



Australian Government

ICPPRN2880 Produce basic relief printed product

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 4.0.

Application

This unit describes the skills and knowledge required to produce basic relief printed product through operation of a platen, cylinder or rotary printing machine.

It applies to individuals who generally work under direct supervision and assist in the production process by maintaining equipment, materials and quality requirements.

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

Unit Sector

Printing

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. Maintain operation of reel system	1.1 Review and adjust reel stand and rewind sections and web control system 1.2 Add substrate to and remove substrate from process according to job specifications 1.3 Monitor and adjust sheeting section 1.4 Review and adjust set-off and marking prevention systems according to proof quality requirements
2. Maintain operation of sheet system	2.1 Check and adjust feeder and delivery sections 2.2 Check and adjust sheet pick-up and transport system and transfer system 2.3 Add substrate to and remove substrate from the process

ELEMENT	PERFORMANCE CRITERIA
3. Maintain basic routine relief printing process	3.1 Monitor and adjust relief form and plate cylinder condition according to proof quality requirements 3.2 Review and adjust relief impression surface condition 3.3 Observe and adjust relief inking system
4. Maintain routine production process	4.1 Use machine controls according to manufacturer specifications and work health and safety (WHS) requirements 4.2 Monitor and verify performance using the process control system 4.3 Review and adjust ink performance, colour, register and position 4.4 Report process adjustments to eliminate problems according to enterprise procedures
5. Identify and rectify problems	5.1 Identify and report problems in machine operation according to enterprise procedures 5.2 Carry out adjustments or corrections according to specified procedures, and within scope of own role 5.3 Verify repairs and adjustments as required prior to resumption of operations
6. Conduct shutdown of production process	6.1 Follow shutdown sequence according to manufacturer specifications and enterprise procedures 6.2 Label and store unused ink and embellishment equipment 6.3 Remove solid and liquid waste from operating area and recycle and dispose of, as required, according to regulatory requirements and enterprise procedures 6.4 Clean and disengage all required parts of machinery used in printing process 6.5 Complete required production records and enterprise documentation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
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Writing	Enters routine data associated with production processes and enterprise procedures
Numeracy	Interprets and analyses a range of mathematical information used in familiar and routine tasks
Self-management	- Identifies and follows explicit and implicit protocols and meets expectations associated with own role - Identifies and follows all procedures for cleaning and maintenance of equipment, incorporating regulatory requirements and enterprise procedures
Teamwork	- Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and accountability - Identifies what to communicate, with whom and how, in routine work situations
Planning and organising	Determines priorities and sequences steps involved in clearly defined, familiar tasks
Problem solving	Identifies and anticipates an increasing range of familiar problems, their symptoms and causes, actively looking for early warning signs and implementing contingency plans
Technology	Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Unit Mapping Information

Supersedes and is equivalent to ICPPRN288 Produce basic relief printed product.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICPPRN2880 Produce basic relief printed product

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- produce two basic relief printing products.

In the course of the above the candidate must:

- operate production process in association with fellow workers and according to enterprise procedures and planned daily schedule
- follow work health and safety (WHS) requirements and manufacturer specifications and enterprise procedures
- use control, monitoring and data entry systems
- manipulate embellishment tools and operations
- provide an example of printed material below acceptable standard
- anticipate production difficulties and take preventive action to prevent occurrence.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- WHS risks and requirements for:
 - loading and handling heavy reel sheets fanned before loading into the press
 - operating the in-line components of the press
 - washing and shutdown of the machinery and equipment
 - handling and storing cleaning materials
- the key features of and differences between reel and sheet transportation and delivery systems
- web tracking and its importance to position and register
- the consequences of not splicing web as required
- components that can be adjusted to ensure delivery
- the effect of excessive suction on the slow-down wheels

- the frequency required for product quality assessment
- the causes of a halo effect on the relief print
- signs of wear in the image area of the plate marking product deemed unacceptable by operator
- monitoring systems in the relief production process
- techniques for maintaining ink levels
- examination frequency of in-line components
- quality control, requirements and problem-solving techniques
- precautions necessary to ensure rewind product meets job quality requirements
- required actions in case of mild set-off on the back of the print
- personnel to consult in case of print problems that cannot be fixed by the operator
- the location of information concerning operation of the machine
- storage procedures for plates following printing
- parts of the machine requiring cleaning and inspection for wear following the print run
- records that should be kept for repeat prints
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- special purpose tools, and materials
- platen, cylinder or rotary printing machines.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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