-press sectors. It is important that the substrate for reproduction is identified and that the competencies be demonstrated with a clear identification of printing processes • demonstrate an ability to find and use information relevant to the task from a variety of information sources • produce TWO complex impositions according to the listed Performance Criteria.
Context of and specific resources for assessment	Assessment must ensure: • assessment may take place on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment • it is expected that special purpose tools, equipment and industry software packages will be used where appropriate.
Method of assessment	A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit: • direct questioning combined with review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.	
<i>Imposition software</i> may include:	- may include Imposition Publisher, Preps, DynaStrip, Impose-X, FACILIS IM, Panther PageImposer. New software applications and new versions of existing products enter the market regularly and therefore this example group will change - imposition plug-ins (eg Quark Express, Impolite) and imposition components of page layout applications where imposition is completely automated are not appropriate for assessing this unit of competency.
<i>Input</i> may include:	complex imposition data.
<i>Capture</i> may include:	any desktop or proprietary computing system.
<i>Manipulation/edit</i> may include:	a suitable imposition application.
<i>Output</i> may include:	printers, hard disk, imagesetters, digital proofers or plotters.
<i>Complexity</i> may include:	complex refers to intricate and detailed imposition and may include difficult cuts for packaging, design variations, folds and bindings.
<i>Quality standards</i> may include:	should meet client requirements and enterprise and industry standards.

Unit Sector(s)

Unit sector	
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Competency field

Competency field	Pre-press
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Co-requisite units

Co-requisite units		