

Solar Photovoltaic Installation Tester Training Specification					
File Ref	TRAINING SPECIFICATION				
Creation Date	14/11/2019				
Doc No. & Version	2019 VERSION		M Poee		

SP-250305 Solar Photovoltaic Installation Tester Training Specification : CURRICULUM CODE 900279-000-00-00

ACCREDITATION: QCTO

The purpose of this skills programme is to prepare a learner to operate as a Solar Photovoltaic Installation Tester.

A Solar PV Installation Tester conducts electrical inspection of an industrial/commercial/residential solar photovoltaic installations, maintains, safely tests all aspects of solar photovoltaic system under supervision, diagnoses, conducts system performance evaluation, identifies, troubleshoots and records faults, maintains the PV system for optimal performance in accordance with the applicable statutory requirements, safety protocols, and standards operating procedures.

TASK

Task 01: Conduct inspections and evaluate the functionality of the installed solar photovoltaic system

Task 02: Maintain, test and replace inverters and transformers, NQF Level

Task 03: Interpret test results and rectifies the solar photovoltaic systems for performance optimisation,

Task 04: Test and troubleshoot faults on solar photovoltaic systems under supervision,

Occupational Task Details

Plan, prepare for, and execute activities pertaining to solar photovoltaic system testing,

Maintain, test, diagnose, repair and/or replace solar photovoltaic system components,

Interpret test results and rectifies the solar photovoltaic systems for performance optimisation,

Test and troubleshoot faults on solar photovoltaic system under supervision,

Requirements:

- Physical Requirements:

SKILLS DEVELOPMENT PROVIDER (SDP)

EQUIPMENT & TOOLS

Standard facilities for classroom training, learning materials, facilitation aids, media, Whiteboard, Flipchart Stand and Projector Screen

Learning Management System (LMS) and Learning Management Information System (LMIS)

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- Human Resource Requirements:

SKILLS DEVELOPMENT PROVIDER (SDP) QUALIFICATIONS & EXPERIENCE:

NQF Level 4 qualification with communication.

- Legal Requirements:

SKILLS DEVELOPMENT PROVIDER (SDP) QUALIFICATIONS & EXPERIENCE:

- Compliance with relevant occupational health, safety and environmental regulations.

Additional Requirements:

- Must be accredited with QCTO
- The supplier to supply own resources (Projector, Pens, white board markers, flip chart
- Supplier to manage the attendance register and furnish the end user with the attendance registers for the training.
- Supplier is responsible for all administration related issues throughout the course duration.
- Supplier to issue hardcopy Certificate of Competency and license