



Australian Government

Assessment Requirements for ICPPRN3320 Produce complex lithographic 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 4.0.

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:

- demonstrate use of control, monitoring and data entry systems
- monitor production output and make necessary adjustments to maintain print quality on a lithographic machine while producing a complex print on two occasions.

In the course of the above the candidate must:

- operate production process in association with fellow workers and according to enterprise procedures and planned daily schedule
- follow work health and safety (WHS) requirements, manufacturer specifications and enterprise procedures
- anticipate production difficulties and take preventive action to prevent occurrence.

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 and manufacturer procedures, and WHS requirements for:
 - setting up and operating the sheet and reel delivery and transportation systems
 - rewinding in the reel delivery system
 - handling inks and materials
 - cleaning parts of the machine and waste disposal
 - enterprise escalation procedures and required personnel
- causes of:
 - the reel wandering and web breaking at the unwind unit
 - the sheet cut-off wandering
 - mis-register when the sheet is in the feeder
 - an uneven feeder stack

- the web jamming up in the folder
- blanket packing-creep during printing
- ink lying back in the duct and ink stripping on the inking rollers
- conductivity of the fountain solution changing over an eight hour shift
- UV ink drying and substrate blistering
- problems that arise from the following and their correction methods:
 - the reel being run out of centre
 - poorly adjusted nip rollers in rewinding and sheeting
 - worn suckers at the feeder suction head
 - gripper malfunction on sheet control and transfer
 - the feeder stack not being loaded levelly
 - excessive pressure on the slitters
 - dirty formers and adjusting rollers at their base
 - defective pins in the folder
 - grippers not being set as required in the machine transfer section
 - plates developing a crack at grip edge during a print run
 - blankets not being tensioned as required
 - excessive use of fountain solution on the plate
 - excessive conductivity
 - drying temperature being too low in the chillers or incorrect on finished product
 - inadequate communication within the work team
- features and functions, common issues and faults and methods to resolve them for the following machine sections in all systems:
 - transportation
 - delivery
 - in-line processing units
 - printing units
 - the rewind unit
- client communication standards and approval process for a finished product
- plate storage procedures
- machine problems where service personnel must be contacted and reporting procedures
- labelling procedures for printed reels and their purpose
- effect of machine speed on sheet delivery
- difference between a “flying paster” and “zero speed” type reel-stand
- visible signs of the sheet being registered in the feeder and by side lay
- link between driers, set-off and marking, and use of anti-set-off powder in delivery
- the enterprise personnel responsible for removing machine guards and disconnecting micro switches and its effects
- disadvantages of using a closed looped system for automatic control of the printed product
- available measurements besides optimum solid ink density used to assess print quality

- actions required when production problems are anticipated and further processing of unacceptable printed product must be eliminated
- use of completed records in final job analysis and their benefits in production of future jobs
- 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
- lithographic printing machine.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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