



THE
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GROUP

Introduction

The accredited Skills Programme: Understanding of Quality Indicators in Manufacturing, NQF level 2, is an entry level occupational programme for individuals working in manufacturing, assembly and engineering production processes.

There is a strong emphasis on productivity, processes and quality in manufacturing and technology. It covers knowledge and practical skills in the impact of individual actions on productivity, optimising productivity and producing activity plans to improve productivity. Other topics covered include supply chain and adding value, the stages of manufacturing, assembly and engineering processes, quality to meet customer and product specifications, and the implications of product and process failures.

The programme can be used to articulate into the NC: Production Technology at NQF level 2.

Target Audience

The Skills Programme is aimed primarily at individuals working in support positions in production processes, systems and maintenance, quality control and occupational health and safety.

Entry Requirements

- Competence in Communication and Numeracy at ABET level 3.

Additional Requirements

- You will need access to appropriate workplace activities 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

Understanding Quality Indicators in Manufacturing

MERSETA Statement of Results

SP ID: SP 0878/14-17

NQF Level: 1

Credits: 13

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, Understanding Quality Indicators in Manufacturing, 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:

- Explain how individual actions affect the productivity of an organisational unit and identify opportunities to improve productivity.
- Frame and implement an individual action plan to optimise productivity within a unit.
- Identify the role of a company within a supply chain.
- Identify and describe the features of a manufacturing, assembly or engineering process.
- Describe the phases of a manufacturing process, and the changes which occur.
- Identify and describe the inputs, outputs, power sources, control systems and services in each phase of the process.
- Understand the concept of quality in terms of customer requirements and product specifications.
- Describe the implications for workers, customers and the company of product and process failures.





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Course Content

SP: Understanding of Quality Indicators in Manufacturing
Accreditation Body: MERSETA

| Skills Programme ID: SP 0878/14-17
| NQF Level: 1 | Credits: 13

Unit Standard 14445: Frame and Implement an Individual Action Plan to Improve Productivity within an Organisational unit

- Demonstrate an understanding of how individual actions affect the productivity of an organisational unit
- Identify opportunities to optimise productivity improvement in a unit
- Frame an individual activity plan to improve productivity

Unit Standard 13162: Identify and Describe Inputs, Outputs, Stages and Quality Indicators of the Manufacturing, Assembly or Engineering Process

- Explain the role of a company within its supply chain
- Identify and describe the various stages of the manufacturing, assembly or engineering process
- Describe each phase of the process
- Identify and describe the inputs and outputs of each phase of the process
- Identify and describe the power sources, control systems and services required by a process
- Define quality in terms of customer requirements and product specifications
- Describe the implications for workers, internal and external customers and the company of product and process failures

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