



THE
LEARNING
DEVELOPMENT
GROUP

Introduction

The accredited Skills Programme: First Line Maintainer NQF level 3, is an occupational programme for individuals working in first line maintenance on manufacturing and production machinery and equipment.

The programme is highly practical and covers all aspects of routine maintenance in normal production in the metal and engineering sectors, using electrical and mechanical machinery. Delegates will gain knowledge and skills in observing equipment during normal operating cycles, identifying potential problems, performing and documenting first line maintenance for operational efficiency, using appropriate agents, instruments and tools and understanding the difference between first line maintenance and major repairs.

The Skills Programme offers career entrance into the sector and articulates into the NC: Production Technology, level 3.

Target Audience

The skills programme is aimed primarily at individuals working in first line maintenance in the manufacturing, metal, engineering and automotive component manufacturing sectors.

Entry Requirements

- Competence in Communication and Maths Literacy at NQF level 2.

Additional Requirements

- You will need access to appropriate workplace projects to complete the practical components of the skills programme.
- Active support and mentorship by your manager.
- Access to a PC, software and the internet.

Manufacturing & Production

First Line Maintainer

MERSETA Statement of Results

SP ID:	SP1001/17-17
NQF Level:	3
Credits:	14

Course Delivery & Assessment

We use a blend of inclass and virtual interactive learning, workplace learning, coaching and mentoring, theoretical assessment, practical workplace observation and self-study to embed skills.

You will need to:

- Attend all sessions.
- Complete practical workplace experiential learning and assignments.
- Demonstrate theoretical and practical understanding of programme content.
- Compile and submit a Portfolio of Evidence (PoE).

To receive your Statement Of Results, First Line Maintainer, you will need to compile, submit and be found competent on a Portfolio of Evidence (PoE).

Learning Outcomes

By the end of the skills programme, you will be able to:

- Observe equipment operations during normal operating cycles.
- Identify equipment problems and communicate to appropriate production and maintenance personnel.
- Perform and document first line maintenance.
- Use process agents, replace worn parts and use hand and power tools.
- Ensure machines run smoothly.
- Adhere to safety procedures and work safely with due regard for self and fellow workers.
- Understand how to prevent major problems through regular monitoring of machinery.
- Communicate with team members, the next shift and supervisors.





Course Content

SP: First Line Maintainer
Accreditation Body: MERSETA

| SETA Skills Programme ID: SP1001/17-17
| NQF Level: 3 | Credits: 14



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Module 1: Observe Equipment Operation During Normal Operating Cycle

- Observe equipment operation regularly and check for consistency
- Apply process agents and detect and replace worn parts according to policy and equipment specifications
- Follow safety procedures
- Complete and document all aspects of first line maintenance in time
- Communicate and refer major maintenance needs and problems to specialists

Module 2: Perform Routine First Line Maintenance

- Source materials for maintenance procedures
- Apply process agents such as lubricants, coolants, oils, greases and heating materials
- Replace worn parts including filters and rollers
- Use appropriate instruments and tools including hand and power tools and torque wrenches
- Explain the difference between first line maintenance and major repairs
- Document all aspects of routine first line maintenance

Module 3: Report on Work Done

- Report on first line maintenance completed
- Complete documentation correctly
- Communicate work well done to team members, the next shift and supervisors
- Explain what to look for when observing machinery

Module 4: Work Safely with Due Regard for Self and Fellow Workers

- Adhere to safety procedures and protocols
- Perform and document first line maintenance according to safety requirements
- Show that no major problems have occurred on machinery that could have been prevented

Our Accredited Organisations



FACULTY
TRAINING
INSTITUTE



Siyangqoba

