



Australian Government

Department of Education, Employment and Workplace Relations

ICPSP271C Manually produce basic screen prints

Revision Number: 1

ICPSP271C Manually produce basic screen prints

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to manually produce one- or two-colour screen prints.
------------------------	---

Application of the Unit

Application of the unit	This unit is for the production of short runs that do not require a strong emphasis on production. For example it may be used in the production of limited art prints.
--------------------------------	--

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

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.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Load substrate	1.1.Substrate is checked for conformance to job specifications with any irregularities reported and/or rectified 1.2.Substrate position and stencil registration are adjusted according to job specifications
2. Apply ink to screen	2.1.Ink is applied to the screen in the quantity required for the screen size 2.2.Equipment is kept clean and spillage is minimised 2.3.Ink is checked for conformance to job specifications
3. Produce proof print	3.1.Proof print is run off and checked for colour, strength, registration, adhesion, clarity, gloss level, drying/curing, artwork detail and other technical aspects according to job specifications 3.2.Adjustments are made as required 3.3.Appropriate approval to commence production is sought prior to commencement 3.4.Belt speed and energy required are set to achieve desired curing or drying properties
4. Run job and monitor print quality	4.1.Printing speed production is adjusted to maximise quality and output 4.2.Print quality is continuously evaluated and adjusted as required 4.3.Effects of ink alterations during run are monitored and any discrepancy is notified according to enterprise procedures 4.4.Workplace documentation on job is completed as required 4.5.Curing and drying are constantly monitored and adjusted according to manufacturer's/ supplier's and job specifications
5. Carry out routine user maintenance	5.1.Equipment is cleaned according to enterprise procedures 5.2.Fault conditions are identified and reported according to enterprise procedures
6. Stack production output	6.1.Output is checked for thorough drying/curing before stacking 6.2.Job status and progress are checked for conformance to job specifications and any necessary action is taken
7. Finish operation	7.1.Excess ink, screens, squeegees and flood coaters are

ELEMENT	PERFORMANCE CRITERIA
	removed and cleaned according to OHS requirements and manufacturer's/supplier's specifications 7.2. Waste materials are disposed of according to manufacturer's/supplier's specifications, regulatory requirements and enterprise procedures 7.3. Equipment and surrounding areas are cleaned according to manufacturer's/supplier's specifications and enterprise procedures

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 seeking approval for a production run after a proof is produced
- collecting, analysing and organising information by completing workplace documentation
- planning and organising activities by producing a proof print prior to doing the job run
- teamwork when maintaining the production process in association with colleagues
- mathematical ideas and techniques by applying the correct quantity of ink to the screen
- problem-solving skills by checking proof for conformance to job specifications and making required adjustments
- use of technology by using the various equipment and tools required

Required knowledge

- the procedure for setting up the frame in position relative to the print image and base board in preparation for printing
- check to be made of the ink to determine its suitability for printing on this substrate
- the need to check the substrate for conformance to job specifications
- OHS concerns that are there when producing a manual print
- checks to be made on the printed sheet when the proof print has been run off
- what aspects of the print are evaluated during printing?
- the drying/curing system to be used for this application
- maintenance that should be carried out on this machine
- the correct method of ink removal and cleaning squeegees
- ways of determining whether a print is dried/cured prior to stacking
- manuals, safety and other documentation that are relevant to this task and where they are kept
- information that is included in these documents

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 following is essential:

- manually produce different one- or two-colour print runs according to job specifications
- demonstrate an ability to find and use information relevant to the task from a variety of information sources
- manually produce TWO different one- or two-colour print runs according to manufacturer's and job specifications, enterprise procedures and 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 both of these. Off the job assessment must be undertaken in a closely replicated workplace environment.

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, for example:

- ICPSU202C Prepare, load and unload product on and off machine
- ICPSP351C Prepare machine and drying/curing unit.

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>Drying/curing units</i> may include:	• manual drying systems commonly used in specific industry sectors.
<i>Quality standards</i> may include:	• should meet client requirements and enterprise and industry standards.
<i>Enterprise procedures</i> may include:	• tasks must be performed according to enterprise procedures.
<i>Types of techniques</i> may include:	• basic manual techniques relative to industry sector.
<i>Complexity</i> may include:	• one- or two-colour jobs.
<i>Degree of autonomy</i> may include:	• working under supervision to previously defined procedures to ensure production requirements are met.

Unit Sector(s)

Unit sector	
-------------	--

Competency field

Competency field	Screen Printing
------------------	-----------------

Co-requisite units

Co-requisite units		

Co-requisite units		