## SOUTH AFRICAN COUNCIL FOR LANDSCAPE ARCHITECTURAL PROFESSION

**FOR IMPLEMENTATION - Weighted Core Competency Table for the Landscape Management Profession**
Gazetted on 4 November 2016: Board Notice 171 in Gazette 40402

In terms of the Landscape Architectural Profession Act, Act 45 of 2000 Section 19 (2)(a)(i), SACLAP herewith determines the competence relating to the relevant landscape architectural categories of registration

| Proposed minimum weighting | DEFINITIONS |
|---|---|
| 9 | **PROFICIENT:** (practice orientated) An ability to demonstrate project based application of specialist knowledge, critically engaging with current research and or practices in doing so. To, within specific study fields, demonstrate the ability to apply appropriate methods and processes in unique real life project scenarios. To be proficient in management, design and supervision of project implementation in practice. |
| 7 | **COMPETENT:** (field specific competence) Demonstrate knowledge of and project based engagement in an area at the forefront of a field, discipline and practice; relating that knowledge to a particular context. Selecting and applying appropriate procedures, processes and techniques to unique landscape related challenges within a specialized field of practice. |
| 5 | **KNOWLEDGE AND UNDERSTANDING**: (integrated knowledge) the assimilation and comprehension of knowledge. Individuals should be able to understand, apply and evaluate the key terms, concepts, facts, principles, rules and theories within the working environment. The ability to select and apply a range of methods to resolve realistic landscape related problems in practice. |
| 3 | **KNOWLEDGABLE:** (to be acquainted with) To demonstrate *detailed* knowledge of one or more fields, disciplines or practices including the ability to apply appropriate methods, procedures and techniques within a defined context. |
| 1 | **INFORMED AWARENESS:** To be sufficiently informed on matters pertaining to the profession i.e. demonstrate a basic knowledge. Aided through experiential training and or industry related methods of learning. |

| | Core Competencies | Professional Landscape Manager | | Category name to be determined | | Professional LandscapeTechnologist | | Professional Landscape Technician | |
|---|---|---|---|---|---|---|---|---|---|
| | | NQF 9 | | NQF 8 | | NQF 7 | | NQF 6 | |
| | | Competency upon registration | Competency upon graduation | Competency upon registration | Competency upon graduation | Competency upon registration | Competency upon graduation | Competency upon registration | Competency upon graduation |
| 1 | **Professional Practice** | | | | | | | | |
| 1.1 | **Professional Practice** | 7 | 3 | 7 | 3 | 5 | 1 | 3 | 1 |
| | Knowledge of insurances and legal requirements | | | | | | | | |
| | Knowledge of all SACLAP related matters such as: Continued Professional Development (CPD), Disciplinary Processes, Code of Conduct, role of Voluntary Associations. | | | | | | | | |
| | Knowledge regarding Mediation and Arbitration Processes | | | | | | | | |
| 1.2 | **Office Management** | 5 | 1 | 3 | 1 | 3 | 1 | 1 | 1 |
| | Cash flow, methods of payment, disbursement charges resourcing and staff allocation, marketing | | | | | | | | |
| 1.3 | **Office Administration** | 5 | 1 | 3 | 1 | 3 | 1 | 1 | 1 |
| | Filing, project administration,timesheets, communication skills. | | | | | | | | |
| 1.4 | **Human Resourcing & Financial management** | 7 | 3 | 7 | 3 | 5 | 1 | 1 | 1 |
| | Budgeting, resourcing,skills transfers | | | | | | | | |
| 1.5 | **Communication Skills** | 7 | 5 | 5 | 5 | 3 | 3 | 3 | 3 |
| | Report writing, presentation techniques, photography, computer literacy | | | | | | | | |
| 1.6 | **Research** | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 |
| | The ability to research the apsects required to realise a project | | | | | | | | |
| 1.7 | **Ethics and Values** | 7 | 3 | 7 | 3 | 7 | 3 | 3 | 3 |
| 1.8 | **Government Legislation, Regulations, Policies & Guidelines** | 5 | 3 | 3 | 3 | 3 | 1 | 1 | 1 |
| | Pertains particularly to the practice related aspects such as: Occupational Health and Safety, Municipal Finance Management Act, CIDB, Labour, POPI, PAJA, PAIA, WC act etc. | | | | | | | | |
| 2 | **Landscape Design** | | | | | | | | |
| 2.1 | **Landscape Master Planning/Design Framework** | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| | Site survey, site analysis, site evaluation, recommendations, reports and guidelines | | | | | | | | |
| 2.2 | **LandscapePlanning Theories and Methodologies** | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| | Landscape architecture history, theory and critique | | | | | | | | |
| | Landscape design theory eg. Sustainable design, green building, ecological responsive design etc. | | | | | | | | |
| | Construction history, theory and critique | | | | | | | | |
| | Cultural landscapes | | | | | | | | |
| 2.3 | **Landscape Design** | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| | Landscape levels,drainage design and stormwater management | | | | | | | | |
| | Landscape Design: interpretation of brief, collation of data, ecological and site responsive design, services and relevant integration of design information, evaluation of data, design proposals and presentations, plan approval and local authority requirements, advise on other professional involvement | | | | | | | | |
| | Plant design i.e. aesthetical, functional and ecological considerations | | | | | | | | |
| 2.4 | **Working drawings & Documentation associated with Landscape design** | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 |
| | Hard and Soft Landscape Detail Construction drawings, grading plans, planting plans, irrigation design inputs, specifications, bills of quantities, writing landscape maintenance specification | | | | | | | | |
| 2.5 | **Cost Estimation of Landscape Design** | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 |
| | Cost estimation, project budget confirmation, Quantification and measuring ,material and labour rates. | | | | | | | | |
| 3 | **Environmental Planning & Management Processes** | | | | | | | | |
| 3.1 | **Environmental Management & compliance issues** | 7 | 3 | 5 | 3 | 3 | 3 | 1 | 1 |
| | Implementation of environmental management plans and compliance monitoring | | | | | | | | |
| 3.2 | **Environmental Planning** | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 |
| | Integrated environmental management, applciation of sustainable planning principles | | | | | | | | |
| | Understanding the implications of the listed activities as set out in Environmental Legislation on a project level and responding in the appropriate manner i.e. identifying if formal process is required | | | | | | | | |
| 3.3 | **Rehabilitation** | 5 | 3 | 5 | 3 | 3 | 3 | 1 | 1 |
| | Aspects of rehabilitation associated with the change in the landforms, appropriate soil preparation, erosion protection, planting, etc. | | | | | | | | |
| 3.4 | **Government Legislation, Regulations, Policies & Guidelines** | 5 | 3 | 5 | 3 | 3 | 3 | 1 | 1 |
| | Pertains particularly to the Environmental related aspects at National, Provincial and Local level. e.g. biodiversity, protect areas, protected trees, alien vegetation, NEMA, Water Act etc. | | | | | | | | |
| 3.5 | **Natural Sensitive Habitat management** | 5 | 3 | 5 | 3 | 3 | 3 | 1 | 1 |
| | Ecological systems, how they function, management of flora and fauna, legislative requirements that are to be met, maintenance of such areas e.g. wetlands, fynbos | | | | | | | | |
| 3.6 | **Alien vegetation control** | 5 | 5 | 5 | 3 | 3 | 3 | 1 | 1 |
| | Chemical/non chemical management of vegetation, methods of application, cost estimation of vegetation control, nomenclature | | | | | | | | |
| 4 | **Landscape Project Management & Landscape Construction** | | | | | | | | |
| 4.1 | **Project Management** | 7 | 5 | 5 | 5 | 3 | 3 | 3 | 3 |
| | Co-ordinate of role players, meetings and procedures. Co-ordination, integration and dissemination of project information. | | | | | | | | |
| 4.2 | **Construction Contract Management** | 9 | 7 | 7 | 5 | 3 | 3 | 3 | 1 |
| | Co-ordinate of sub contractors, meetings and procedures. Co-ordination, integration, management and dissemination of project implementation information. | | | | | | | | |
| | Understanding of complexity, context and difficulty, interface with other contractors, access, storage & staging points | | | | | | | | |
| | Interface with other contractors, dependencies, sequencing of work, penalties and delays, notification of delays | | | | | | | | |

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| 4.3 | **Construction Contract Implementation** | 9 | 7 | 7 | 5 | 3 | 3 | 3 | 1 |
| | Elevations, slopes and falls, co-ordinates, datum points, setting out points, dimensions, distances and proportion | | | | | | | | |
| | Supplier management and control, size, type and sequencing of deliveries, commercial arrangements and proportions | | | | | | | | |
| | Understanding specifications, aesthetic interpretation, accuracy of installation | | | | | | | | |
| 4.4 | **Construction Contract Administration** | 9 | 7 | 7 | 5 | 3 | 3 | 3 | 1 |
| | Costing, rate calculation, work measurement, preparation of monthly claim, interaction with cost controller for valuation and certification of landscape work | | | | | | | | |
| | Qulity assurance in relation to specifications, testing of components and /materials, samples, site house keeping | | | | | | | | |
| | Format & frequency, reporting and feedback | | | | | | | | |
| | Including the Preparation and submission of tender/quotation processes but not limited to, returnables schedule, pricing review, evaluation criteria, insurances, compliance issues | | | | | | | | |
| | Appointment letter, contract document familiarisation, forms of contract and implications | | | | | | | | |
| | | | | | | | | | |
| 5 | **Applied Horticulture/Landscape Technology** | | | | | | | | |
| 5.1 | **Plant knowledge** | 9 | 7 | 7 | 5 | 5 | 5 | 5 | 3 |
| | Nomenclature, characteristics, uses and requirements | | | | | | | | |
| 5.2 | **Plant propagation** | 7 | 7 | 7 | 5 | 5 | 5 | 3 | 3 |
| | Nursery management: set up on site, propagation methods, propagation mediums, fertilizing, maintenance, pest and disease control | | | | | | | | |
| 5.3 | **Arboriculture** | 7 | 7 | 5 | 3 | 3 | 3 | 3 | 1 |
| | Tree planting methods, appropriate pruning, root treatment, tree surgery, pests & disease identification and treatment, tree removal practises | | | | | | | | |
| 5.4 | **Soil knowledge** | 7 | 5 | 7 | 5 | 5 | 3 | 3 | 3 |
| | Classification (interpretation), fertilisation, handling and placing, cultivation, mulching, growth | | | | | | | | |
| | Flow of water, infiltration, porosity, watering requirements | | | | | | | | |
| 5.5 | **Turf grass management** | 7 | 5 | 7 | 5 | 5 | 3 | 3 | 1 |
| | Sport field, construction, maintenance, preparation of fields | | | | | | | | |
| 5.6 | **Irrigation** | 7 | 7 | 5 | 5 | 5 | 3 | 3 | 1 |
| | Water quality - interpretation of lab results, mitigation measures, etc | | | | | | | | |
| | Design of systems, working drawings and estimates of quantities and costs, installation and maintenance | | | | | | | | |
| | Determination of watering requirements, implementing water-wise principles | | | | | | | | |
| 5.7 | **Landscape equipment/mechanisation** | 9 | 7 | 7 | 5 | 5 | 3 | 5 | 3 |
| | Understanding equipment capacity/specifications/suitability/calibration | | | | | | | | |
| 5.8 | **Landscape installation practice** | 9 | 7 | 7 | 5 | 5 | 3 | 5 | 3 |
| | Plant handling & installation | | | | | | | | |
| | Skill in the use and suitability of materials: paving , concrete, street furniture etc. | | | | | | | | |
| 5.9 | **Landscape maintenance practice** | 9 | 7 | 9 | 7 | 7 | 5 | 5 | 3 |
| | Plant growth, water requirements | | | | | | | | |
| | Pest and disease control | | | | | | | | |
| | Best practice principles | | | | | | | | |