

# Demonstrate an understanding of the principles of manufacturing & assembly logistics planning

Detailed course content as per SAQA requirements



The following document contains detailed course content as per SAQA requirements. AIR Training, Consulting & Services fully adheres to SAQA legislation. This information may also be retrieved from SAQA.

# Demonstrate an understanding of the principles of manufacturing and assembly logistics planning

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Unit Standard Number: 116292

NQF Level: 04

Credits: 12

## PURPOSE OF THE UNIT STANDARD:

Learners involved in manufacturing and assembly logistics require the skills, values and knowledge reflected in this unit standard. Learners credited with this unit standard are able to demonstrate understanding of the concepts and principles utilised in the establishment of business and production plans. Learners are required to understand the nature of these plans, identify and interpret critical issues, components and the establishment process.

## SPECIFIC OUTCOMES AND ASSESSMENT CRITERIA:

### SPECIFIC OUTCOME 1

Demonstrate an understanding of the interfaces and interactions of a manufacturing and assembly strategic business plan:

- Major goals and objectives of the organisation.
- Strategic horizon.
- The need for a sound business plan.
- Vision, mission, goals, targets, objectives and the measurement thereof.
- Business plan includes plans describing the strategic direction of the organisation.

### SPECIFIC OUTCOME 2

Identify critical issues relating to strategic planning:

- Critical issues relevant to the strategy.
- Importance of the relevant interfaces.
- Availability of critical resources.
- Micro and macro environment.

### SPECIFIC OUTCOME 3

Demonstrate an understanding of the Master Production Plan / Schedule (MPP / MPS) as an output of the Strategic / Business plan:

- Factors involved in the process of developing the MPS / MPP.
- Different planning horizons and time buckets.
- Alternative scenarios to satisfy the required input parameters.

### SPECIFIC OUTCOME 4

Demonstrate an understanding of the uses of the Master Production Plan / Schedule (MPP / MPS):

- Detailed production schedule.
- Material requirements planning (MRP).
- Distribution plans.

### SPECIFIC OUTCOME 5

Demonstrate an understanding of the importance of the customer in the business process chain (internal and external):

- Customer needs and expectations.
- Satisfying customer needs in terms of planning.
- Customer focus in business performance.