

Specifications

MANDATORY CONFIGURATION REQUIREMENT

1. Purpose of the RFQ

The Independent Communications Authority of South Africa (hereinafter referred to as “the Authority”) intends to procure 9 (Nine) magnetic vehicle mount omnidirectional broadband antennas that cover the frequency range from 150 MHz to 6 GHz for the technical staff at the nine regional offices.

2. Description of the requirement

2.1. The Authority currently has to perform radio monitoring for the mitigation of radio interference. The Authority requires specialised magnetic vehicle mount omnidirectional broadband antennas that cover the frequency range from 150 MHz to 6 GHz

This equipment is for the monitoring of compliance to the radio frequency spectrum licenses and to assist in resolving harmful radio interference.

2. Technical specifications

These technical specifications define the minimum acceptable performance characteristics in order to fulfil ICASA’s bid requirements as set out in this document:

3. Objectives of the Bid

The scope of this specification is limited to the supply, and delivery of 9 (Nine) magnetic vehicle mount omnidirectional broadband antennas that cover the frequency range from 150 MHz to 6 GHz. This should include all accessories, such as mounting brackets.

4. Configuration requirements

This section defines the configuration and functionality requirements which are imperative in order to fulfil the magnetic vehicle mount omnidirectional broadband antennas requirements as set out in this document. Please provide a comprehensive analysis to these requirements, by indicating whether you comply or not.

	Comply	Not Comply
1. General Specifications <ul style="list-style-type: none"> • Frequency range 150 MHz - 6 GHz • Omnidirectional • Gain 2 dBi • Impedance 50 Ohm • Connector SMA or N • Magnetic base mount for vehicle • Suitable low loss feeder cable (3 meters) to connect from antenna to test equipment SMA/N-Type to N-Type (M) Substantiate ----- -----		
2. Calibration Certificate <ul style="list-style-type: none"> • Supply of calibration certificate per antenna Substantiate ----- -----		

•Delivery Details

To be delivered to: ICASA REGIONS DIVISION

Attention: Sphehile Zungu, Divisional Assistant Regions +27 12 568 3803
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Eco Point Office Park
Eco Park, Centurion