

	Unit ID: 1934
Domain	Building and Civil Construction Management
Title:	Develop and manage quality system and procedures on a construction project
Level: 5	Credits: 12

Purpose

This unit standard is intended for those who develop and manage quality system and procedures on construction project. People credited with this unit standard are able to establish and manage a quality management system on a construction project, establish and manage quality improvement processes, establish and apply a construction project quality plan, develop and manage quality process and acceptance control systems on a project.

Special Notes

1. Entry information

Prerequisite:

- *Unit 1157- Demonstrate basic knowledge of workplace health and safety or demonstrated equivalent knowledge and skills.*

2. Assessment evidence may be collected from a real workplace or simulated workplace in which building and civil construction management are carried out.

3. Glossary and abbreviations

'Specifications' refers to any, or all of the following: manufacturers' specifications and recommendations, site and workplace specific requirements.

6. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act 2007(Act no 11, 2007)
 - Regulations relating to the health & Safety of employees at work under Schedule 1 (2) of the Labour Act No.11 of 2007 and all subsequent amendments.
 - Local Authorities Act. 23, 1992
 - SABS 0400
 - Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977) and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the

Elements and Performance Criteria

Element 1: Establish and manage a quality management system on a construction project

Range

Conformance to requirements as a definition of quality includes requirements of Specifications and drawings, Site instructions and variation orders, Conditions of contract, Statutory, legislation and bylaws, Company policies and procedures, and Standard operating procedures.

Performance Criteria

- 1.1 Concept of conformance to requirements is understood and applied.
- 1.2 Quality system of prevention is established and applied according to quality principles and procedures.
- 1.3 Quality performance standards are established and applied according to quality principles.
- 1.4 Measurement and evaluation of quality performance is managed according to company procedures.

Element 2: Establish and manage quality improvement processes

Range

Quality organisational structure includes quality improvement teams, quality councils, and management/supervisory/steering co-ordinators of quality.

Performance Criteria

- 2.1 Quality improvement organisational structure is established according to company quality procedures.
- 2.1 Quality improvement processes are established according to quality procedures.
- 2.5 Quality improvement processes are managed according to quality procedures.

Element 3: Establish and apply a construction project quality plan

Performance criteria

- 3.1 Project quality plan is developed according to quality procedures.

- 3.2 Project quality plan is applied and managed according to quality principles.
- 3.3 Work methods are planned and managed according to the criteria in the project quality plan.
- 3.4 Deviations from the project quality plan are identified, measured and corrective actions implemented.
- 3.5 Deviations from the requirements of the project quality plan are reduced according to the quality improvement process.

Element 4: Develop and manage quality process and acceptance control systems on a project

Performance Criteria

- 4.1 Process control quality system is established according to industry testing procedures.
- 4.2 Process control procedures are planned and managed according to process control systems.
- 4.3 Quality is embedded in construction methods to ensure compliance with quality requirements.
- 4.4 Quality acceptance control procedures are complied with in accordance with client's systems.

Registration Data

Subfield:	Civil and Building Services Engineering
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