



Australian Government

ICPPRN4930 Set up and monitor in-line printing operations

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 set up and monitor either a reel- or sheet-fed machine.

It applies to individuals who possess a sound theoretical knowledge of in-line printing operations and who are responsible for digital production workflow.

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 requirements 1.2 Set up required printing machinery according to manufacturer specifications and work health and safety (WHS) requirements 1.3 Confirm availability of all job components
2. Set up machine for in-line operation	2.1 Set up substrate transportation system 2.2 Set up and adjust set off and marking prevention devices 2.3 Select image carrier and cutting device and secure to the unit 2.4 Adjust and set impression 2.5 Adjust and set image transfer and inking devices as required

ELEMENT	PERFORMANCE CRITERIA
3. Conduct proof run	3.1 Operate machine according to manufacturer specifications and enterprise procedures to produce specified proof 3.2 Inspect and test sample as required according to enterprise procedures 3.3 Seek client approval and authority prior to the production run as required 3.4 Interpret results and make adjustments according to product and machine specifications as required
4. Maintain and monitor production process	4.1 Operate production process according to enterprise procedures 4.2 Report process adjustments to eliminate problems according to enterprise procedures 4.3 Identify machine faults requiring repair and report to designated person according to enterprise procedures 4.4 Verify repairs and adjustments prior to resumption of operations
5. Conduct shutdown of production process	5.1 Follow shutdown sequence according to manufacturer specifications and enterprise procedures 5.2 Label and store unused ink and coating, according to manufacturer specifications and enterprise procedures 5.3 Remove solid and liquid waste from operating area and recycle and dispose of, as required, according to regulatory requirements and enterprise procedures 5.4 Clean all required parts of machinery used in printing process according to manufacturer specifications and enterprise procedures 5.5 Complete required production records and enterprise documentation

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Description
Writing	Completes records, labels and other required documents according to workplace requirements
Self-management	Complies with enterprise procedures relevant to own role

Teamwork	• Collaborates and cooperates with others to achieve joint outcomes • Contributes to workgroup discussions using accepted conventions • Selects and uses communication practices when reporting issues
Planning and organising	• Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for greater efficiency • Assembles and organises required resources
Problem solving	• Identifies and takes responsibility for addressing predictable problems in familiar work contexts
Technology	• Reads data from electronic monitoring and control systems

Unit Mapping Information

Supersedes and is equivalent to ICPPRN493 Set up and monitor in-line printing operations.

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 ICPPRN4930 Set up and monitor in-line printing operations

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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 and monitor in-line processes on two occasions according to job specifications and enterprise procedures.

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, manufacturer specifications and work health and safety (WHS) requirements for:
 - setting up and operating in-line units
 - setting up and operating transportation systems
 - machine shutdown
 - handling and storing cutting devices
 - handling and storing inks and liquid materials
 - cleaning and liquid waste disposal
- the information available on the job ticket and steps taken if vital information is missing
- common machine faults and correction methods
- features, functions and common faults of the in-line units, including:
 - devices to control the substrate
 - components responsible for positioning
 - components requiring cleaning
 - areas requiring repair
- problems caused by an incorrectly set transportation section
- machine parts requiring set up before the in-line unit
- precautions required when setting the impression
- checks to perform after a proof run on any in-line operation or process

- enterprise escalation procedures and required personnel for:
 - problems with the job during make ready
 - machine adjustments during production
 - machine repairs
- methods used to minimise waste during make ready
- signs of wear of the image carrier
- operator procedures for marking printed material if it is unacceptable
- print faults the operator identifies during the print run
- the frequency of product quality assessment
- techniques for determining product workflow
- image carrier and cutting device storage procedures
- ink labelling procedures
- the effect on machine production if components are not cleaned following print run
- the outcome if production information is not completed on the job ticket
- records to be completed for a reprint or repeat print run
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the printing field of work and include access to:

- special purpose tools, equipment and materials
- printing machinery with in-line operations.

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