



TERMS OF REFERENCE

ENHANCEMENT OF FIRE SUPPRESSION SYSTEM IN THE QCTO SERVER ROOM

1. INTRODUCTION

The QCTO server room is a critical infrastructure facility housing essential IT systems and data. To ensure the safety and integrity of this environment, a reliable fire suppression system is required.

The current system does not fully comply with Part T, Fire Protection, of SABS 0400:1990 – The Application of the National Building Regulations.

The server room currently has six detectors (two floor, two room, and two ceiling), which are insufficient to cover the entire area. Additionally, the FM200 gas cylinder installed in 2013 is due for its recommended 10-year pressure test.

To address these gaps and ensure full compliance and safety, QCTO seeks a service provider to procure and install:

- Six additional fire suppression detectors
- An evacuation sign
- fire seal
- Conduct a pressure test for the FM200 gas cylinder

2. OBJECTIVE

The objective of this assignment is to procure the services of a qualified service provider to enhance the fire suppression system in the server room, ensuring full coverage, regulatory compliance, and improved safety.

3. SCOPE OF WORK

The appointed service provider will be responsible for the following tasks:

- **Installation of Detectors:** Supply and install six additional fire suppression detectors to ensure full coverage of the server room.
- **Evacuation Signage:** Supply and install a compliant evacuation sign in a visible location.

- **Fire Seal Upgrade:** Replace existing flammable fire seals with certified fire-resistant seals.
- **FM200 Cylinder Pressure Test:** Conduct a pressure test on the FM200 gas cylinder and provide a compliance certificate.
- **System Integration & Testing:** Ensure all new components are integrated with the existing system and tested for functionality.
- **Compliance Verification:** Confirm that the upgraded system meets the requirements of SABS 0400:1990 Part T.

4. DELIVERABLES

The service provider must deliver the following:

- Six installed and operational fire suppression detectors
- Installed evacuation sign
- Upgraded fire seals
- FM200 pressure test report and compliance certificate
- Final system test report confirming full functionality and coverage

5. QUALIFICATIONS & EXPERIENCE REQUIREMENTS

The service provider must meet the following criteria:

- Proven experience in fire suppression system installation and maintenance
- Certification in handling FM200 systems and pressure testing
- Knowledge of SABS 0400:1990 regulations and fire safety standards
- References from similar completed projects
- Compliance with occupational health and safety standards

6. EVALUATION CRITERIA

Proposals from potential service providers will be evaluated based on the following criteria:

- **Technical Capability** – Demonstrated experience and expertise in fire suppression systems
- **Regulatory Compliance** – Ability to meet SABS 0400:1990 standards
- **References** – Minimum of two references from similar completed projects

7. COMPULSORY INFORMATION SESSION

- The QCTO has one site situated in Hatfield, Pretoria.
- It is important to note that site inspection and evaluation of the existing fire suppression system is compulsory before sending through your quotation

8. ENQUIRIES

For further information, please contact the following QCTO staff members:

Technical enquiries can be directed to:

Mr Victor Chauke	Mr Mahlodi Shebambo
Tel no: 012 003 15603	Tel no: 012 003 15603
Chauke.v@qcto.org.za	Shebambo.m@qcto.org.za