Assessment Requirements for ICPPRN491 Use on-press monitoring of print quality

Release: 1

Assessment Requirements for ICPPRN491 Use on-press monitoring of print quality

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:

- find and use information relevant to the task from a variety of information sources
- set up and align monitoring device to appropriate standards on THREE occasions – standards may be defined by enterprise/operator or default tolerances, client requirements, colour tolerances, and/or industry standards
- produce profiles of samples taken during THREE different print runs that show print production is within agreed tolerances, if possible, using different variables.

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:

- explain colour theory of:
    - additive colours (light), red, green, blue (RGB)
    - subtractive colours (pigments), cyan, magenta, yellow, black (CMYK)
- discuss the relationship between ranges of visual colour RGB and CMYK
- outline International Colour Consortium (ICC) profiling
- describe underlying principles of densitometry and spectrophotometry
- explain how to determine tolerance in densitometry and spectrophotometry
- describe original colour control bar determinates
- outline how to determine accuracy of elements in a colour bar
- explain how to ensure consistent print quality output
- explain how to recognise colour contamination
- describe how to set alarm limits for colour contamination
- describe the process for accessing data and determining that data is appropriate
- explain the purpose of sampling to ensure consistency

- describe processes to put in place if sample varies from standard
- discuss ways quality can vary and how it can be fixed
- outline computerised functions, common faults and electronic registration systems
- describe information needed:
    - from pre-press to ensure quality product
    - to give to pre-press to ensure quality product
- define these terms: registration, fit, position and alignment
- explain the importance of registration marks.

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 including access to a computerised 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