



Independent Communications Authority of South Africa

350 Witch-Hazel Avenue, Eco Point Office Park

Eco Park, Centurion.

Private Bag X10, Highveld Park 0169

Telephone number: (012) 568 3000/1

APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY OF NINE (9) OF HANDHELD BROADBAND ANTENNAS TOGETHER WITH RF CO-AXIAL CABLES AND RF ADAPTERS.

1 Purpose of the Submission

- 1.1. The purpose of this memo is to source a service provider that will provide ICASA with 9 (Nine) of handheld broadband antennas, RF Co-axial cables and Precision RF adapters for the purpose of tracing radio frequency emissions from 6 GHz up to 40 GHz.

2 Background

- 2.1 The Authority requires portable handheld, broadband omnidirectional antennas to trace radio signals that may be causing harmful interference to licensed operators.
- 2.2 The Authority intends to source through an open bid from eligible bidders, 9 (Nine) of handheld broadband antennas, RF Co-axial cables and Precision RF adapters. They will used on the existing spectrum analysers.

3 Scope

ICASA intends to appoint a service provider to supply the following equipment:

- 3.1 9 (Nine) handheld broadband antennas that cover the radio frequency spectrum range from 6 GHz up to 40 GHz.
- 3.2 9 (Nine) RF Co-axial cables.
- 3.3 9 (Nine) Precision RF adapters.

The detailed specifications of omni-directional antennas are contained in Annexure A.

4 Support of the Equipment

Written warranties and guarantees will apply to the Original Equipment Manufacturer (OEM) specifications, terms and conditions. Equipment to be procured should be covered for a minimum of 1 year of any manufacturing defects or failure.

5 Period of assignment

All equipment will be delivered in accordance with the time schedule as agreed with the Authority. The Authority will not be responsible for any cost incurred due to an extension of the delivery of the units as result of delays by the Supplier.

6 Briefing Session

There will be a non-mandatory virtual briefing session.

7 Evaluation of the Bids

The bid will be advertised for a minimum period of twenty-one (21) calendar days in the ICASA website and e-Tender portal, on an 80/20 procurement principle.

Bidders will be evaluated on an Evaluation criteria. Only bidders who meet the minimum threshold of 70 points will be considered further for price evaluation and specific goals. All bid proposals submitted will be evaluated in accordance with the 80/20 procurement principle.

Table 1 Evaluation Criteria

Evaluation Criteria	Weight	Rate	Points
<p>1. The bidder shall provide proof of compliance with <u>all</u> the technical specifications as stipulated in Annexure A for broadband antennas, RF co-axial cables and RF adapters. The data sheet confirming all technical specification requirements must be submitted as proof. Bidder must also indicate whether specifications are applicable or not in a spreadsheet, as stipulated in Annexure B.</p> <ul style="list-style-type: none">• 5 = All requirements met• 1 = Not all requirements are met	60		
<p>2 Provide references on official third-party company letterhead, dated within the last five years, indicating where radio equipment has been supplied. Reference letters must clearly indicate the dates of supply.</p> <ul style="list-style-type: none">• 5 = provided four or more reference letters	20		

<ul style="list-style-type: none"> • 4 = provided three reference letters. • 3= provided two reference letters • 2 = provided one reference letter. • 1 = no reference letter provided. 			
<p>3 Provide proof in a form of a letter that your organisation is the OEM or is appointed by the OEM as the equipment distributor and holds guarantees and warranties for the equipment that is being offered.</p> <ul style="list-style-type: none"> • 5 = proof provided. • 1 = no proof provided. 	20		
<p>Total (Minimum Cut-Off Points 70)</p>	100		

- Delivery Details

To be Delivered to ICASA HEAD OFFICE -REGIONS DIVISION

Attention: Sphehile Zungu, Divisional Assistant Regions +27 12 568 3803

350 Witch-hazel Avenue
Eco Point Office Park
Eco Park, Centurion

Annexure A: Technical Specifications

Background

The Authority is mandated to locate sources of interference. The Authority requires professional broadband antennas that cover the frequency spectrum range from 6 GHz up to 40 GHz.

Broadband Antenna and Accessories

1. Broadband antenna 6GHz to 40GHz

50Ω Impedance

>12 dBi gain

Better than 1:5 VSWR

Linear Polarization

Connector Type 2.92mm Female

< 250g Weight

2. RF Co-axial cable

2.92mm M to 2.92mm M

3 Meters in length

DC to 40GHz

3. Precision RF Adapter

2.4mmF-2.92mmF

DC to 40GHz

Minimum 500 Mating cycles

Better than 1:4 VSWR

Temperature rating -60°C-+160°C

Annexure B: Compliance to Technical Specifications

Insert a tick (x) where applicable

Broadband antenna 6GHz to 40GHz	Technical specifications	Applicable	Not applicable
	50Ω Impedance		
	>12 dBi gain		
	Better than 1:5 VSWR		
	Linear Polarization		
	Connector Type 2.92mm Female		
	< 250g Weight		
RF Co-axial cable	Technical specifications	Applicable	Not applicable
	2.92mm M to 2.92mm M		
	3 Meters in length		
	DC to 40GHz		
Precision RF Adapter	Technical specifications	Applicable	Not applicable
	2.4mmF-2.92mmF		
	DC to 40GHz		
	Minimum 500 Mating cycles		
	Better than 1:4 VSWR		
	Temperature rating -60°C- +160°C		