Australian Government

Assessment Requirements for ICPPRN394 Produce complex relief printed product

Release: 1

Assessment Requirements for ICPPRN394 Produce complex relief printed product

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:

- accurately monitor production output and make necessary adjustments to maintain print quality on a relief printing machine while producing a complex print on TWO occasions (if possible using different substrates and at least two in-line processes) according to job specifications, enterprise procedures and work health and safety (WHS) requirements.

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
- describe possible causes of reel wandering and web breaks at the unwind unit
- outline print faults resulting from the reel being run out of centre
- outline major WHS concerns of setting up the sheet transportation system
- identify the result of worn suckers at the feeder suction head
- describe the two-sheet detection on the machine, and the amount of movement the sheet should have when being registered by the side lay
- outline possible causes of mis-register of the sheet feeder and visible signs of the sheet being registered in the feeder
- describe a gripper malfunction of sheet control and transfer, and the sheet transfer mechanisms that require adjusting
- identify causes of the feeder stack becoming uneven, and the result if the feeder stack not loaded level
- describe the process of reel delivery for rewinding and sheeting and the associated WHS risks
- list the safety feature in the delivery system if the web jams up, and reasons for sheet cut-off wander

- describe the effect of poorly adjusted nip rollers when rewinding and sheeting
- outline the effect machine speed has on sheet delivery, and the advantage of spraying moving sheets with anti-set-off powder in delivery
- outline items in the delivery that can cause marking on the printed image, and remedial steps necessary to eliminate marking
- outline faults from incorrectly set grippers in the transfer section of a machine, and devices to adjust to maintain sheet control in the delivery
- identify the result if the plate lifts at the grip edge during a print run, and build-up of ink on the impression cylinder affecting printed product
- list possible causes of ink leaking back in the duct
- outline the problem of paper surface picking being rectified
- identify causes of diminished impression during the print run
- identify causes of plate surface prematurely wearing during production
- describe possible issues if eating or drinking near the machine when using UV inks
- identify link between driers and set-off and marking, and what causes UV ink to dry
- identify causes of substrate blistering and the effect of incorrect drying temperature on finished product
- outline major WHS concerns when operating cutting devices, and importance of checking consistency of the cutting and creasing unit
- identify the result of excessive pressure on the slitters, and the benefit of die cutting using a rotary die
- outline advantages of using a perforation wheel to perforate
- describe the effect of inadequate communication within the work team on a relief printing machine
- describe importance of safety features within organisation and in maintaining effective production
- identify ramifications if machine guards are removed and/or micro switches are disconnected on a machine
- explain legal responsibility for removal of machine guards and/or disconnection of micro switches
- identify measurement other than optimum solid ink density that can be used to assess print quality
- identify the most accurate method of checking register during a production run
- explain actions to take when production problems are anticipated and 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, and the procedure to care for a newly delivered skid of paper to the press room
- explain reasons for sorting waste and advantages of keeping reusable waste
- explain industry standards to enhance effective communication with clients and necessary procedures clients should follow to approve a printed product
- explain when it is necessary to call service personnel to correct a machine problem
- outline enterprise procedures to report any machine operating problems
- describe the result if correct shutdown procedures are not followed, and correct shutdown procedures to be followed with fellow workers

- explain advantages of proper labelling and storage of excess inks and materials
- explain importance of clearly labelling printed product prior to removal from the press room
- explain WHS requirements for handling ink and cleaning printing cylinders
- explain cleaning and washing techniques for the printing unit prior to the next print run and procedures for storing plates so as to minimise damage
- outline WHS precautions for cleaning the feed, transportation, delivery and in-line sections of the machine
- explain importance of maintaining a clean substrate handling section of the machine
- explain importance of completing records used in final analysis of the job, and benefits for future jobs
- identify machine manuals, safety and other documentation relevant to the production of complex relief printed products and other sources of relevant information.

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.

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