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Elements and Performance Criteria

Element 1: Design and structure a circuit

Range

Designing and structuring of circuit include but not limited to outlining the objective of the circuit, type of drawing to be used, rating (safety and functionality of circuit)

Planning may include but not limited to collecting of components, tools and appropriate personal protective equipment and preparing of the work area

Performance Criteria

- 1.1 Job instruction is interpreted and a sequence of operation is determined
- 1.2 Drawing aids and layout specifications are employed and illustrated
- 1.3 Components to be used are defined and listed as per job instruction
- 1.4 Job instruction is formulated

Element 2: Assemble and test circuit

Range

Assembling may include but not limited to arranging of components and constructing the circuit

Performance Criteria

- 2.2 Equipment including personal protective equipment are selected, inspected and checked for functionality and safety prior to commencement.
- 2.3 Safety procedures related to job requirements and work site procedures are obtained.
- 2.4 Appropriate tools are identified and selected to meet the requirements of the task according to statutory requirements
- 2.5 components layout is arranged as per design
- 2.6 components is assembled as per design
- 2.7 Circuit performance/functionality is assessed and evaluated to meet the job instruction

Registration Data

Subfield:	Electrical engineering
Date first registered:	

Date this version registered:	
Anticipated review:	
Body responsible for review:	Namibia Training Authority