

Raytheon IIS
Experimental STA Application
File No.: 0797-EX-ST-2015

Explanation of Experiment and Need for an STA

Overview:

Raytheon IIS develops a number of advanced communications technologies that are utilized by federal government customers in their work.

Need for an STA:

Raytheon IIS has a wireless testbed at its facilities in Sterling, Virginia. That facility tests a number of parameters relating to wireless communications in an effort to advance the radio art with regard to the performance of wireless systems. Raytheon previously was licensed for use of a VSAT terminal at this location, but recent changes to its configuration require Raytheon to seek new authorization for the operations proposed here. The testbed is active, so this STA request is intended to expedite the licensing of the VSAT operations to continue work on integrated wireless communications.

Explanation of Experiment:

The purpose of the testing is to explore how to meld the capabilities of a VSAT network terminal with advanced, ground-based wireless communications. A number of different parameters are being tested. The VSAT connection is used to test for use for backhaul and to engineer solutions to satellite communications delay, among other factors.

Area of Operations:

Operations will be conducted at the wireless testbed at Raytheon's controlled access facilities in Sterling, VA.

Stop Buzzer Point of Contact:

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Conclusion:

This authorization is required for the integrated testing of the VSAT communications with existing ground-based wireless communications technologies.

For any questions regarding this application, please contact Brian R. Kavalor, Spectrum Manager or Anne Cortez, WFS, 520-344-8525 or alc@conspecinternational.com. Thank you very much for your consideration.