

- ISO 14001 (Environmental Management Standard)
- Electricity Act No.4 of 2007
- SANS 10142-1 and SANS 10142-2 electrical wiring codes and all subsequent amendments to any of the above.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Plan and prepare for work

Performance Criteria

- 1.1 Work instructions, including plans, specifications, job cards, quality requirements and operational details are obtained, confirmed and interpreted.
- 1.2 Safety requirements are followed in line with safety plans and policies.
- 1.3 Tools and equipment selected to carry out tasks are consistent with job requirements, checked for serviceability, and any faults are rectified or reported prior to commencement.
- 1.4 Material quantity requirements are calculated in line with plans, specifications and quality requirements.

Element 2: Design electrical installation

Performance Criteria

- 2.1 Main distribution board and sub-distribution board sizes are calculated in line with the job requirements.
- 2.2 Maximum load current for an installation is calculated.
- 2.3 Main distribution board, sub-distribution boards and distribution panels are selected according to organisational procedures.
- 2.4 Main distribution board, sub-distribution boards and distribution panels are positioned at logical locations according to the task and organisational procedures.

- 2.5 Cable enclosures carry the recommended cables according to manufacturers' specifications.
- 2.6 Control units, socket outlets and switches are positioned at logical locations according to task and organisational procedures.

Element 3: Clean-up work area

Performance Criteria

- 3.1 Work area is cleared, cleaned, restored and secured in line with workplace procedures.
- 3.2 Tools and equipment are cleaned, checked and stored in line with manufacturer specifications and workplace procedures.
- 3.3 Materials and wastes are disposed of, reused, or recycled in accordance with legislation, regulations, codes of practice and job specifications.

Registration Data

Subfield:	Electrical Engineering
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