



April 2, 2013

Julie Knapp, Chief
Federal Communications Commission
Office of Engineering and Technology
445 12th Street, SW
Washington, DC 20554

In Response, Please Reply To:
Michael A. Barnbeck, Director
(702) 828-3433

Re: Alcatel Lucent LTE Demo

Dear Chief:

Las Vegas Metropolitan Police Department (LVMPD) respectfully seeks Special Temporary Authority (STA) from the Federal Communications Commission (FCC) to operate in the 700 MHz public safety broadband spectrum to demonstrate Long Term Evolution (LTE) equipment in Las Vegas, Nevada, for a six-month period, starting from the grant date. As described below, LVMPD believes a grant of this STA will serve the interests of FirstNet and the overall public interest. The proposed project will conform to the following parameters:

1. We filed an initial request for approval of this demonstration project on March 18, 2013 with the FCC requesting operation for a six-month period from the grant date, allowing time during that period for setup, testing, demonstrations, and teardown. We request expeditious approval of this supplemental request, as soon as possible, to meet logistical timelines and to complete this demonstration on schedule as much as possible.
2. The operation will be confined to the immediate vicinity of 4615 W. Sunset Road, Las Vegas, Nevada 89118. The equipment will include one site with one temporary base station and associated antenna located at the named demonstration site, along with a small number of portable/mobile units all operating at no more than 8 kilometers radius from the base site.
3. The purpose of the proposed project is to provide LVMPD and interested public safety agencies with an opportunity to view, test, and receive introductory knowledge to understand the potential benefits and capabilities of the proposed Nationwide Public Safety Broadband Network (NPSBN) LTE network. The project will provide local coverage in the vicinity of 4615 W. Sunset Road, Las Vegas, Nevada 89118, while LVMPD, and its vendor, Alcatel Lucent, run numerous test scenarios to demonstrate LTE technology to officials and first responders. LVMPD would like to incorporate existing data applications, utilizing mobile and handheld devices while demonstrating data applications intended for first responders.
4. This demonstration will visibly promote and support FirstNet and its mission to build the NPSBN by educating state officials and the potential user community of Nevada. The demonstration will also support expectations for the build-out of FirstNet's NPSBN in Nevada. In addition, this educational effort is part of Nevada's NPSBN planning process,



as it will assist Nevada's agencies in their local and statewide planning for the rollout of the NPSBN.

5. LVMPD requests authority from the FCC to operate over the 758-768/788-798 MHz band for this project in order to maximize the capabilities of this LTE Demonstration, utilizing the 10 x 10 MHz band spectrum intended for the NPSBN.
6. The FCC and the former Public Safety Spectrum Trust (PSST) granted LVMPD an experimental license on January 03, 2012 (RE: File No: 0623-EX-PL-2011) to demonstrate Harris LTE capabilities utilizing 5 x 5 band MHz spectrum. The demonstration was viewed a success and involved local public safety agencies. The currently submitted STA detailed above will give LVMPD the opportunity to view and test Alcatel Lucent LTE capabilities utilizing the full 10 x 10 band MHz spectrum.
7. Information from the FCC's ULS databases has been analyzed and it was determined that the proposed operation would not interfere or create a significant potential for interference with any public safety operations in the 700 MHz band. There were no active public safety licenses granted in the Las Vegas, NV area on frequencies that are co-channel to those proposed in this request. LVMPD, which previously held a lease with PSST for the 700 MHz broadband spectrum, knows of no other entity or operation in this 700 MHz spectrum in Las Vegas or Nevada.
8. This network will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property, or safety. The equipment used will include a base station, associated antennae located at the demonstration site, and a small number of portable units in testing scenarios.
9. The installed station and associated mobile units will be used for demonstration purposes only, with operations confined to an 8 km radius.
10. If this application to operate under the requested STA during our requested time period, as specified in the introductory and first paragraphs is approved, we do not intend to seek an extension of this request. We are prepared to file a separate STA to include FirstNet concurrence if we need additional time.

Respectfully submitted,

DOUGLAS C. GILLESPIE, SHERIFF



Michael A. Barnbeck, Director
LVMPD Radio Systems Bureau

cc: Genaro Fullano, FCC
Regina Harrison, NTIA