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Federal Communications Commission  
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Domestic Facilities Division  
Satellite Radio Branch

GTE Spacenet Corporation  
1700 Old Meadow Road  
McLean, VA 22102  
(703) 848-1515

Terri B. Natoli  
Industry Relations Manager

May 18, 1990

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41 - DSS - MP/ML-90

Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W., Room 222  
Washington, D.C. 20554

Re: GTE Spacenet Corporation Application For Modification of Licenses for the  
RDSS Payloads Aboard the SPACENET III and GSTAR III Satellites  
File No: 1553-DSS-MP/ML-86  
650-DSS-MP/ML-86  
829-DSS-MP/ML-88

Dear Ms. Searcy:

Transmitted herewith on behalf of GTE Spacenet Corporation is an original and  
required copies of its Application for Modification of the above referenced  
licenses.

Should any questions arise, please contact the undersigned at 703-848-1515.

Sincerely,

*Terri B. Natoli*  
Terri B. Natoli

Enclosure

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MAY 18 1990

Federal Communications Commission  
Office of the Secretary

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

In the Matter of )  
GTE SPACENET CORPORATION )  
For Modification of Licenses for the RDSS ) File Nos: 1553-DSS-MP/ML-86  
Payloads Aboard the SPACENET III and ) 650-DSS-MP/ML-86  
GSTAR III Satellites ) 829-DSS-MP/ML-88

Application for Modification of Licenses

GTE Spacenet Corporation ("GTE Spacenet") pursuant to Title III of the Communications Act of 1934, as amended, 47 C.F.R. § 301 et. seq. hereby requests that the Commission modify the licenses for the three Radiodetermination Satellite Service ("RDSS") payloads aboard the SPACENET III and GSTAR III satellites to enable these payloads to receive signals from RDSS user terminals located at any foreign point within the nominal service area of these relays.

1. GTE Spacenet has been authorized to carry RDSS receive-only relays aboard its SPACENET III and GSTAR III satellites<sup>1</sup> to enable its customer Geostar Positioning Corporation ("Geostar") to provide interim RDSS service to the public pending the operation of Geostar's dedicated RDSS facilities. Two of these payloads are currently authorized to receive signals from domestic U.S. points

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<sup>1</sup> GTE Spacenet Corporation 1 FCC Rcd. 1163 (1986), Mimeo 5175 (June 16, 1986), DA 88-1265 (August 15, 1988) and DA 89-1506 (December 6, 1989).

only,<sup>2</sup> while the third is authorized to receive signals from RDSS stations in South American and Caribbean areas as well.<sup>3</sup>

. On April 4, 1989, Geostar filed an application<sup>4</sup> requesting inter alia authority to provide service to land, air and water users located in Alaska, Canada, Mexico, the Caribbean Islands and Central and South America over both its interim and dedicated facilities. This application is still pending. On May 15, 1990, Geostar filed an application<sup>5</sup> requesting Special Temporary Authority ("STA") to provide interim RDSS service to Canada via the GTE Spacenet facilities it uses to provide its interim domestic RDSS service. In order for Geostar's STA and pending permanent application to extend the service area of the RDSS payloads to be granted, it is necessary that GTE Spacenet obtain the requisite Commission authority to permit the SPACENET III and GSTAR III RDSS payloads to receive L-Band signals from all those extended coverage area foreign locations within the predicted service area of the RDSS payloads. (See Attachment 1)

2. GTE Spacenet hereby requests that the Commission modify the licenses for the SPACENET III and two GSTAR III RDSS payloads to permit these payloads

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<sup>2</sup> GTE Spacenet Corporation 1 FCC Rcd. 1163 (1986) and Mimeo No. 5175 (June 16, 1986).

<sup>3</sup> GTE Spacenet Corporation, DA 88-1265 (August 15, 1988) and DA 89-1056 (December 6, 1989).

<sup>4</sup> Geostar Positioning Corporation, File Nos. 1145/1146/1147-DSS-MP-89 and CSS-89-003-(3), April 4, 1989.

<sup>5</sup> Letter from Robert D. Briskman, Geostar Positioning Corporation, to John J. Coles, International Facilities Division, Re: Special Temporary Authorization For Provision of Interim RDSS Services to Canada - Application File No. 1145/1146/1147-DSS-MP-89 and CSS-89-003(3).

to receive signals from RDSS mobile units located within the entire extended coverage area of these payloads. These signals will be transmitted from the RDSS mobile unit at 1618.25 MHz (L-Band) and then relayed to Geostar's domestic U.S. receiving earth station in the 11.7 - 12.2 GHz band. Grant of this application will allow Geostar to extend the benefits of its interim RDSS service to a wider range of users currently seeking to obtain this service.

3. Grant of this application requires no modification to the technical parameters of the SPACENET III or GSTAR III satellites, nor does it alter the interference environment to adjacent domestic satellite operators or users.

4. As stated by Geostar in its May 15, 1990 STA request, grant of this application will not require any additional consultations with Intelsat or Inmarsat. Consultations have been completed under Article XIV(e) of the Intelsat Agreement and Article 8 of the Inmarsat Agreement for the RDSS payloads aboard SPACENET III and GSTAR III.<sup>6</sup> Because this extension of Geostar's service via the RDSS payloads to Canada, Mexico, the Caribbean and Central and South America involves no material change from previously supplied technical parameters and does not alter the interference environment to or from Intelsat or Inmarsat satellites, no additional consultations are necessary.

5. Grant of this application to permit facilities to be used for "Transborder" RDSS is consistent with the policies articulated by the Commission

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<sup>6</sup> See, GTE Spacenet Corporation, Mimeo No. DA 89-1506 (December 6, 1989); see also, Letter from Director, Office of Satellite and Cable Policy, Department of State to Chief, International Facilities Division, FCC (August 30, 1989).

in Transponder Satellite, 88 FCC 2d. 258 (1981) wherein the Commission authorized domestic satellites to provide a wide range of fixed-satellite services throughout North and Central America and parts of South America which fell within the natural footprint of the satellite.

Wherefore, for the foregoing reasons GTE Spacenet Corporation submits that the proposed modification request will serve the public interest and requests that the Commission grant this application.

Respectfully submitted,  
GTE SPACENET CORPORATION

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May 18, 1990

CERTIFICATE OF SERVICE

I, Karen M. Cameron, hereby certify that copies of the foregoing Application were hand carried this 18th day of May, 1990, to the following:

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Common Carrier Bureau  
Federal Communications Commission  
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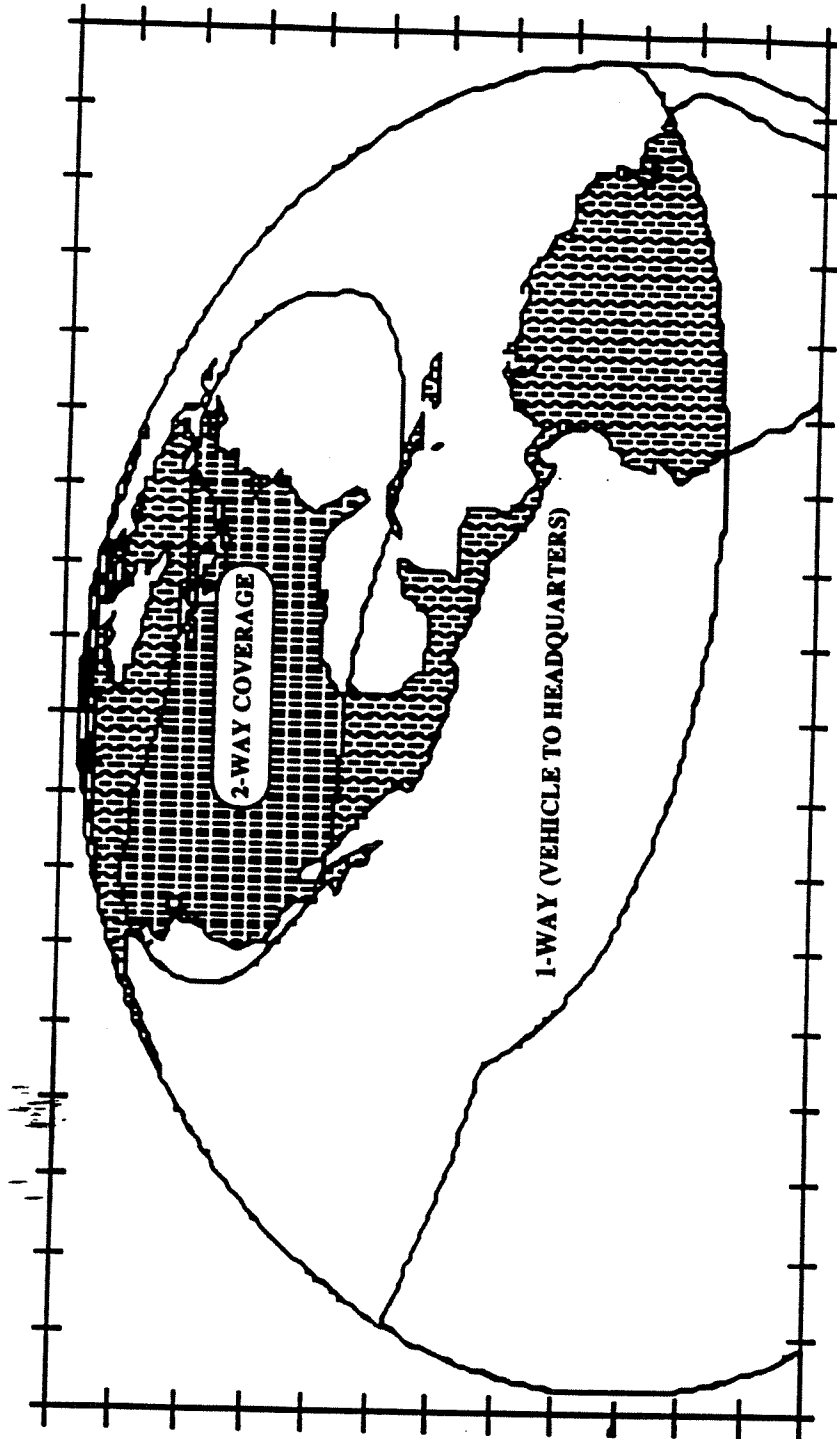
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**FIGURE 1. GPC'S CURRENTLY PREDICTED RDSS SERVICE AREA**