

transfer from E900081 to E990316



E990316 SES-STA-20000811-01405  
VISTAR DATA COMMUNICATIONS, INC.  
VARIOUS

**Granted**

date: 8/12/00 to 2/12/01

August 11, 2000

authorized by:

VIA COURIER DELIVERY TO MELLON BANK

Signature 10/25/00  
signature

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
The Portals  
445 Twelfth Street, SW  
Washington, D.C. 20554

AUG 17 2000

Satellite and  
Radiocommunications Division  
International Bureau

**Re: Request for Extension of Special Temporary Authority;  
Request for Assignment of Special Temporary Authority from  
Motient Services Inc. to Vistar Data Communications, Inc.;**  
FCC File No. SES-STA-20000209-00208

Dear Ms. Roman Salas:

Motient Services Inc. ("Motient," formerly AMSC Subsidiary Corporation) and Vistar Data Communications, Inc. ("Vistar") jointly request that the Commission extend for an additional six months Motient's above-captioned special temporary authority ("STA") to operate 10,000 half-duplex mobile earth terminals ("METs") with a transmit bandwidth of 20 kHz, and then assign this STA from Motient to Vistar. Grant of these STA extension and assignment requests is in the public interest, as it will permit the continued use of these spectrum-efficient terminals for transmission of transmit alarm and positional data and other low-data-volume traffic from mobile units such as trucks, trailers, freight cars, and similar vehicles.

The above-captioned STA was originally granted to Motient on February 12, 1999, and this authorization has since been extended through August 12, 2000. On July 21, 1999, Vistar, the manufacturer of these METs, filed its own application for blanket authorization to operate up to 100,000 of these half-duplex terminals in the lower L-band (1530-1544/1626.5-1645.5 MHz) over Motient's space segment. See File No. SES-LIC-19990722-01281. In the interest of administrative efficiency, Motient and Vistar now ask

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that the instant STA be assigned to Vistar and associated directly with its underlying application. (Vistar's qualifications to be a U.S. licensee and hold the requested STA are contained in its underlying blanket license application.) Grant of this request, along with a six-month extension, will allow Vistar to operate the METs at issue until February 12, 2000.

Because of the nature of their traffic and their efficient design, Vistar's terminals use very little spectrum; up to 50,000 Vistar terminals can operate on a single 20 kHz transmit channel and 5 kHz receive channel. Moreover, the Vistar terminals will operate within the technical parameters permitted for METs operating over Motient's space segment in the lower L-band. The level of out-of-band and spurious emissions from these terminals conforms to Section 25.202(f) of the Commission's rules and to the Memorandum of Understanding among the FCC, NTIA, and the FAA, thus providing sufficient protection to GPS and Glonass.

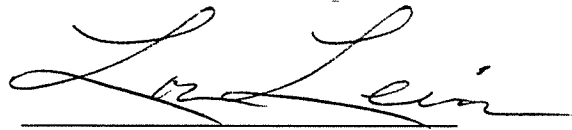
These terminals also comply with the Commission's proposed limits on out-of-band emissions from terminals operating in the MSS L-band. Specifically, the Vistar terminals satisfy the Commission's proposed out-of-band emissions limit of -70 dBW/MHz averaged over any 20 ms period for wide band emissions occurring between 1559-1605 MHz and -80 dBW/700 Hz for narrow band emissions occurring between 1559-1605 MHz, over a measurement bandwidth of 700 Hz. *See* Amendment of Parts 2 and 25 to Implement the Global Mobile Personal Communications by Satellite (GMPCS) Memorandum of Understanding and Arrangements, *Notice of Proposed Rulemaking*, IB Docket No. 99-67, RM No. 9165 (rel. March 5, 1999).

A check in the amount of \$135.00, payable to the Federal Communications Commission, is enclosed to cover the requisite filing fee. Motient and Vistar hereby certify that no party to this application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a).

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Please address any questions concerning this matter to the undersigned parties.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Lon C. Levin". The signature is written in black ink and is positioned above a horizontal line.

Lon C. Levin  
Vice President and Regulatory Counsel  
Motient Services Inc.  
(703) 758-6155

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David Sward  
General Manager and Chief Operating Officer  
Vistar Data Communications, Inc.  
(610) 491-9564

cc: Sylvia Lam  
Frank Peace  
Tom Tycz

Ms. Magalie Roman Sales  
August 11, 2000  
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Please address any questions concerning this matter to the undersigned parties.

Very truly yours,

---

Len C. Levin  
Vice President and Regulatory Counsel  
Mortis Services Inc.  
(703) 758-6155

*Ken Knight for Dave Sward*  
Dave Sward *B/H/OC*  
General Manager and Chief Operating Officer  
Vistar Data Communications, Inc.  
(610) 491-9564

*KEN KNIGHT*  
Director of Operations  
Vistar Datacom

cc: Sylvia Lam  
Frank Peace  
Tom Tycz