



Australian Government

Assessment Requirements for ICPPRN393

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 1.0.

Performance Evidence

Evidence of the ability to:

- set up reel- or sheet-fed platen, cylinder or rotary printing machines for routine print jobs
- conduct proof run and adjust settings to ensure production speeds are attained
- use computerised control, monitoring and data entry systems if available and appropriate
- find and use information relevant to the task from a variety of information sources
- demonstrate all safety devices on the machine
- manipulate embellishment tools and operations
- set up for TWO basic relief printing jobs (if possible including at least one in-line process) according to manufacturer's specifications and enterprise procedures.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

Job specifications

- explain what to do if vital information is missing from the job ticket
- outline checks to do prior to set-up

Relief plates

- explain effect of plates with poor relief
- explain importance of calliper of mounting material
- explain how to position plate on the mount ensuring plate edges do not lift

Reel in-feed

- outline major work health and safety (WHS) concerns when setting up the reel in-feed
- explain how to determine printing side of the material

- outline effects of low web tension on the print
- explain other types of web splices that can be used appropriately for the job

Sheet in-feed

- outline major WHS concerns of setting up the sheet in-feed
- explain how sheet position is determined for the job
- outline effects that side lay selection has on the job
- explain how to appropriately select front lays
- list procedures for a register check
- explain why a two-sheet cut is used on most feeders
- explain how the machine knows if the sheet is missing or late

Reel only delivery system

- explain effects of excessive web tension at rewind of the machine
- outline major risks associated with rewind of the machine

Sheet only delivery system

- explain why application of spray powder is sometimes advisable
- list effects of too much spray powder
- explain the use of slowdown devices in the delivery
- outline effects of excessive jogging on the stack

Preparation of inks and additives

- outline main environmental and WHS concerns about inks and additives
- explain how to match ink to a particular job
- outline results of ink being too tacky
- explain the process for changing ink that is too light
- outline methods available to check ink for correct colour
- explain responsibility for passing the colour prior to running the job

Machine set-up

- outline WHS concerns of setting up the machine
- explain how to determine specifications relating to the specific job
- explain effects incorrectly set inking rollers have on the print
- outline ways the ink profile may vary across the machine
- explain what 'optimum ink duct sweep' refers to

Basic in-line processes

- outline precautions to take if UV drying is to be utilised to dry the ink film
- list steps to incorporate in-line processes into the make ready
- explain how equipment used in in-line processing can be protected against damage during set-up

Proofing and adjustment

- outline methods to minimise waste during make ready
- list procedures to be adopted to have the print approved
- list quality control measurements applied to the print to test against known standards
- outline checks on the initial print prior to running
- explain how settings to be adjusted are determined
- summarise the process to plot success of the machine adjustment
- summarise how to record final results for future reference

Source information

- outline a range of information sources relevant to basic relief printing.

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
- reel- or sheet-fed platen
- cylinder or rotary printing machines
- machine manuals, safety and other documentation relevant to basic relief printing.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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