



Independent Communications Authority of South Africa

350 Witch-Hazel, Avenue, Eco Point Park
Private Bag X10002, Centurion, 0157

ICASA hereby requests the services of a qualified service provider, who will test, maintain, service, certify and modification/upgrade of the existing fire detection and audio evacuation system at its Head Office.

1. Background and Purpose

Currently there is a fire detection and audio evacuation system that is installed and working at its Head Office which is situated at Block B&C, 350 Witch-Hazel, Avenue, Eco Point Park, Centurion. The appointed service provider will be required to test, maintain, service, certify and modify or upgrade the existing fire and audio evacuation system.

2. Scope of Work

2.1 Inspection

A **visual inspection** of every device in the fire detection system will be performed to ensure that no facility changes have occurred which could affect equipment or system performance based on the original design.

2.2 Testing

Every device and control function of the fire detection system will be **physically activated** to ensure its functionality as designed and installed. Testing takes into consideration the systems requirements, local ambient conditions, and the manufacturer's recommendations. Contractor will follow the manufacturer's recommended test methods and frequencies as a minimum guideline for system testing. System configuration is verified during quarterly inspections and compared to existing records. Complete documentation of testing and a report of any deficiencies will be presented for review before the Technician leaves the facility. Audible Testing will be conducted during off or non-operational hours and the schedule will be pre-approved by ICASA official.

2.3 Preventative Maintenance

System components will be cleaned, recalibrate and re-tested, if necessary, to ensure continued performance and reduce the risk of component or system failure. During scheduled visits, minor repairs will be made, such as replacement of faulty detectors or damaged devices.

2.4 Smoke Detector Sensitivity Testing

Smoke Detector Sensitivity testing will be performed in accordance with the manufacturer's guidelines using the manufacturer's recommended test methods and an approved testing device.

Service provider will provide the necessary documentation to satisfy the ICASA. Service provider will provide an analysis of the report along with recommendations for detectors that require replacement.

- a) All detectors shall be tested with a listed spray test smoke.
- b) All detectors shall be tested in all areas accessible to the service provider.
- c) Validation of all building interfaces shall be noted on test report

2.5 System Software Updates

Microprocessor based systems will have the software upgraded when required to maintain the listing requirements.

2.6 Corrective Maintenance

Necessary repairs for deficient or inoperable devices such as those found during system testing, inspection, or preventative maintenance, or have failed during operation will be provided. Only original replacement components manufactured by the original equipment manufacturer or other compatible components are used to preserve the fire detection system

2.7 Interface / Integration

The service provider will be required to integrate the existing fire suppression and audio system with the biometric control system. This is required in the event of an emergency situation or alarm triggering the biometric access control and boom gates must automatically open.

3 Service Intervals required and parts replacement

3.1 Two (2) major services over a period of two (2) years.

3.2 Six (6) minor services over a period of two years.

3.3 Provider labour

3.5 Part replacement

4. Site viewing

Interested service providers are required to view the existing fire detection and audio evacuation system at its premises situated at Block B&C, 350 Witch-Hazel, Avenue, Eco Point Park, Centurion. For more information please contact Mzi Walaza on 082 414 9144