

**Before the
Federal Communications Commission
Washington, DC 20554**

In the matter of)
)
Requests for Waiver of Various)
Petitioners to Allow the Establishment) PS Docket No. 06-229
of 700 MHz Interoperable Public Safety)
Wireless Broadband Networks)

Submitted: January 13, 2012

**QUARTERLY REPORT #7 OF THE STATE OF TEXAS
PUBLIC SAFETY LTE BROADBAND NETWORK**

The State of Texas (“State”) hereby submits to the Federal Communications Commission (“Commission”) this quarterly report as required by both the Commission’s *Waiver Order*¹ and the *Texas Waiver*.² The State was granted a waiver by the Commission for early deployment of a public safety broadband Long Term Evolution (“LTE”) network in the 700 MHz spectrum. This report provides the Commission and PSST with a status update on its efforts to deploy a Public Safety LTE (“PS LTE”) network in the State of Texas and has been prepared in consultation with the Chairman of the Public Safety Spectrum Trust (PSST). The State of Texas will deploy a 700 MHz interoperable public safety wireless broadband LTE network which complies with FCC orders, and will implement the statewide network in phases, beginning with the Harris County BIG-Net project as the first phase which is being implemented for the Houston metropolitan and coastal region. As a state which has historically led the nation in annual federally-declared disasters, Texas is dedicated and committed to statewide cooperation and a collaborative effort in building and operating public safety LTE infrastructure to provide the highest

¹ See “*Waiver Order*” FCC 10-79, at ¶63-64, PS Docket No. 06-229, released May 12, 2010.

² See “*Texas Waiver*” DA 11-863, ¶63-64, PS Docket No. 06-229, released May 12, 2011.

level of prevention, protection, response, and recovery from acts of terrorism and other catastrophic events in the State and nation.

Additional background and detail are provided in the most recent November 4, 2011 filing of the *State of Texas Public Safety LTE Interoperability Showing*, submitted to the Commission under PS Docket 06-229. This document is an excellent source of overall information on the State's plans for public safety LTE.

I. PLANNING

The State understands that Harris County will release an RFP entitled "Harris County Public Safety 4G LTE System Expansion with Additional Infrastructure, Equipment, Installation, Integration, and Maintenance" on or about January 13, 2012.

The State has not yet developed or received any other specific date information regarding the issuing of RFI/RFPs, however focus has been dedicated to providing agency entities within the State with the guidance and code of practice information needed to begin RFI/RFP development. The State has initiated a series of projects, forums, and a network architecture working group so that the State and its agency partners can develop the expertise and knowledge needed to develop cohesive RFI/RFP and planning documents that ensure future PS LTE deployments support the state, regional, and national objectives for openness, cost effectiveness, functionality and interoperability.

The State of Texas received an application from Dallas/Fort Worth International Airport Board requesting permission to expand the PS LTE within the State of Texas. The State is in the process of reviewing that application.

II. FUNDING

The State of Texas is in the process of developing build-out plans and associated funding strategies for its PS LTE network. The initial Harris County BIG-Net system deployment is being funded through a DHS FY 2006 Port Security Grant Program (PSGP) award of \$7.6 million received by Harris

County and which had a performance period ending in August of 2011. Most recently, Harris County has applied for an additional \$6.4 million in PSGP funding, which requires that the funding be spent by May 31, 2012. The funding will be used for eNodeB installation and integrations, video security system and maintenance, and enhanced information sharing. In addition, this grant includes additional eNodeB equipment, which is planned to be put into service later in 2012. This grant deadline is the primary driver of the BIG-Net change to the requested Date of Service Availability from the previously communicated August 1, 2012 to an earlier date of May 31, 2012. This is reflected in the Deployment section which follows.

III. DEPLOYMENT

Harris County recently completed the initial BIG-Net deployment, and over-the-air testing of an LTE Evolved Packet Core (EPC), six eNodeB sites, and approximately fifteen test USB Dongle devices. Texas received a Special Temporary Authority (STA) license from the FCC to allow test operation valid for July 15, 2011 through January 15, 2012, and recently applied for an extension of the STA to provide ability to test beyond the original STA deadline. Pursuant to the *Texas Waiver Order*, the State of Texas also submitted a revised *Texas Interoperability Showing* to the Bureau on January 13, 2012.

Since the last filing, the Harris County BIG-Net project team has implemented an acceleration of the deployment plan to a new date target of May 31, 2012, replacing the previous target Date of Service Availability of August 1, 2012.

Additional deployment details, reflecting this change are provided in the table below.

State of Texas eNodeB Site Deployment	TOTAL Number of eNBs by Phase	TARGET OTA Test Operation	ACTUAL OTA Test Operation	TARGET Date of Service Availability
BIG-Net OTA Testing - Phase 1.0: Deploy 6 sites	6	7/15/2011	7/26/2011	5/31/2012
BIG-Net OTA Testing - Phase 2.0: Deploy 8 sites	14	4/20/2012	TBD	5/31/2012
BIG-Net OTA Testing - Phase 2.1: Deploy Mobile Unit (CoW) - 1 site	15	4/13/2012	TBD	5/31/2012

v8 CoW - Cell on Wheels

The initial phase of BIG-Net build-out will be comprised of 15 eNodeB sites, three fewer than the last report. As of the date of this document, no obstacles or inhibitors, such as obtaining rights of way or equipment delivery delays, have been identified which could delay deployment.

As of the date of this document, no specific plans or purchases have been made for upgrading the initial public safety LTE equipment being deployed. As the strategic plan for the State is developed, these plans will be articulated and communicated in Quarterly Report updates and Interoperability Showings to the Commission.

Finally, the State of Texas confirms that all eligible public safety entities within the State of Texas will be offered service and access to the Public Safety LTE network.

Respectfully Submitted for the State of Texas,

/s/ Todd M. Early

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