ICPPP352C Output complex images

Revision Number: 1

ICPPP352C Output complex images

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to output complex images.

Application of the Unit

Application of the unit	This unit requires the individual to prepare an output device and prepare complex images or files for output. The final out put will meet the job specifications and be free from errors.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Set up and maintain the output device	1.1. Devices are set up to manufacturer's specifications and enterprise standards 1.2. ***Output*** medium is calibrated by conducting exposure tests using appropriate software and hardware 1.3. Calibration is evaluated and necessary adjustments are made to output device
2. Adjust and manipulate images/files	2.1. Electronic files are evaluated as to suitability for output 2.2. Appropriate output resolution is set 2.3. Appropriate screen angle and dot type are set according to job specifications 2.4. Appropriate colour profiles are applied where necessary 2.5. Availability of high resolution images is assessed for OPI process 2.6. Appropriate fonts are available 2.7. All support files are included with the job
3. Output the image	3.1. The file is prepared for output to imaging device 3.2. Job queuing is managed to ensure efficient production 3.3. Images are outputted to the appropriate medium 3.4. Output is processed according to job specifications
4. Evaluate the result	4.1. Out put is checked for correct dot size, screen angles and film density 4.2. Image elements are checked according to original job specifications 4.3. Technical problems are solved and appropriate corrections are made 4.4. Job is prepared for the next stage of production

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- OHS in relation to operating machinery such as safely switching off machinery before cleaning is started
- communication of ideas and information by interpreting implicit and explicit requirements of the job brief
- collecting, analysing and organising information by matching information on production requirements and formats with the job brief
- planning and organising activities by planning the sequence of operations to facilitate smooth processing of the job
- teamwork when maintaining the production process in association with others
- mathematical ideas and techniques by calculating screens and dots and colour profiles
- problem-solving skills by using different types of output (dot shape, screens) to best satisfy requirements of the job brief
- use of technology by using equipment correctly to ensure ease of subsequent processing

Required knowledge

- effect the selection of printing process has on the output settings for final films
- methods/procedures that are available for calibrating an output device
- consequences of incorrect calibration
- corrective action when a file does not transfer correctly
- main points to be checked before sending a job to the RIP
- relationship to screen ruling and the selection of image resolution
- conditions that would cause a variation from conventional screen angles
- checks when preparing a job for OPI
- consequences for image quality if OPI files are not placed in their correct folders
- function of the low resolution file in the OPI process
- main factors that influence the processing speed of a job when being RIPped
- increasing the RIPping speed of a job
- setting changes that must be made to the output device when outputting a stochastic screen
- factors that influence the selection of the micron rating of the screen
- main types of file formats and the effects the selection of a format has on the processing of a job
- manuals, safety and other documentation that are relevant to this task and where are they kept and information that is included in these documents

Evidence Guide

EVIDENCE GUIDE	
The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of the ability to: • final image must meet job specifications and appropriate colour profiles are applied as required • demonstrate an ability to find and use information relevant to the task from a variety of information sources • output TWO complex images.
Context of and specific resources for assessment	Assessment must ensure: • assessment may take place on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.
Method of assessment	A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit: • direct questioning combined with review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.	
Output may include:	• image setters.
Input may include:	• files from a variety of software sources and platforms.
Complexity may include:	• complex refers to intricate and detailed design (line and tones) and may include difficult vignettes, tone separations, colour reproductions.
Quality standards may include:	• should meet client requirements and enterprise and industry standards.

Unit Sector(s)

Unit sector	

Competency field

Competency field	Pre-press

Co-requisite units

Co-requisite units		

Innovation and Business Skills Australia