

## Quarterly Status Report #9

### State of Hawai'i Public Safety Broadband Initiative

The State of Hawai'i, the County of Maui, County of Hawai'i, County of Kaua'i, and City and County of Honolulu entered into a partnership (Hawai'i Partners) that has received a waiver from the FCC. The Hawaii Partners seek to develop, acquire, deploy, and operate a statewide LTE broadband system for Public Safety. The Hawai'i Partners are submitting this quarterly report on the entire project as required by the conditional waiver granted by the FCC on May 11, 2010 (FCC 10-79).

- I. Planning: The Hawai'i Partners may issue an RFI/RFP for the full design and installation of an LTE system this calendar year.

The Hawai'i Partners will be issuing an RFP this quarter to procure technical services to further research and define numerous technical, procurement, operational, and site specifications required for the successful deployment of an LTE Public Safety Network in Hawai'i.

- II. Funding: The legislature has not yet allocated funding in fiscal year 2012 for this project.

- III. US Department of Agriculture (USDA) Demonstration – the Hawai'i Partners continue to support the STA being issued to the USDA for a temporary demonstration during the last quarter of 2011 in the Hilo area on the island of Hawai'i. The network was successfully brought up with two RAN sites. Both the USDA and the Hawai'i Partners conducted a substantial number of tests and demonstrations. In December 2011, the Hawai'i Partners submitted a letter of support to the PSST to extend the demonstration an additional three months. In March 2012, the Hawai'i Partners submitted a letter of support to the PSST to extend the demonstration an additional six months.

- IV. Deployment

- a. Equipment: We will conduct a competitive procurement when funding becomes available. Thereafter we will select a vendor or manufacturer and acquire our equipment. Until that time, we will not have fully developed specifications. We will require any vendor/manufacturer to strictly adhere to the FCC's Interoperability standards as they are developed. We have no intention to file an Interoperability Showing in the interim.
- b. Site Development: There are presently no LTE sites under development or build-out. Many of the Hawai'i Partner's existing public safety related applications have been tested and evaluated in partnership with the USDA LTE Demonstration Network in the Hilo area and some new applications are under development for assessment or educational purposes.

- V. Governance: All local governments within the boundaries of the State of Hawai‘i are partners in the statewide effort to develop broadband for Public Safety. The Hawai‘i Wireless Interoperability Network (HWIN) Executive Committee acts as an advisory board to this project and will be a vital part of its governance. HWIN includes public safety officials from federal government agencies, NGOs and all of the State and local government partners in this project. All public safety users in the State will have an opportunity to use the system and their involvement will be coordinated through HWIN.
- VI Roaming: In the *Waiver Order*, the Commission required that Waiver Recipients be capable of supporting roaming on all other Waiver Recipients’ systems, as well as public safety systems deployed in the future.<sup>1</sup> Further, the Commission has required that technical roaming capability, for both home-routed traffic and local breakout traffic, be available on the date that a Petitioner’s network achieves service availability.<sup>2</sup>

Consistent with the *Further Order’s* requirement that each Waiver Recipient certify its compliance with this condition in its quarterly report that follows its date of service availability, this is to certify that Hawai‘i complies with the Commission’s condition. Specifically, Hawai‘i and other waiver recipients created a working group of industry proposals to develop a methodology for technical roaming capability. Ultimately, the Waiver Recipients jointly elected a methodology that provides for a centralized service to provide such roaming capability, provided by an IPX Service Provider.<sup>3</sup>

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<sup>1</sup> See, Requests for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks, PS Docket 06-229, *Order*, 25 FCC Rcd 5145 (2010) (*Waiver Order*).

<sup>2</sup> See, Requests for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks, PS Docket 06-229, *Order*, 25 FCC Rcd 17156 (2010)(*Further Order*), at para. 9.

<sup>3</sup> Additional technical information is available from the Waiver Recipients upon request.