

See Also:  
SAT - MOD - 20050204-00025  
SAT - AMP - 20050323-00071  
SAT - STA - 20041217-00224



File # SAT-STA-20050406-00080  
*with attached conditions*

Call Sign KS35 Grant Date April 27, 2005  
(or other identifier)

From 4/10/2005 Term Dates To: 4/27/2005 Approved by OMB 3060-0678

Approved: [Signature] Chief of Station  
Robert G. Nelson Engineering Branch

Date & Time Filed: Apr 6 2005 5:11:16:123PM  
File Number: SAT-STA-20050406-00080  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Intelsat - MARISAT-F2 - STA Extension Request

1. Applicant

<b>Name:</b>	Intelsat LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7860
<b>Street:</b>	c/o Intelsat Global Svc. Corp. 3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall		

## ATTACHMENT

### MARISAT-F2

**SAT-MOD-20050204-00025**

**SAT-AMD-20050323-00071**

**SAT-STA-20041217-00224**

**SAT-STA-20050406-00080**

**Call Sign: KS35**

**April 27, 2005**

Intelsat LLC's ("Intelsat") requests, File No. SAT-MOD-20050204-00025, as amended by SAT-AMD-20050323-00071, for authority<sup>1</sup> and SAT-STA-20050406-00080 for extension of temporary authority to provide UHF capacity on a non-interference basis via its MARISAT-F2 satellite at 33.9° W.L. orbital location (Call Sign KS35) ARE GRANTED. Accordingly, Intelsat is authorized to operate the MARISAT satellite in the UHF Narrowband Channel A (307.750 MHz Center Frequency (uplink) and 254.150 MHz Center Frequency (downlink)) and the UHF Narrowband Channel B (311.150 MHz Center Frequency (uplink) and 257.550 MHz Center Frequency (downlink)) ("UHF bands") on a non-interference basis until May 30, 2006<sup>2</sup>, in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Federal Communications Commission's Rules.

(1) Intelsat shall ensure that coordination of its UHF band operations at the 33.9° W.L. orbital location with existing satellites has been completed such that no unacceptable interference results from the operation of MARISAT at the 33.9° W.L. orbital location in the UHF bands.

(2) While operating at the 33.9° W.L. orbital location in the UHF bands, no harmful interference shall be caused by the MARISAT satellite to any other lawfully operating satellites or radiocommunication systems. Operations of the MARISAT satellite in the UHF bands shall cease immediately upon notification of such interference and Intelsat shall inform the Commission in writing immediately of such an event.

(3) While operating the MARISAT satellite in the UHF bands at the 33.9° W.L. orbital location, Intelsat is required to accept interference from other lawfully operating in-orbit satellites or other radiocommunication systems.

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<sup>1</sup> The Commission has previously authorized Intelsat to operate the MARISAT-F2 satellite at 33.9° W.L. orbital location and to provide C- and L-band service to the National Science Foundation. See Authorizations Granted, Applications of Comsat General Corporation, Lockheed Martin Global Telecommunications LLC, Comsat New Services, Inc., Intelsat LLC, and Intelsat MTC LLC to Assign Licenses and Authorizations and Request for a Declaratory Ruling on Foreign Ownership, DA 04-3418 (Oct. 27, 2004) (Public Notice).

<sup>2</sup> The authority for the Marisat-F2 satellite's operation at 33.9°W.L. was provided by order DA 00-1828 (August 14, 2000). The authority granted in that order expires August 13, 2015.

- (4) Any action taken or expense incurred as a result of operations pursuant to this authority is solely at Intelsat's risk.
- (5) This grant does not convey to Intelsat any authority to operate another satellite at the 33.9° W.L. orbital location in the UHF bands or any priority in the U.S. application-processing queue relative to applications for authority to operate a regularly authorized satellite at this orbital position in the UHF bands.
- (6) Intelsat is required to inform its customers utilizing the UHF bands in writing, including end-users receiving service from resellers accessing capacity on MARISAT, that UHF service is being provided until May 30, 2006 pursuant to a grant on a non-harmful interference basis as specified above.
- (7) Intelsat's request to waive the table of allocations to the extent necessary to operate on a non-interference basis in the UHF bands is granted.
- (8) This grant shall be limited to the purpose described in Intelsat's application, *i.e.*, support of NATO operations.
- (9) This grant is conditioned upon the concurrence of National Telecommunications and Information Administration (NTIA) in the use of UHF bands. If NTIA withdraws its concurrence, the grant will be cancelled effective upon the date NTIA withdraws its concurrence.
- (10) Intelsat must operate pursuant to the requirements set forth in the April 14, 2005 letter from Frederick R. Wentland, Associate Administrator, Office of Spectrum Management, NTIA to Donald Abelson, Chief, International Bureau, Federal Communications Commission.
- (11) With this grant, Intelsat's request for Special Temporary Authority SAT-STA-20041217-00224 is DISMISSED as MOOT.
- (12) This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Telecommunications and**  
**Information Administration**  
Washington, D.C. 20230

APR 14 2005

Mr. Donald Abelson  
Chief of the International Bureau  
Federal Communications Commission  
445 12th Street SW  
Washington, D.C. 20554

Dear Mr. Abelson:

In their application of February 4, 2005, INTELSAT, as Manager for the MARISAT system, has requested that the Federal Communications Commission ("Commission") modify their authorization to allow them to provide UHF communications from their MARISAT space station located at 33.9W.<sup>1</sup> The specific frequencies being requested are four 25-kHz channels centered on 307.750 MHz (Earth-to-space), 311.150 MHz (Earth-to-space), 254.150 MHz (space-to-Earth), and 257.550 MHz (space-to-Earth). This request is in support of NATO through Paradigm Secure Communications. On April 8, 2005 the Commission informed National Telecommunications and Information Administration (NTIA) that this conditional license will expire on May 30, 2006. INTELSAT has stated that these operations will be conducted on a non-interfering basis.

Currently, these MARISAT UHF operations are being conducted under a Special Temporary Authority (STA) which is to expire on April 10, 2005.<sup>2</sup> NTIA concurred to this STA after consultations with the Department of Defense (DoD).<sup>3</sup> DoD has stated that they could support this INTELSAT request contingent on operating conditions that have been agreed with the INTELSAT customer for the STA. Concerning these conditions, DoD has clarified to NTIA that the condition of NATO operating user terminals East of 20W when transmitting to the MARISAT satellite is limited to the frequency 307.75 MHz.

With the understanding that the conditional license will be granted under the same terms of the existing STA, NTIA has no objection to the FCC authorizing the UHF operations sought by INTELSAT. However, NTIA retains the right to withdraw frequency authorization for this authorization, e.g., if the MARISAT capacity would be needed to meet US defense requirements.

<sup>1</sup> Space Station Application from Patrick J. Cerra, Vice President, INTELSAT LLC, to Federal Communications Commission dated February 4, 2005.

<sup>2</sup> See Commission File SAT-STA-20041217-00225 dated February 11, 2005.

<sup>3</sup> Letter from Frederick R. Wentland, Associate Administrator, Office Spectrum Management to Donald Abelson, Chief of the International Bureau dated January 24, 2005.

<sup>4</sup> Letter from Badri A. Younes, Director, Spectrum Management, Networks and Information Integration, Office of the Assistant Secretary of Defense to Frederick R. Wentland, Associate Administrator, Office Spectrum Management dated January 19, 2005.

NTIA's consideration of this authorization is limited to the existing customer. Any other proposed use of the MARISAT UHF capacity will require further coordination.

If you have any questions, please contact Edward Davison (202-482-5526; [edavison@ntia.doc.gov](mailto:edavison@ntia.doc.gov)).

Sincerely,

A handwritten signature in black ink, appearing to read "F. Wentland", written over a horizontal line.

Frederick R. Wentland  
Associate Administrator  
Office of Spectrum Management

2. Contact

<b>Name:</b>	Jennifer D. Hindin	<b>Phone Number:</b>	202-719-4975
<b>Company:</b>	Wiley Rein & Fielding LLP	<b>Fax Number:</b>	202-719-7049
<b>Street:</b>	1776 K Street, NW	<b>E-Mail:</b>	jhindin@wrf.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20006 -
<b>Contact Title:</b>	Partner	<b>Relationship:</b>	Legal Counsel

(If your application is related to an application filed with the Commission, enter the file number below.)

3. Reference File Number SATSTA2004121700225

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).  
 Governmental Entity    Noncommercial educational licensee  
 Other (please explain):

4b. Fee Classification CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location                       Extend Expiration Date                       Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date

2005-06-09 00:00:00.0

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Intelsat LLC herein requests a 60-day extension, until June 9, 2005, of the Special Temporary Authority granted on February 11, 2005, to enable Intelsat LLC to continue to provide UHF Space Segment capacity on a non-interference basis via its MARISAT-F2 satellite at 33.9 degrees W.L. in support of NATO. See attached.

9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.  Yes  No

10. Name of Person Signing  
Susan H. Crandall

11. Title of Person Signing  
Asst. General Counsel, Intelsat Global Svc. Corp.

12. Please supply any need attachments.

Attachment 1: Letter

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT  
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION  
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

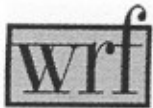
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**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**





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April 6, 2005

Jennifer D. Hindin  
202.719.4975  
jhindin@wrf.com

**VIA ELECTRONIC FILING**

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 - 12th Street, SW  
Washington DC 20554

**Re: Request for 60-day Extension of Special Temporary Authority for  
MARISAT-F2 UHF Transponders; Call Sign KS-35  
File No. SAT-STA-20041217-00225**

Dear Ms. Dortch:

Intelsat LLC ("Intelsat"), by its attorneys and pursuant to 47 C.F.R. § 25.120, hereby requests that the Federal Communications Commission ("FCC") extend for 60 days, until June 9, 2005, the Special Temporary Authority ("STA") granted on February 11, 2005<sup>1</sup> to enable Intelsat to continue to provide UHF Space Segment capacity on a non-interference basis via its MARISAT-F2 satellite at 33.9° W.L. in support of the North Atlantic Treaty Organization ("NATO").<sup>2</sup>

The FCC previously authorized Intelsat to operate the MARISAT-F2 satellite at 33.9° W.L. and to provide C- and L-band service to the National Science Foundation.<sup>3</sup> On February 4, 2005, Intelsat filed an application seeking modification of its license to enable it to provide UHF Space Segment capacity on a non-interference basis at 33.9° W.L.<sup>4</sup> On February 11, 2005, Intelsat obtained STA,

<sup>1</sup> See *Request for Special Temporary Authority for Marisat-F2*, Call Sign KS-35, File No. SAT-STA-20041217-00225 (stamp grant by Robert Nelson, FCC, provided on February 11, 2005, with conditions).

<sup>2</sup> Intelsat has filed its STA extension request, this supporting letter, an FCC Form 159 and a \$735.00 filing fee electronically via the International Bureau's Filing System.

<sup>3</sup> See *Authorizations Granted, Applications of Comsat General Corporation, Lockheed Martin Global Telecommunications LLC, Comsat New Services, Inc., Intelsat LLC, and Intelsat MTC LLC to Assign Licenses and Authorizations and Request for a Declaratory Ruling on Foreign Ownership*, DA 04-3418 (Oct. 27, 2004) (Public Notice).

<sup>4</sup> See *Application of Intelsat LLC to Modify Authorization to Operate the MARISAT-F2 Satellite at 33.9° W.L.*, File No. SAT-MOD-200500204-00025 (filed

## Wiley Rein & Fielding LLP

Ms. Marlene H. Dortch

April 6, 2005

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until April 10, 2005, to provide the requested UHF service. Because its modification application remains pending, Intelsat seeks extension of the current STA.

The UHF channel characteristics are the same as those authorized in the present STA and requested in the pending modification application:

### Narrowband Channel A:

Up-link: 307.75 MHz Center Frequency

Down-link: 254.15 MHz Center Frequency

Band-width: 24 kHz

EIRP: 23 dBW

EIRP pattern varies less than 1 dB over the earth's surface.

G/T: -18 dB/K

SFD: -151 dBW/m<sup>2</sup>

Pole: RHCP

Beam: Global

### Narrowband Channel B:

Up-link: 311.15 MHz Center Frequency

Down-link: 257.55 MHz Center Frequency

Band-width: 24 kHz

EIRP: 23 dBW

EIRP pattern varies less than 1 dB over the earth's surface

G/T: -18 dB/K

SFD: -151 dBW/m<sup>2</sup>

Pole: RHCP

Beam: Global

Prior to the grant of the existing STA, the National Telecommunications and Information Administration ("NTIA") approved this service in a letter to the FCC dated January 24, 2005. NTIA and the Joint Spectrum Center coordinated these frequencies within the Department of Defense and with NATO and the United

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Feb. 4, 2005), as amended File No. SAT-AMD-20050323-00071 (filed Mar. 23, 2005).

Wiley Rein & Fielding LLP

Ms. Marlene H. Dortch  
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Kingdom's Ministry of Defence to minimize the risk of harmful interference to other UHF spectrum users. In the event of unforeseen excess interference to adjacent networks, Intelsat will take immediate action to eliminate the source of such interference.

The requested STA extension will serve the public interest by allowing Intelsat to continue to meet the communications requirements of NATO. This, in turn, promotes the interest of the U.S. Government in ensuring the safety of its citizens. Accordingly, there is good cause to grant this request.

Please direct any questions to Susan Crandall at (202) 944-7848 or to the undersigned.

Very truly yours,

*/s/ Amy E. Bender*

Jennifer D. Hindin  
Amy E. Bender  
*Counsel for Intelsat LLC*

cc: Tom Tycz (via e-mail)  
Andrea Kelly (via e-mail)  
Bob Nelson (via e-mail)  
Karl Kensinger (via e-mail)