



Telkom Tenders

SUBJECT : RFB 211/ 09 : SUPPLY OF ENGINEERING HANDSETS FOR THE PURPOSE OF TESTING WCDMA AND GSM NETWORK PARAMETERS.

Closing date & Time : 2009/09/07 @ 11:00
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Cost of document : R 50.00

SCOPE:

1.0 WCDMA and GSM networks have many parameters which determine its performance. To ensure a desired quality of service, Telkom need to have a proper selection of network and cell parameters.

A need has therefore been identified by Telkom SA Tier 1 (CNFO) to use mobile engineering handsets to test WCDMA and GSM network parameters to confirm network functionalities.

Mobile engineering handsets have the capabilities for verification, monitoring, and troubleshooting of mobile networks and are integrated, by loading engineering software, into a range of commercial handsets. These handsets can be used as conventional phones as well as testing devices, allowing field technicians to collect valuable information with normal handsets, any time, and at any site, in a convenient way.

A request for Bid process is being used to source these handsets.

2.0 Critical Criteria

The following is part of the critical criteria. Failure from the Bidder to meet these critical criteria will lead to disqualification from the RFP process.

2.1 Black Economic Empowerment

Telkom requires that all bidders shall have a minimum of 25.1% Effective Black Shareholding/equity ownership. The Bidder must complete the BEE questionnaire in the RFB document and provide all the requires documentation. Companies with complex shareholding structures should provide a detailed shareholding structure highlighting the effective shareholding of the Blacks in all the different entities where they have indicated black shareholding in section 1 of the questionnaire



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2.2 Technical Critical Criteria

a) WCDMA

The Engineering handset SHALL support the following requirements:

- a. WCDMA in the 2100 MHz band.
- b. 3GPP Release 6 compliant and backward compatible to previous 3GPP releases.
- c. Able to measure and display the following:
 - i. The Universal Terrestrial Radio Access (UTRA) carrier Received Signal Strength Indicator (RSSI).
 - ii. The E_c/N_0 .
 - iii. The scrambling code and Cell Identification (CID).
 - iv. The Received Signal Code Power (RSCP).

b) GSM

The Engineering handset SHALL support the following requirements:

- a. GSM in the 1800 MHz band.
- b. Able to measure and display the following:
 - i. The carrier Received Signal Strength Indicator (RSSI)
 - ii. Carrier-to-Interference ratio (C/I)
 - iii. Base Station Identifier Codes (BSIC)
 - iv. Broadcast Control Channel (BCCH)
 - v. Timing Advance (TA)
 - vi. Mobile Allocation Index Offset (MAIO)



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c) General Requirements

- a. The Engineering handset SHALL comply with ICASA requirements.
- b. When upgrading or superseding an engineering handset, the software license SHALL be transferable to the upgraded or superseded device without additional software fees to maintain the same test functionality.

d) RF Spectrum

- a. All mobile engineering handsets SHALL comply with South African Regulations on the use of the radio frequency spectrum. The operating frequencies of all radio equipment SHALL be in accordance with the South African Table of Frequency Allocations as stipulated in Government Gazette 26584 of July 2004.

e) Product Support

- a. The local agent and the manufacturer SHALL be held jointly and severally responsible for ALL support, including the guarantee, as offered to Telkom.
- b. The bidder SHALL offer a guarantee period of 12 months from date of delivery.

f) Electromagnetic Compatibility (EMC)

- a. The equipment as specified in this document SHALL comply with the emission and immunity requirements as given in EN 301489-22 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillary equipment"

3.0 The tender document can be obtained from Telkom's tender office at the following address:

Attention : Marietjie Mattheus
Tel number : 012 311-3364

179 Proes street
Pretoria
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