



0187-EX-ST-2000

May 17, 2000

VIA HAND DELIVERY

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

**Re: Special Temporary Authority to Demonstrate Satelan M4 Satellite
Communications Terminals**

Dear Sir/Madam:

Pursuant to Section 5.61 of the Commission's Rules, 47 C.F.R. § 5.61, BT North America, Inc. ("BTNA") hereby requests special temporary authority to demonstrate Satelan M4 satellite communications terminals and associated applications packages. The information required by Section 5.61 is provided as follows:

Name and Address of Applicant

BT North America, Inc.
601 Pennsylvania Ave., NW, Suite 625
Washington DC 20004
Attn: A. Sheba Chacko

Need for Special Action

BTNA has a number of existing and potential customers in the U.S. who are eager to witness live demonstrations of the capabilities of the Satelan M4 terminal and its applications as soon as possible. Using the M4 terminal and applications, the oil, gas, mining and news industries, among others, can have a remote office

working environment and secure broadband corporate LAN access, including video and data conferencing capabilities, ISDN Internet and intranet access, and video store and forward capabilities, thereby improving their efficiency and productivity. Prospective clients are extremely keen to see a demonstration of the M4 terminal and its applications. Therefore, BTNA needs special temporary authorization so that it may respond in a timely manner and conduct such demonstrations.

Type of Operation to be Conducted

BTNA intends to conduct demonstrations all over the United States of BT's solutions packages using Satelan M4 satellite communications terminals, including video and data conferencing, secure LAN access, remote inspection, and video store and forward capabilities (see table below).

Solutions Package:	Satelan M4 terminal packaged with:
Laptop compatibility for LAN/GAN accessibility	Laptop
Desktop video and data conferencing	BT VS1 unit or Sony Contact PCS 1500 unit
Video Store & Forward (to shoot footage, edit it and send it on)	Livewire's Voyager Lite
Remote Inspection (to link remote workers with office-based experts using audio and visual communications)	InfoDisp's Camnet
Secure Access	BT Net Dial IP

Purpose of Operation

To conduct live demonstrations of the Satelan M4 satellite communications terminals and associated BT applications solutions packages.

Time and Date of Proposed Operation

As soon as it receives special temporary authorization, BTNA plans to begin conducting demonstrations and to continue demonstrating the terminal and BT's

applications over the course of the next four to six months as BTNA's business needs dictate.

Class of Station

Satelan M4 satellite communications terminals

Nature of Service

Inmarsat Maritime Mobile Communications Service

Location of Proposed Operation

Entire United States

Equipment to be Used, Including Name of Manufacturer, Model and Number of Units

80 units of the Nera WorldCommunicator M4 terminal and 20 units of the Thrane & Thrane Capsat Messenger

Frequency(ies) to be Used

Tx frequency: 1626.5-1660.5 MHz
Rx frequency: 1525-1559 MHz

Effective Radiated Power

25 dBW

Emission Type

16-QAM

Overall Height above Ground of Antenna Structure (if Greater than Six Meters)

Less than six meters even when antenna is pole-mounted

For the reasons described above, BTNA respectfully requests that the Commission grant BTNA special temporary authority so that BTNA may demonstrate the Satelan M4 terminals and associated applications as soon as possible.

Kindly date-stamp and return the extra copy of this filing. Please direct any inquiries regarding this filing to the undersigned at (703) 707-4498.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'A. Sheba Chacko', with a horizontal line underneath the name.

Ms. A. Sheba Chacko
Senior Regulatory Counsel, North America

cc: James Burtle, Experimental Licensing Branch, OET

bcc: Pat Impellizeri