

Time Domain Corporation
Experimental STA Request
February 14, 2000
File No. 0049-EX-ST-2000

Exhibit 3 (Amended)

Operational and Geographic Information

This request seeks a special temporary authorization to demonstrate prototype ultra wideband (“UWB”) units at the Fairfax County Urban Search and Rescue Team – Virginia Task Force 1 “Rubble Site, 4600 West Ox Road, Fairfax, VA 22030. The rubble pile is outdoors. The antenna of the RadarVision unit will be pointed into the rubble (not skyward). The effort will be to examine the usefulness of this technology in finding missing people in rubble as could be created by an earthquake. Operation will be intermittent from 9 AM until 3 PM. The Urban Search and Rescue Team is an elite public safety unit operated by the Fairfax County Government. It responds to emergencies throughout the world.

This request also seeks authority to operate a prototype RadarVision unit in the in the Commission’s main meeting room at 445 12th Street, S.W., Washington, D.C., for a demonstration during the hours of 9 AM to 3 PM also on February 16 at the Commission’s forum on “Opportunities for New Wireless Technologies.” This operation is to be indoors within a windowless room.

Finally, this STA seeks authority for a demonstration to the Chesterfield County Police at Chesterfield, Virginia on February 17, 2000, from 9:00 AM to 1:00 PM. The demonstration would be at a police facility at 10001 Iron Bridge Road, Chesterfield, Virginia 23832. The sponsor contact at this demo is Col. Carl R. Baker (phone 804-748-1266).

Date: Wednesday, February 16, 2000

Time: 9 AM – 3 PM

Locations:

Fairfax County Urban Search and Rescue Team – Virginia Task Force 1 “Rubble Site, 4600 West Ox Road, Fairfax, VA

Federal Communications Commission Headquarters, 445 12th Street, S.W., Washington, DC

Chesterfield County Police Department – 10001 Iron Bridge Road, Chesterfield, VA 23832

Number of units: one RadarVision™ unit per site

Antenna gain: nominally 0 dB

Radiated power: less than – 73dBW/MHz

Note: The radiated emissions level will not exceed the limits that would apply to an “unintentional” radiator under the general Part 15 limits set forth in Section 15.109 of the Commission’s Rules.

Contact person during hours of operation:

Fairfax County Site:

Glenn Morris

256-337-4690

Mr. Morris will be on site and reachable at the above-noted cellphone number during the demonstration.

FCC Headquarters

Ralph Petroff

256-990-0224

Mr. Petroff will be on site and reachable at the above-noted cellphone number during the demonstration.

Date: Thursday, February 17, 2000

Time : 9:00 AM – 1:00 PM

Location:

Chesterfield County Site

Glenn Morris

256-337-4690

Mr. Morris will be on site and reachable at the above-noted cellphone number during the demonstration.

Note: This site is indoors within a concrete block building. Coordinates for this site are as follows:

37.411566 N -077.567947 W Glenn Morris

256-337-4690

Mr. Morris will be on site and reachable at the above-noted cellphone number during the demonstration.

37: 24: 41.638 N 77:34:4.609 W

Contact person regarding this request:

David E. Hilliard
Wiley, Rein & Fielding
1776 K Street, N.W.
Washington, DC 20006

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Public interest showing:

The Commission has heretofore found it to be in the public interest to explore the development of ultra-wideband technology. *See, Notice of Inquiry* in ET Docket 98-153 released September 1, 1998. One of the demonstrations will provide an opportunity for search and rescue personnel to witness the operation of a prototype unit and to learn more about ultra-wideband technology. The other demonstration will offer those in attendance at a Commission sponsored forum on new wireless technologies the opportunity to witness the operation of a prototype and to learn more about ultra-wideband.