



**Australian Government**

# **ICPPRN421 Set up for complex gravure printing**

**Release: 1**

## ICPPRN421 Set up for complex gravure printing

### Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

### Application

This unit describes the skills and knowledge required to set up non-routine gravure printing machines for non-routine print jobs. It includes the ability to conduct a proof run and adjust settings to ensure production speeds are attained.

It applies to individuals working as print machinists in the printing and graphic arts industry. They prepare material, set up, monitor and operate equipment and machinery, apply solutions to a defined range of problems associated with the print medium and analyse and evaluate information from a variety of sources. 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. Confirm non-routine job specifications	1.1 Job requirements are read and interpreted from job documentation or production control system 1.2 Set up is planned and carried out correctly in minimum time with minimum wastage 1.3 Availability of all job related components is checked
2. Set up reels	2.1 Unwind and rewind reels are set up and adjusted according to job specifications 2.2 Webbing procedures are carried out according to non-routine

ELEMENT	PERFORMANCE CRITERIA
	<p>job specifications</p> <p>2.3 Web-control system is set up and adjusted according to job specifications</p> <p>2.4 Reels are spliced/joined according to job specifications</p> <p>2.5 Printed web viewing devices are set up and adjusted according to job specifications</p> <p>2.6 Folder and sheeter are set up and adjusted according to job specifications</p> <p>2.7 Set off / marking prevention devices are set up and adjusted according to job specifications</p>
3. Select and prepare inks and additives	<p>3.1 Inks, dyes or additives are selected according to job specifications and end-user requirements</p> <p>3.2 Quality and suitability of inks, dyes or additives are checked and appropriate action is taken</p> <p>3.3 Inks, dyes and additives are prepared according to WHS requirements, and manufacturer's/supplier's instructions with suitable precautions to minimise waste</p> <p>3.4 Correct colour and weight/volume of ink are mixed and prepared to match requirements of the printing process and job specifications</p> <p>3.5 Formulation of ink, colour match and approved colour are appropriately recorded</p> <p>3.6 Inks, dyes and additives are appropriately labelled, handled and stored according to manufacturer's/supplier's instructions to prevent damage and hazards to personnel, and to prolong shelf life</p>
4. Set up machine for complex gravure printing	<p>4.1 Gravure cylinders are selected, installed, set up and adjusted according to job specifications</p> <p>4.2 Impression roller is set up and adjusted according to job specifications</p> <p>4.3 Inking system / doctor blade is set up and adjusted according to the gravure process and job specifications</p> <p>4.4 Drying system is set up and adjusted according to job specifications</p>
5. Conduct proof run	<p>5.1 Material to be used for proof is organised correctly</p> <p>5.2 Machine is operated according to manufacturer's and enterprise procedures to produce a specified proof</p> <p>5.3 Machine is operated according to manufacturer's and</p>

ELEMENT	PERFORMANCE CRITERIA
	<p>enterprise procedures to produce a specified proof</p> <p>5.4 Production does not commence without client approval or authority where appropriate</p> <p>5.5 Results are interpreted and adjustments are carried out according to product and machine specifications to determine adjustment requirements</p>

## Foundation Skills

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

Skill	Performance Criteria	Description
Reading	1.1, 2.1-2.7, 3.1, 3.3, 3.4, 3.6, 4.1-4.4, 5.5	<ul style="list-style-type: none"> <li>Recognises and interprets text to establish job requirements from information contained within relevant instructions, procedures and specifications</li> </ul>
Writing	3.5, 3.6, 5.4	<ul style="list-style-type: none"> <li>Completes records and documents accurately and according to workplace requirements</li> </ul>
Oral Communication	5.4	<ul style="list-style-type: none"> <li>Participates effectively in spoken interactions using appropriate vocabulary, questioning and listening techniques to gain approvals</li> </ul>
Navigate the world of work	3.3, 3.5, 3.6, 5.2-5.4	<ul style="list-style-type: none"> <li>Complies with legislative requirements and follows organisational policies and procedures relevant to own role</li> </ul>
Interact with others	5.4	<ul style="list-style-type: none"> <li>Follows accepted communication practices and protocols when seeking approval to commence production</li> </ul>
Get the work done	1.1-1.3, 2.1-2.7, 3.1-3.4, 3.6, 4.1-4.4, 5.1-5.3, 5.5	<ul style="list-style-type: none"> <li>Takes responsibility for planning and organising own workload using analytical processes to decide on a course of action, and assembles required resources</li> <li>Implements actions as per instructions, making adjustments if necessary</li> <li>Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment</li> <li>Reads data from electronic monitoring and control systems</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN421 Set up for complex gravure printing	ICPPRN421C Set up for complex gravure printing	Updated to meet Standards for Training Packages	Equivalent unit

## Links

Companion Volume implementation guides are found in VETNet -

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