

	<b>External Assessment Specifications Document</b>			
<b>Curriculum Code</b>	<b>Qualification Title</b>	<b>NQF Level</b>		
662101001	<b>Occupational Certificate: Electronic Pre-press Lithographic Technician</b>	4		
	<b>Name</b>	<b>Email</b>	<b>Phone</b>	<b>Logo</b>
<b>Assessment Quality Partner</b>	<b>National Artisan Moderation Body (NAMB)</b>	Louw.N@dhet.gov.za	011 206 1015	 <b>higher education &amp; training</b> Department: Higher Education and Training REPUBLIC OF SOUTH AFRICA

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**DQP Representative Signature**

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**Date**

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**AQP Representative Signature**

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**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 Lithographic Technician

An/A Electronic Pre-press Lithographic Technician An Electronic Pre-press Lithographic 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 lithographic plate 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 lithographic printing
- Use computer applications to create print layouts and impositions for lithographic printing
- Prepare contract proofs for lithographic printing
- Produce image carriers for lithographic printing

## 1.3 Assessment Standards

### 1.3.1 Assessment Standards for the Qualification

#### **Integrated Assessment Focus Area 1**

Receive and identify files (NQF Level 4) (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 lithographic 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 lithographic 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
- â□ç Output file is created using the correct techniques
- â□ç The tasks are completed within specified time
- â□ç No equipment is damaged
- â□ç An understanding of creating print layouts and impositions for lithographic printing is demonstrated

### **Integrated Assessment Focus Area 4**

Prepare contract proofs for lithographic 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 lithographic printing is demonstrated

### **Integrated Assessment Focus Area 5**

Produce image carriers for lithographic printing (NQF Level 3) (40%)

### **Associated Assessment Criteria**

- Files are submitted to the RIP and according to job specifications
- Lithographic plate is produced using the appropriate plate-making procedures
- Image carrier production queue is managed correctly
- Quality assurance processes are performed correctly and at the appropriate times
- Materials used for making lithographic plates are handled, cared for and stored as per product specifications
- Plate-making equipment is maintained and cleaned according to schedules
- Lithographic 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 lithographic plate-making procedure is demonstrated

### **1.3.2 Assessment Standards for Phases**

None

### **1.3.3 Assessment Standards for Part Qualifications**

Part Qualification 1: Electronic Pre-press Lithographic Plate-maker

Integrated Assessment Focus Area 5: Produce image carriers for lithographic 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>
662101001-KM-01	Introduction to the printing and packaging industry	3	4					
662101001-KM-02	Legal and regulatory requirements	3	15					
662101001-KM-03	Printing science and chemistry	3	7					
662101001-KM-04	Quality studies in the printing and packaging industry	4	4					
662101001-KM-05	Productivity and economics	3	11					
662101001-KM-06	Workplace fundamentals	3	7					
662101001-KM-07	Receiving digital data and file preparation in a lithography environment	4	13					
662101001-KM-08	Pre-flighting in a lithography environment	4	15					

662101001-KM-09	Preparation of contract proofs in a lithography environment	4	13					
662101001-KM-10	Creating print layouts and impositions in a lithography environment	4	13					
662101001-KM-11	Image carriers in lithography	3	8					

	<b><i>Proof of Practical Skill Modules</i></b>			<b><i>OR</i></b>			<b><i>Proof of Alternative Programmes</i></b>	
<b><i>Number</i></b>	<b><i>Title</i></b>	<b><i>NQF Level</i></b>	<b><i>Credits</i></b>		<b><i>Number</i></b>	<b><i>Title</i></b>	<b><i>NQF Level</i></b>	<b><i>Credits</i></b>
662101001-PM-01	Receive and pre-flight digital data in a lithography environment	4	32					
662101001-PM-02	Create impositions and layouts as per print and print finishing requirements in a lithography environment	4	54					
662101001-PM-03	Prepare contract proofs for printing in a lithography environment	4	32					
662101001-PM-04	Produce lithographic printing plates	3	48					



662101001-PM-05	Comply with safety, health and environmental protection best practices and procedures for a printing environment	2	4					
662101001-PM-06	Supervise a team in a lithography 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 Lithographic Plate Maker, NQF Level 3, Credits 108

**Purpose:**

The purpose of this part qualification is to prepare a learner to operate as an Electronic Pre-press Lithographic Plate-maker within the printing environment. A Lithography Plate-maker produces lithographic plates used in lithographic printing.

**Applicable Modules (Rules of Combination)**

Knowledge Modules:

- 662101001-KM-01, Introduction to the printing and packaging industry, NQF Level 3, Credits 4
- 662101001-KM-11, Image carriers in lithography, NQF Level 3, Credits 8

Total number of credits for Knowledge Modules: 12

Practical Skill Modules:

- 662101001-PM-04, Produce lithographic printing plates, NQF Level 3, Credits 48
- 662101001-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:

- 662101001-WM-06, Processes to produce lithographic printing plates, NQF Level 3, Credits 44

Total number of credits for Work Experience Modules: 44

Assessment Qualification Standards:

- Produce image carriers for lithographic printing (NQF Level 3) (40%)