



East Bay Regional Communications System Authority



Participating agencies include Alameda and Contra Costa Counties and the following cities and special districts: Alameda, Albany, Antioch, Brentwood, Clayton, Concord, Danville, Dublin, El Cerrito, Emeryville, Fremont, Hayward, Hercules, Lafayette, Livermore, Martinez, Moraga, Newark, Oakley, Pinole, Pittsburg, Pleasant Hill, Pleasanton, Richmond, San Leandro, San Pablo, San Ramon, Union City, Walnut Creek, East Bay Regional Park District, Kensington Police Community Services District, Rodeo-Hercules Fire Protection District and San Ramon Valley Fire Protection District

Request for Proposals LTE Network and Performance Testing Services

PURPOSE:

The East Bay Regional Communications System Authority (the "Authority") is seeking proposals from qualified wireless industry consulting firms ("respondents") to design a testing methodology and perform testing of multiple sites for the Project Cornerstone LTE Broadband pilot project.

The Authority has received a grant from the Bay Area UASI to build and operate a 10 site LTE Broadband network with the core and 1 site located in Alameda County, 4 sites in San Francisco, 3 sites in Contra Costa County, 1 site the city of Sunnyvale, and 1 site in the city of Santa Clara. The Authority entered into a contract with Motorola to build the network.

The Authority is looking for a wireless industry consulting firm with extensive experience in the development and testing of broadband networks with emphasis on LTE technology, and an in depth understanding of the requirements of public safety.

Based upon responses to the RFP, the Authority will retain a firm, to develop the testing methodology and complete the testing in October 2010. The Authority may also elect to extend the term of the engagement.

SCHEDULE OF EVENTS:

Authority issues RFP	August 25, 2010
Proposals are due	September 3, 2010
Proposal Evaluation Completed	September 10, 2010
Board Action on staff recommendation	September 17, 2010

SCOPE:

The respondent selected will report to the Executive Director of the East Bay Regional Communications System Authority and will provide services in the following areas:

Network Testing:

- The vendor will design tests that provide data to in order to evaluate the overall network performance.
- The scenarios will be based on real world public safety responses.
- The vendor will be required to work with representatives from Motorola, the Authority, and the Project Cornerstone agencies on the development of the scenarios and the selection of the applications used in the tests.
- The tests will include but are not limited to, tests of data speeds for both uplink and downlink capability, cell overlap, video bandwidth requirements, and application bandwidth requirements.
- Tests will include evaluation of cell overlap and interference

Written Reports:

- The vendor will provide detailed analysis of the test results with attention focused on the bandwidth required for public safety to use broadband applications required for incident response and day to day operations.
- The reports must provide critical analysis, and recommendations, on network performance, management, and applications.
- The vendor will be required to write a report detailing the results of the testing that will be filed with the FCC. The report must include the information in a format and form that can of value to the FCC.

Professional Experience:

- Demonstrated experience in the development of Broadband networks with an in depth knowledge of LTE technology
- Demonstrated experience working with the Federal Communications Commission on licensing, network design and engineering.
- Demonstrated experience in writing comparative and analytical reports on broadband network capacity, design and performance.
- Demonstrated experience working with vendors, public safety and governmental officials on the development of broadband capabilities for public safety.
- Demonstrated understanding of public safety response, and broadband requirements

PROPOSAL SUBMITTALS:

The proposal should include sufficient detail to allow for thorough evaluation and comparative analysis, and can be submitted electronically

Written proposals must be submitted to:

William J. McCammon, Executive Director
East Bay Regional Communications System Authority
4985 Broder Boulevard
Dublin, California 94568
Phone (925) 803-7802
Fax: (925) 803-7878

Proposals must be received no later than 11:00 a.m. (PT) on September 1, 2010. Proposals will not be accepted after this deadline.

EVALUATION PROCESS:

Proposals will be evaluated by representatives from the Authority, and the Bay Area UASI. Responses will be evaluated according to the following criteria:

1. Firm's experience, record of performance and strength of key personnel in providing the services required by the Authority;
2. Estimated cost of services proposed.

Following a review by the evaluation committee, a selection will be made. The Authority reserves the right to reject any and all proposals submitted. Any award made will be made to the best-qualified respondent in the opinion of the Authority. All selections are subject to approval by the Authority Board of Directors.

CONTRACTUAL ARRANGEMENTS:

The successful contractor selected will be required to enter into a standard contract with the Authority. Any modifications must be reviewed and approved by Authority Counsel. Selected contractor must carry insurance as specified in the standard Authority contract form.