



RECEIVED

MAY 15 1996

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARYGTE Government Systems Corporation
77 "A" Street
Needham Heights, MA 02194-2892
617 455-3319
Facsimile 617-455-3784

Legal Department

April 25, 1996

Mr. John Morgan
Office of Engineering and Technology
Federal Communications Commission
2000 M Street, N.W., Room 230
Washington, D.C. 20544-1600

Dear Mr. John Morgan

Transmitted herewith is an FCC Form 442. The purpose of this submittal is to request a license to continue experimental work begun under a Special Temporary Authorization license held by GTE Government systems Corp., file number S-1871-EX-95, Call Sign KA2XOR, which expired on 1 February 1996. This is a request to allow continued testing under a full license for experimental operation of existing equipment plus a set of 1.8 m VSAT dishes to form a two-way satellite link, in accordance with the Code of Federal Regulations, Title 47, Part 5. Transmission over the up and down links, using offered time on Spacenet 3, will be direct spread spectrum transmission of voice, digitized voice and pseudorandom data sequences for performance measurement. The changes are the movement of the existing equipment from Building 5 to Building 6 and the inclusion of up to five new 1.8 m VSAT terminals, co-located on the roof of Building 6. The new terminals will be introduced over the license period.

Experimental authorization is requested to conduct the following type of operations as delineated in part 5, paragraph 5.202:

5.202 (a) "*Experimentation in scientific or technical radio research*" in the particular areas of determining link performance for BPSK and QPSK spread spectrum transmission at C-band with VSAT antennas.

5.202 (h) We are pursuing the "*Development of radio techniques, equipment and engineering data which are not related to existing or proposed services including field testing, and calibration of such equipment.*" (paraphrased)

A check in the amount of forty-five dollars (\$45.00) to cover the cost of the filing fee is included with this transmittal.

If you have any questions, please call Suzanne Carmel, Manager, Regulatory affairs, GTE Washington, D.C. Office, at 202-463-5295.

Very truly yours,


Kevin T. Gammons
Assistant Secretary

enc.

cc: FCC File
Ms. Suzanne Carmel — GTE, Washington, D.C.
Mr. J. Edward Joeckel — GTE GSC, Mountain View, CA
Mr. Jerry Foil — GTE GSC, Mountain View, CA

A part of GTE Corporation