

CROWDSOURCED WIRELESS NETWORK SERVICE MEASUREMENT SOLUTION

The Telecommunications Regulatory Commission (TRC) is seeking a crowdsourced wireless network service measurement solution to assess cellular network service conditions in the Hashemite Kingdom of Jordan. Suppliers are invited to propose solutions that meet the requirements below.

Supplier's proposal must contain all information below. Non-conforming proposals may be disqualified at our sole discretion.

Cover Letter

The proposal should contain a cover letter that includes the name and contact information of the person/persons from supplier who are authorized to negotiate on behalf of supplier.

Executive Summary

- Provide an overview of company and describe past and current experience in crowdsourced benchmark mapping of wireless network service.
- Briefly describe offered solution.

Detailed Proposal Requirements

Company Profile

- Provide background of Supplier's company, including size, business divisions, facilities, research and development labs, date established, and total number of employees.

Offered Solution

- Provide an overview of supplier's offering of crowdsourced benchmarking services.
- Describe experience in providing the solutions required in this RFP.
- Describe user and measurement counts for Jordan.

Specifications

Technical requirements are detailed below. Supplier must confirm their offered solution can meet the requirements. Maps must be accessible over the internet from a computer using common web browsers. Measurements must be refreshed monthly.

Basic Map Layers for the country of Jordan:

- LTE Signal Level per Network
- LTE Signal Quality per Network
- UMTS Signal Level per Network
- GSM Signal Level per Network
- LTE Dominant Cell ID
- LTE Data Usage
- WiFi Data Usage
- 10 meter resolution
- Competitive Difference Maps for Signal Level
- Competitive Difference Maps for Signal Quality
- Adjustable Date Range



- Indoor View
- Outdoor View
- Layer Imports
- Layer Exports
- Search Function
- Satellite background map
- Streets background map
- Night Mode background map

An important aspect of the RFP is identifying which measurements are indoor vs. outdoor, and assessment of service in individual buildings.

Building Assessment Maps for the country of Jordan:

- Indoor LTE Signal Level (per building)
- Indoor LTE Signal Quality (per building)
- Indoor User Density
- Indoor Data Usage
- Indoor Network A vs Network B LTE Signal Level (per building, for all network combinations)
- Indoor Network A vs Network B LTE Signal Quality (per building, for all network combinations)
- Indoor Best Network for Signal Level
- Indoor Best Network for Signal Quality
- Outdoor LTE Signal Level
- Outdoor LTE Signal Level
- Outdoor Network A vs Network B LTE Signal Level
- Outdoor Network A vs Network B LTE Signal Quality
- Outdoor User Density
- Outdoor Data Usage
- Outdoor Best Network for Signal Level
- Outdoor Best Network for Signal Quality

Exports:

- Export of details for each building within the area, including per-building signal level and quality conditions, user counts, and data usage.
- Bidder shall provide training for the QoS team in TRC.

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