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September 6, 2017

Julius Knapp  
Chief  
Office of Engineering and Technology  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554

Dear Mr. Knapp

Booz Allen Hamilton requests approval of this Experimental Special Temporary Authorization in order to conduct developmental testing and operational demonstration of Long Term Evolution (LTE) broadband communications in the 700 MHz Band 14 spectrum in support of special facility force protection and tactical security operations. The work is to be conducted September 20 through October 4, 2017 at the Department of Energy's Pantex Plant near Amarillo, Texas. The proposed operations will be conducted on a short-term, itinerant basis to meet the test and demonstration goals involving data communications and video surveillance to and from maritime assets. The proposed system will not be used for mission critical or safety of life communications.

The frequency ranges involved, 758-768 MHz and 788-798 MHz are licensed on a nationwide basis to the First Responder Network Authority, which is currently in the planning stage with their contractor, AT&T to deploy the new Band 14 network. We understand that concurrence from FirstNet will be required to obtain this authorization.

Information from the use of LTE will be shared with FirstNet and other interested parties, including the propagation performance of the 700 MHz band in the maritime environment.

As such, we believe that granting this STA is in the public interest.

Booz Allen Hamilton has thoroughly searched the FCC ULS database and has found no co-channel licensees within 70 km of the proposed operational locations.

The technical demonstration will consist of one deployable LTE macrocell using base station equipment from General Dynamics and commercial user devices such as dongles, modems, and routers made by General Dynamics and others will be used.

Booz Allen Hamilton understands that operation under this STA would be for a temporary time period of two weeks duration, is non-renewable, and that no other rights to this spectrum are conferred through the granting of the STA. Should testing be required after expiration of the STA, a new application would need to be filed. It is also understood that all operations under this STA are secondary to use by FirstNet and that the test will be terminated should FirstNet, the FCC, or any other licensed user report harmful interference. Booz Allen will maintain control of the system at all times and be able to promptly turn it off in the event that it causes any interference. Booz Allen has also notified the Texas FirstNet SPOC of its intent to conduct this testing.

Sincerely,

Michael W. Jacobs //s//

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