



Australian Government

Department of Education, Employment and Workplace Relations

ICPSP282A Prepare film for basic screen printing

Revision Number: 1

ICPSP282A Prepare film for basic screen printing

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to prepare film for screen printing. No licensing, legislative, regulatory or certification requirements apply to this unit of competency.
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Application of the Unit

Application of the unit	This unit applies to individuals who generally work under direction, assess the production requirements in accordance with job specifications and operate equipment to prepare film for screen printing.
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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. Assess the production requirements in order to meet the process and job specification	<p>1.1. Requirements of the printing process and job <i>specification</i> are assessed</p> <p>1.2. Quality of job <i>elements</i>, including resolution/dpi are specified according to client requirements</p> <p>1.3. Films, dye cartridges, qualities and process requirements are determined</p> <p>1.4. Stock levels are checked, recorded and maintained according to job specifications</p> <p>1.5. Copy is checked and assessed according to job specifications</p>
2. Prepare and operate equipment to produce film separations	<p>2.1. <i>Scanner</i>/computer is selected and artwork/copy is placed squarely in the scanner</p> <p>2.2. Scanner software is selected/opened and correct settings are made according to job requirements</p> <p>2.3. Previews are made, images selected, finished scan completed, and image adjusted as required</p> <p>2.4. Image format is determined and saved to a storage device</p>
3. Select and use appropriate imaging software	<p>3.1. Software is selected and scan opened</p> <p>3.2. Separation is provided on individual layers according to job specifications</p> <p>3.3. Colours are excluded as required on separation layers</p> <p>3.4. Separation layers are coloured for specific raster image processor (RIP) software requirements</p> <p>3.5. Image/layers or separations are manually nested if required in accordance with film output device size</p> <p>3.6. Image format is determined according to RIP software requirements</p> <p>3.7. Supplied finished artwork/separation is checked for output suitability</p>
4. Select and operate an appropriate output device producing film separations	<p>4.1. RIP software is selected and opened</p> <p>4.2. Imagesetter/dye printer is selected and checked, and heads cleaned prior to outputting images</p> <p>4.3. Nesting is checked to ensure non-wastage of film</p> <p>4.4. Image is evaluated to ensure it complies with the job specifications and corrected if required</p> <p>4.5. Film is handled and output device is closed down according to manufacturers' recommendations</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- occupational health and safety (OHS) skills for operating machinery, such as safely switching off machinery before cleaning is started
- communication and literacy skills for expressing ideas and information
- planning, analysing and organising skills for preparing the screen prior to processing the materials in accordance with job specifications
- teamwork skills for maintaining the production process in association with others
- problem-solving skills for identifying faults and rectifying the image where required
- technical skills for operating hand/or computer driven cutting tools, handling film before and after separation and measuring the halftone value on film separation

Required knowledge

- image specifications
- resolutions/dpi determination
- scanner settings
- adjusting image brightness/contrast
- correct file format
- imaging software
- software for scanning and creation of vector graphics
- exclusion of colours and bleed for a particular job
- purpose of colouring separation layers (Hexachrome black)
- common file format when using RIP software
- nesting requirements
- output suitability prior to producing separations
- correct output device regular checks and maintenance that must be performed on an imagesetter/dye printer
- RIP software settings that must be checked prior to ripping
- procedures for evaluating output film to ensure it conforms to job specifications
- halftone value

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:

- produce films according to job specifications, client and industry standards
- prepare film for two different products involving a variety of image effects according to job specifications and manufacturer's specifications
- demonstrate the related underpinning knowledge to prepare for screen printing.

Context of and specific resources for assessment

Assessment must ensure:

- that conditions are typical ambient conditions found in the workplace
- access to relevant facilities and equipment
- use of culturally appropriate processes and techniques appropriate to the language and literacy capacity of learners and the work being performed.

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:

- portfolios of evidence and third party workplace reports of on-the-job performance by the candidate
- practical demonstration by the candidate in preparing film for screen printing
- direct questioning of underpinning knowledge required to prepare for screen printing and OHS issues.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

For valid and reliable assessment of this unit, evidence should be gathered over a period of time through a range of methods for assessment to indicate consistent performance.

Range Statement

RANGE STATEMENT	
<p>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.</p>	
<i>Specifications</i> may include:	<ul style="list-style-type: none"> • screen rulings • dot percentages • image thickness/film assessment.
<i>Elements</i> may include:	<ul style="list-style-type: none"> • text • headings • rules • components and shapes.
<i>Scanner</i> may include:	<ul style="list-style-type: none"> • flat-bed • drum scanners.

Unit Sector(s)

Unit sector	
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Competency field

Competency field	Screen printing
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Co-requisite units

Co-requisite units		

