



Australian Government

Assessment Requirements for ICPPRN452 Produce specialised 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 1.0.

Performance Evidence

Evidence of the ability to:

- operate a platen, cylinder or rotary printing machine to produce a specialised printed product that maintains product quality standards, including anticipating and rectifying production problems, minimum downtime, and cleaning and shutting down the machine according to work health and safety (WHS) guidelines
- access and use information relevant to the task from a variety of information sources
- monitor production output and make necessary adjustments to maintain print quality on a relief printing machine while producing a specialised print on TWO occasions (if possible using different substrates and if possible including at least two in-line processes) according to job specifications, enterprise procedures and the performance criteria.

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:

- outline major WHS concerns of setting up the reel transportation system
- identify reel wander cause
- explain cause of web break at the unwind unit
- identify a print fault resulting from the reel being run out of centre
- describe possible faults in the unwind section that can cause a web break
- outline WHS concerns of operating the sheet transportation system
- describe the result of worn suckers at the feeder suction head
- describe sheet detection types for particular machines
- describe how much movement the sheet should have when being registered by the side lay
- explain the cause of mis-register of the sheet at the feeder

- identify visible signs of the sheet being registered in the feeder
- explain the gripper malfunction effect on sheet control and transfer
- describe adjustment of the sheet transfer mechanisms
- describe what causes the feeder stack to become uneven
- describe what happens if the feeder stack loaded unevenly
- explain how to rectify unevenness of the feeder stack
- outline WHS risks associated with rewinding and sheeting
- identify a safety feature in the delivery system for when the web jams up
- explain sheet cut-off wander
- describe the effect of poorly adjusted nip rollers when rewinding and sheeting
- describe the effect machine speed has on sheet delivery
- explain the advantage of spraying moving sheets with anti-set off powder in the delivery
- identify items in the delivery that can cause marking of the printed image
- outline remedial steps to eliminate marking of the printed image
- explain faults caused by from incorrectly set grippers in the transfer section of a machine
- describe adjustments to devices to maintain sheet control in the delivery
- describe what happens if the plate lifts at the grip edge during a print run
- describe the effect on the printed product of build-up of ink on the impression cylinder
- explain what causes ink to lie back in the duct
- describe how to rectify the problem of paper surface picking
- explain the cause of diminished impression during the print run
- explain what causes the plate surface to prematurely wear during production
- describe the effect of eating or drinking near the machine when using UV inks
- explain the link between driers and set off and marking
- explain what causes UV ink to dry
- explain the cause of substrate blistering
- describe the effect of incorrect drying temperature on the finished product
- describe the effect of inadequate communication within the work team on a lithographic printing machine
- outline safety features within the organisation that aid in maintaining effective production
- outline ramifications if machine guards are removed and/or micro switches are disconnected on a machine
- explain legal responsibilities relating to removal of machine guards and/or disconnection of micro switches
- identify other measurement, besides optimum solid ink density, to assess print quality
- describe the most accurate method of checking register during a production run
- explain reasons to take immediate action when production problems are anticipated
- identify actions taken to eliminate further processing of unacceptable printed product
- describe the effect on a stack of paper if relative humidity is increased in the press room
- outline the procedure to care for a newly delivered skid of paper to the press room
- explain steps involved in waste sorting
- identify advantages of keeping reusable waste
- outline industry standards to enhance effective communication with clients

- identify necessary procedures clients should follow to approve a printed product
- identify situations when it is necessary to call service personnel to correct a machine problem
- identify enterprise procedures in place to report any machine operating problems
- explain the result if correct shutdown procedures were not followed
- explain the need for correct shutdown procedures conducted with fellow workers
- identify advantages of proper labelling and storage of excess inks and materials
- explain reasons for clear labelling of printed product prior to removal from the press room
- describe the use of completed records in final analysis of the job
- outline benefits of comprehensive records when considering production of future jobs
- identify machine manuals, safety and other documentation relevant to this task, where they are kept, and information included in these documents.

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
- platen, cylinder or rotary printing machine.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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