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Jim Bogner
Statewide Interoperability
Coordinator

January 4, 2013

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

The State of Iowa, under the authority of the Iowa Statewide Interoperable Communications System Board (ISICSB), respectfully seeks consent from the Federal Communications Commission (FCC) and FirstNet to operate in the 700 MHz band spectrum to demonstrate Long Term Evolution ("LTE") equipment in Des Moines, Iowa, between January 2, 2013 and March 31, 2013. As described in detail below, the ISICSB believes a grant of this temporary experimental license 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 November 19, 2012 with the FCC requesting operation during the period January 2, 2013 through March 31, 2013, allowing time during that period for setup and testing, demonstrations, and teardown. Due to the above demonstration period, we ask that this supplemental request be expeditiously approved as soon as possible in order meet logistical timelines in order to complete this demonstration on the original schedule as much as possible.

2) With regard to garnering consent from the public safety licensee (FirstNet), I have contacted Regina Harrison, NTIA, requesting NTIA facilitate the transmittal of this request to FirstNet for their concurrence to the FCC as soon as possible for the reasons noted above.

3) Operation will be confined to the immediate vicinity of 801 Grand Ave, Des Moines, IA 50309. 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.

4) The purpose of the proposed project is to provide the Iowa

Governor's Office, State Assembly Legislators, local elected government officials, and public safety officials and their agencies, and other interested public safety parties with an opportunity to view a test of, and receive an introductory knowledge of, 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 the State Capital building during Iowa's legislative session, while the ISICSB, and its vendor for this demonstration, Harris Corporation, run numerous test scenarios and demonstrations to the above officials and first responders. The ISICSB would like to incorporate existing data applications that currently run over a commercial network, utilizing mobile and handheld devices, and demonstrate data applications for law enforcement, fire, and EMS responders.

- 5) This demonstration will very visibly promote and support FirstNet and its mission to build the NPSBN by educating state officials and the potential user community of Iowa and encourage expectations for the build-out of FirstNet's NPSBN in Iowa. In addition, this educational effort is part of Iowa's NPSBN planning process as it will assist Iowa's agencies in their local and statewide planning for the rollout of the NPSBN.
- 6) The ISICSB requests authority from the FCC to operate over the 763-768/793-798 MHz bands and the 758-763/788-793 MHz bands known as the 700 MHz D Block for this project in order to maximize the capabilities of this LTE Demonstration, utilizing the full 20 MHz spectrum intended for the NPSBN.
- 7) Information from the FCC's ULS databases has been analyzed and it is 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 Des Moines, IA area on frequencies that are co-channel to those proposed in this request. The ISICSB, which previously held a lease with PSST for the 700 MHz broadband spectrum, knows of no other entity or operation of this 700 MHz spectrum in Des Moines or Iowa.
- 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 to be used will include a base station and associated antennae located at the demonstration site, and a small number of portable units in testing scenarios only.
- 9) Installed Station and associated mobile units will be used for demonstration purposes only, with operations confined to an 8 km radius.

Respectfully submitted,

James Bogner
Iowa Statewide Interoperability Coordinator

Cc: Genaro Fullano, FCC
Regina Harrison, NTIA