



Australian Government

ICPPRN3930 Set up for basic relief printing

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 safely set up reel-fed or sheet-fed platen, cylinder or rotary printing machines, and conduct a proof run for basic relief printing.

It applies to individuals who prepare material, monitor and run equipment and machinery, and apply solutions to a defined range of unpredictable problems. They may also provide leadership and guidance to others with some limited responsibility for the output of others.

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. Prepare for job	1.1 Identify job specifications 1.2 Set up required printing machinery according to manufacturer specifications
2. Set up reel system	2.1 Set up and adjust unwind and rewind reels 2.2 Carry out webbing procedures and set up and adjust web-control system 2.3 Prepare reels according to job specifications 2.4 Check and adjust printed web viewing devices 2.5 Set up and adjust folder and sheets 2.6 Prepare and adjust set off and marking prevention devices as

ELEMENT	PERFORMANCE CRITERIA
	required
3. Set up sheet transportation system on sheet-fed machine	3.1 Set up and adjust feeder and delivery sections 3.2 Set up and adjust sheet pick-up and transportation systems 3.3 Set up and adjust transfer and control systems 3.4 Add substrate to and remove substrate from process according to job specifications
4. Select and prepare inks and additives	4.1 Select inks and additives required according to job specifications and end-user requirements and confirm they meet quality requirements 4.2 Prepare inks and additives according to work health and safety (WHS) requirements, and manufacturer specifications 4.3 Mix and prepare colour and volume of ink to match requirements of the printing process and job specifications 4.4 Approve and record formulation of ink, colour match and approved 4.5 Label, handle and store inks and additives according to manufacturer specifications
5. Select and prepare embellishment dyes	5.1 Select dye according to quality requirements, job specifications and end-user requirements 5.2 Prepare dyes according to WHS requirements and manufacturer specifications 5.3 Label, handle and store embellishment dyes according to manufacturer specifications
6. Set up machine for basic relief printing	6.1 Select relief plates and secure to the machine 6.2 Position, set up and adjust relief plates, formes and cylinders as required 6.3 Set up and adjust impression 6.4 Check and adjust inking system according to relief process requirements 6.5 Set up and adjust drying system 6.6 Position, set up and adjust dyes
7. Conduct proof run	7.1 Operate machine according to manufacturer specifications and enterprise procedures to produce specified proof 7.2 Inspect and test proof as required according to enterprise procedures

ELEMENT	PERFORMANCE CRITERIA
	7.3 Seek client approval and authority prior to the production run as required 7.4 Interpret results and make adjustments according to product and machine specifications as required

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
Reading	Identifies and interprets text to establish job requirements
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
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	Takes responsibility for planning and organising own workload and assembles required resources
Problem solving	Identifies and takes responsibility for addressing predictable, problems in familiar work contexts, adjusting resources and equipment as required
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 ICPPRN393 Set up for basic relief printing.

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 ICPPRN3930 Set up for basic relief printing

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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:

- set up for two basic relief printing jobs, according to manufacturer specifications and enterprise procedures.

In the course of the above the candidate must:

- demonstrate all safety devices on the machine
- manipulate embellishment tools and operations
- use computerised control, monitoring and data entry systems.

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:

- enterprise procedures and manufacturer specifications, and work health and safety (WHS) requirements associated with relief printing processes, including:
 - reel and sheet in-feed setup
 - the handling and storage of inks and other materials
 - machine setup
- the job ticket, the information it contains and the procedures to undertake if information is missing
- reel preparation, including splicing and joining requirements
- the checks required prior to set-up
- relief plates, their positioning and effect on the job
- functions and processes of the following machine sections and issues that may arise:
 - reel and sheet in-feed units
 - in-line units
- selection criteria for front and side lays, and their effects
- risks and issues associated with the rewind of reel-only delivery system machines

- the sheet-only delivery system, its applications and common issues
- the methods to check ink colour and quality
- ink matching to job requirements
- machine set-up procedures, including ink profile and rollers
- optimum ink duct sweep
- unique properties and issues associated with of ultraviolet (UV) ink
- quality control procedures and checks applied to the print
- adjustable areas of the machine and criteria for determining success
- waste management principles
- maintenance of results records
- 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, equipment and materials
- printing machinery
- machine manuals and safety documentation.

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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