

	External Assessment Specifications Document			
Curriculum Code	Qualification Title	NQF Level		
662101004	Occupational Certificate: Electronic Pre-press Screen Technician	4		
	Name	Email	Phone	Logo
Assessment Quality Partner	National Artisan Moderation Body (NAMB)	Louw.N@dhet.gov.za	011 206 1015	 higher education & training Department: Higher Education and Training REPUBLIC OF SOUTH AFRICA

DQP Representative Signature

Date

AQP Representative Signature

Date

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1 ASSESSMENT STRATEGY

1.1 Assessment Model

An external integrated summative assessment, conducted through the relevant QCTO Assessment Quality partner is required for the issuing of this qualification. The external integrated summative assessment will focus on the exit level outcomes and associated assessment criteria. The external summative assessment will be a trade test as prescribed under Section 26d of the Skills Development Act and defined in the trade test regulations conducted through an evaluation of practical tasks and theoretical questions at an assessment centre accredited by the QCTO and conducted by an assessor registered by NAMB. The assessment will take place over a minimum of 2 days. No recognition will be granted to candidates for those trade test tasks in which they were found competent, if not all tasks were passed and the candidate will be re-tested on all trade test categories in all trade test attempts.

1.2 Qualification Purpose

The purpose of this qualification is to prepare a learner to operate as an/a Electronic Pre-press Screen Technician

An/A Electronic Pre-press Screen Technician An Electronic Pre-press Screen Technician interrogates and pre-flights pre-press media, creates print layouts and impositions, prepares contract proofs and sets- up, operates and maintains equipment to produce an image carrier in order to enable print. The final product produced by this technician is a screen that is ready to be used on a printing press.

A qualified learner will be able to:

- Evaluate and pre-flight pre-press media for screen printing
- Use computer applications to create print layouts and impositions for screen printing
- Prepare contract proofs for screen printing
- Produce image carriers for screen printing

1.3 Assessment Standards

1.3.1 Assessment Standards for the Qualification

Integrated Assessment Focus Area 1

Receive and identify files (5%)

Associated Assessment Criteria

- Work ticket is interpreted correctly
- The appropriateness of the files received is determined
- File formats are identified correctly and files are named and saved to specific location

Integrated Assessment Focus Area 2

Evaluate and perform pre-flight checks on pre-press media for screen printing (NQF Level 4) (20%)

Associated Assessment Criteria

- Analysis of pre-flight report indicates that all the relevant pre-flight parameters are interpreted and checked

- Pre-flight warnings and errors are correctly addressed
- Accurate print-ready files are created using appropriate applications correctly
- The tasks are completed within specified time
- No equipment is damaged
- An understanding of the evaluation and pre-flight checking of pre-press media is demonstrated

Integrated Assessment Focus Area 3

Create print layouts and impositions for screen printing (NQF Level 4) (25%)

Associated Assessment Criteria

- Imposition templates are created and components for specific press and post press operations are added
- Imposition schemes that meet print, post- press, process and customer requirements are created
- Pages/files are correctly submitted to an automated imposition system or correctly assigned and orientated to a manual imposition system
- Print layouts are created using layout software and artwork is assigned to correct scheme
- Die-line is created according to tooling requirement and artwork is placed correctly and corrected to print specifications, where applicable
- Distortion is applied correctly
- Output file is created using the correct techniques
- The tasks are completed within specified time
- No equipment is damaged
- An understanding of creating print layouts and impositions for screen printing is demonstrated

Integrated Assessment Focus Area 4

Prepare contract proofs for screen printing (NQF Level 4) (10%)

Associated Assessment Criteria

- Pre-press proofing devices are maintained and calibrated
- Soft and hard proofs are produced according to appropriate industry standards
- Quality assurance tests/checks are carried out correctly and printed result is evaluated and submitted to customer for approval
- The tasks are completed within specified time
- No equipment is damaged
- An understanding of preparing contract proofs for screen printing is demonstrated

Integrated Assessment Focus Area 5

Produce image carriers for screen printing (40%)

Associated Assessment Criteria

- Files are submitted to the RIP and according to job specifications
- Screen is produced using the appropriate screen-king procedures
- Image carrier production queue is managed correctly
- Quality assurance processes are performed correctly and at the appropriate times
- Materials used for making screen are handled, cared for and stored as per product specifications
- Screen-making equipment is maintained and cleaned according to schedules
- Screen-making equipment is calibrated using appropriate techniques
- All relevant safety precautions are adhered to
- The tasks are completed within specified time
- No equipment and materials are damaged
- An understanding of the screen-making is demonstrated

1.3.2 Assessment Standards for Phases

None

1.3.3 Assessment Standards for Part Qualifications

Part Qualification 1: Screen Printer

Integrated Assessment Focus Area 5: Produce image carriers for screen printing (NQF Level 3)

2 ASSIGNMENTS TO BE EVALUATED EXTERNALLY

None

3 CRITICAL ASPECTS OF THE INTERNAL ASSESSMENTS TO BE ASSESSED EXTERNALLY

- None

4 CRITERIA FOR THE REGISTRATION OF ASSESSORS

- Be registered as a practicing artisan in the specific trade
- Must have at least 3 yearsâ□□ relevant industry experience working as a qualified artisan in the specific trade
- Must have at least 2 yearsâ□□ relevant practical training experience in the specific trade
- Must be trained as an artisan trade assessor and deemed competent to conduct trade tests or be recognised by the NAMB as a competent assessor to conduct trade tests through RPL based method on a previous assessor qualification and/or experience

- Must be employed by an artisan trade test centre accredited by the QCTO to conduct trade tests or a centre applying to be accredited

5 FOUNDATIONAL LEARNING

Applicable for the qualification and the part-qualification

6 ELIGIBILITY REQUIREMENTS FOR THE EXTERNAL ASSESSMENT

In order to qualify for the external summative assessment learners must have a copy of a completed and signed Statement of Work Experience as well as proof of successful completion of the following subjects and modules or alternative programmes where applicable.

6.1 Qualification

<i>Proof of Knowledge Modules</i>				<i>OR</i>	<i>Proof of Alternative Programmes</i>			
<i>Number</i>	<i>Title</i>	<i>NQF Level</i>	<i>Credits</i>		<i>Number</i>	<i>Title</i>	<i>NQF Level</i>	<i>Credits</i>
662101004-KM-01	Introduction to the printing and packaging industry	3	4					
662101004-KM-02	Legal and regulatory requirements	3	15					
662101004-KM-03	Printing science and chemistry	3	7					
662101004-KM-04	Quality studies in the printing and packaging industry	4	4					
662101004-KM-05	Productivity and economics	3	11					
662101004-KM-06	Workplace fundamentals	3	7					
662101004-KM-07	Receiving digital data and file preparation in a screen printing environment	4	13					
662101004-KM-08	Pre-flighting preparation in a screen printing	4	15					

	environment							
662101004-KM-09	Preparation of contract proofs in a screen printing environment	4	13					
662101004-KM-10	Creating print layouts and impositions in a screen printing environment	3	13					
662101004-KM-11	Image carriers for screen printing	3	8					

	<i>Proof of Practical Skill Modules</i>			<i>OR</i>			<i>Proof of Alternative Programmes</i>	
<i>Number</i>	<i>Title</i>	<i>NQF Level</i>	<i>Credits</i>		<i>Number</i>	<i>Title</i>	<i>NQF Level</i>	<i>Credits</i>
662101004-PM-01	Receive and pre-flight digital data in a screen printing environment	4	32					
662101004-PM-02	Create impositions and layouts as per print and print finishing requirements in a screen printing environment	4	50					
662101004-PM-03	Prepare contract proofs for printing in a screen printing	4	32					

	environment							
662101004-PM-04	Produce screens for screen printing	3	48					
662101004-PM-05	Comply with safety, health and environmental protection best practices and procedures for a printing environment	2	4					
662101004-PM-06	Supervise a team in a screen printing environment	4	6					

And

Statement of Work experience

6.2 Phase 1

No Phase Tests applicable

6.3 Part Qualification

Part Qualification 1:

Title:

Electronic Pre-press Screen-maker, NQF Level 3, Credits 108

Purpose:

The purpose of this part qualification is to prepare a learner to operate as a Screen Maker within the printing environment. A Screen Maker produces screen used in printing.

Applicable Modules (Rules of Combination)

Knowledge Modules:

- 662101004-KM-01, Introduction to the printing and packaging industry, NQF Level 3, Credits 4
- 662101004-KM-11, Image carriers for screen printing, NQF Level 3, Credits 8

Total number of credits for Knowledge Modules: 12

Practical Skill Modules:

- 662101004-PM-04, Produce screens for screen printing, NQF Level 3, Credits 48

- 662101004-PM-05, Comply with safety, health and environmental protection best practices and procedures for a printing environment, NQF Level 2, Credits 4

Total number of credits for Practical Skill Modules: 52

This qualification also requires the following Work Experience Modules:

- 662101004-WM-06, Processes to produce screens for screen printing, NQF Level 3, Credits 44

Total number of credits for Work Experience Modules: 44

Assessment Qualification Standards:

- Produce image carriers for screen printing (40%)