



POLICY STATEMENT R2/1J

Acceptable Work for Registration as a Registered Lifting Machinery Inspector (RegLMI)

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E C S A

ENGINEERING COUNCIL OF SOUTH AFRICA

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Purpose of Policy Statement R 2/1J

This Policy Statement describes the education and development required by the Council for registration as a Registered Lifting Machinery Inspector.

1. INTRODUCTION

1.1 Specified Category – Registered Lifting Machinery Inspector

Registered Lifting Machinery Inspectors are registered in terms of the Engineering Profession Act, 2000 (Act 46 of 2000), (the Act).

For purposes of this document "Council" means the Engineering Council of South Africa established in terms of the Act, or any committee duly authorized by the Council to fulfill certain functions on behalf of the Council.

1.2 ECSA registration as a Registered Lifting Machinery Inspector

- (a) Registered Lifting Machinery Inspectors are people who conduct inspections of lifting machinery as defined in the Driven Machinery Regulations of the Occupational Health and Safety Act (Act No 85 of 1993).
- (b) Registration is a commitment to subscribe to the standards set by ECSA and to work within the ECSA Code of Conduct.
- (c) It is proof of competency in terms of the standards of a Registered Lifting Machinery Inspector, through peer judgment.
- (d) Registration with ECSA is subject to periodic review and renewal in terms of ECSA's requirements for Continuing Education and Training of registered persons. Such review and renewal takes place every five years in conjunction with the practitioner's training qualification renewal cycle and in terms of ECSA's Policy requirements.

These features contribute to the protection of the public with respect to the work of a Registered Lifting Machinery Inspector and lend confidence in appointing such a person to carry out lifting machinery inspections.

2. REGISTRATION REQUIREMENTS AS A LIFTING MACHINERY INSPECTOR

ECSA will consider an applicant for registration as a Registered Lifting Machinery Inspector if the person:

- (a) Has five years experience in the lifting machinery industry of which two years is in **inspection and load testing** lifting machinery, under the necessary supervision, and
- (b) Demonstrates evidence against the following outcomes:

Qualifications

(Stage 1 Standards)

As described in the “**Certificate in Lifting Machinery Inspection**”, NQF level 5:

- *Communicate in the workplace*
- *Compile and maintain work schedules*
- *Apply engineering skills to the workplace*
- *Comply with relevant legislation in the workplace*
- *Inspect and load test lifting machinery and equipment*

Experience

(Stage 2 Standards)

Registered Lifting Machinery Inspector requirements:

- Understand and judge the specifically-defined LMI activity:
Identify and/or interpret the activity agreeing on a problem statement. Gather and evaluate information. Analyse information and express solution requirements.
- Design or develop a solution to solve the specifically-defined LMI problem: Synthesise alternative ways to do the activity. Apply underpinning Stage 1 knowledge to develop and evaluate the best approach seeking advice if necessary.
- Comprehend and apply underpinning specifically-defined LMI knowledge:
Display mastery of Stage I development by applying underpinning knowledge in doing practical LMI work.
- Manage part or all of the specifically-defined LMI activity:
Manage self, people, work priorities, work processes and resources and participate in teams during practical LMI activities.
- Communicate clearly with others during the specifically-defined LMI activity:
Write clear, concise, effective, technically correct reports, read technical items, receive and interpret instructions. Issue clear instructions and present point of view effectively.
- Recognise social, cultural and environmental effects of the specifically-defined LMI activity: Identify interested and affected parties and environmental impacts of LMI activities. Propose mitigating measures and communicate with stakeholders.
- Comply with LMI legal, regulatory & health and safety requirements:
Identify applicable legal, regulatory and health and safety requirements. Select safe and sustainable materials, components and systems. Apply risk management.
- Conduct specifically-defined LMI activities ethically:
Conduct activities ethically at least complying with ECSA's Code of Conduct. Adopt a systematic approach in resolving ethical issues.
- Exercise sound judgement carrying out specifically-defined LMI activities:

Consider applicable factors and their relation. Foresee consequences of actions and evaluate the situation in absence of full evidence. Draw on experience and underpinning knowledge.

- Be responsible for decision making during specifically-defined LMI activities: Demonstrate a professional approach showing due regard for the effect of the LMI activity. Seek advice from a responsible authority and take responsibility for own work.
- Undertake LMI learning activities to extend competence: Plan own development strategy and select appropriate development activities. Keep record of development and complete development activities. Display independent learning ability.

3. SIGNIFICANCE OF REGISTRATION AS A LIFTING MACHINERY INSPECTOR

Registration as a Lifting Machinery Inspector has the following significance:

- (a) It is the recognition by peers (Registered Lifting Machinery Inspectors) of a applicant's competence in the lifting industry.
- (b) It is the acknowledgement of the applicant's intention to conduct lifting machinery inspections in accordance with legislation.
- (c) It is an undertaking to subscribe to the ECSA Code of Conduct.
- (d) It contributes to the protection of the public with respect to the inspection of lifting machinery and the assurance of availability of competent lifting machinery inspectors.

4. CONTINUING PROFESSIONAL DEVELOPMENT

CPD can be defined as “the systematic maintenance, improvement and broadening of knowledge and skills, and the development of personal qualities necessary for the execution of professional and technical duties throughout an engineer's career”.

The principle to undertake CPD is included in the Engineering Profession Act, 2000 (Act 46 of 2000). At the time of registration, Registered Non Destructive Testers will be assessed as having the necessary competence to enable him/her to practice safely and effectively in their discipline of engineering. At set intervals the Registered Non Destructive Tester will be required to provide evidence of CPD undertaken during their period of post registration and indicate how they intend to meet their obligations to CPD during their careers.

Engineering practitioners are obliged by the Code of Professional Conduct to undertake CPD, the nature, range and extend of what is required varies with the work to be undertaken. Registered engineering practitioners are required, at all times, to take all reasonable steps to maintain and develop their competence and knowledge in their field of activity. Moreover, they must not under any circumstances accept or undertake work which they do not have sufficient competence, time or authority to perform, unless the necessary advice, assistance or authority is obtained.

Any combination of the activities listed below will constitute CPD:

- (i) Attending courses, seminars, congresses and technical meetings organised by Engineering Institutions/Institutes, universities, other professional bodies and course providers.
- (ii) Actively participating in conferences, serving on technical or professional committees and working groups.
- (iii) Undertaking structured self-study (i.e. using textbooks with examples).
- (iv) Studying technical literature (e.g. journals, magazines).
- (v) Taking correspondence courses and studying other supervised study packages.
- (vi) Taking in-house courses provided by employers.
- (vii) Enrolling for formal post-graduate studies (limited credits).
- (viii) Writing technical papers or presenting lectures at an organised event.

5. APPLICATION DOCUMENTATION

Applications for registration must be made using the application form as prescribed by Council.

Application forms must be completed and a record of learning submitted in accordance with the instructions provided in the forms. An adequately compiled record of learning, kept up to date with ones learning, contains the evidence necessary to submit an application for registration when the required standard is reached.

Failure to comply with the instructions is likely to result in a deficient application and may prejudice the success of the application. It may also result in a delay in processing the application because an application will not be considered unless complete.

The following should be included in the record of learning to demonstrate that the outcomes in clause 3 are achieved:

- Certified copies of qualifications or courses
- Work Schedule Report
- Experience Reports
- Inspection and Load Test Reports for each sub-category of applicable lifting machine
- Referee Reports

Application Forms are available from www.ecsa.co.za.