



February 12, 2010

**Notice of Oral Ex Parte Presentations** - via Electronic Filing

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

RE: A National Broadband Plan for Our Future  
GN Docket No. 09-51

Dear Ms. Dortch:

On February 11<sup>th</sup>, 2010, Kathleen Ham, Sara Leibman, Mark McDiarmid, and Robert Calaff of T-Mobile USA, Inc. (“T-Mobile”), and Kostas Liopiros, advising T-Mobile, participated in a telephone call with Stagg Newman of the Commission staff regarding the National Broadband Plan. On February 12, 2010, the same representatives of T-Mobile participated in a follow-up telephone call with Stagg Newman, Ziad Sleem, Pat Amodio, Tom Peters, and Jerry Stanshine of the Commission staff.

These calls explored issues related to the implementation of an interoperable wireless broadband network for public safety by leveraging existing commercial wireless networks.

T-Mobile and the FCC staff discussed the incremental costs of adding public safety wireless broadband capabilities to a commercial cell site. These costs include incremental capital costs for antennas, LTE Node B equipment, backhaul, and backup power as well as incremental operational costs.

T-Mobile noted the need to maintaining adequate signal quality at the cell edge of a 5 MHz + 5 MHz 700 MHz broadband network, especially in an urban environment, and discussed how the proper allocation of cell sites can maintain signal quality.

Finally, T-Mobile discussed its approach and experience in sharing infrastructure and how they could apply to an LTE public safety broadband network.

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Marlene H. Dortch  
December 22, 2009  
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Pursuant to Section 1.1206(b) of the Commission's rules, an electronic copy of this letter is being filed with the office of the Secretary. If you have any questions regarding this notification, please contact the undersigned.

Very truly yours,

/s/ Kathleen O'Brien Ham  
Kathleen O'Brien Ham  
Vice President, Federal Regulatory Affairs

cc: Stagg Newman  
Ziad Sleem  
Pat Amodio  
Tom Peters  
Jerry Stanshine

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