

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA to operate MSAT-1/2 prior to grant - E060351 (Jun 2012)

1. Applicant

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<b>City:</b>	Bedminster	<b>State:</b>	NJ
<b>Country:</b>	USA	<b>Zipcode:</b>	07921 -1538
<b>Attention:</b>	Mr George Wazeter		



30 days "with conditions"  
File# SES-STA-20120620-00607  
Call Sign E060351 Grant Date 07/25/2012  
(or other identifier) Term Dates  
From 07/25/2012 To 08/23/2012  
Approved: Paul E. Blawie

Applicant: Telesat Network Services, Inc.

Call Sign: **KA399/E060351**

File No.: **SES-STA-20120620-00606/SES-STA-20120620-00607**  
Special Temporary Authority (STA)

Telesat Network Services, Inc. (Telesat) is granted STA for a 30-day period with the following conditions:

1. TT&C operations with MSAT-1 and MSAT-2, at 103.3° W.L. and 106.5° W.L., respectively are for back-up TT&C duty purposes only. Operations, for this capability only, were authorized verbally on July 3, 2012.
2. TT&C frequencies are 14000.5 MHz and 14499.5 MHz on the 700KF9D transmit carrier that are used by MSAT-1 and MSAT in addition to the pending modifications of KA399 and E060351.
3. Operations under this authority are on a non-interference basis only.
4. Operations under this authority are on a non-protected basis only.
5. In the event that there is a report of interference, Telesat must immediately terminate transmissions and notify the FCC in writing.
6. This is granted without prejudice to any future FCC enforcement action in connection with any unauthorized operation of radio facilities.

*30 days "with conditions"*



*File# SES-STA-20120620-00607*

*Call Sign E060351 Grant Date 07/25/2012*  
*(or other identifier)*

*From 07/25/2012 To 08/23/2012*  
Term Dates

*Approved: Paul E. Blue*

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

(CALL SIGN E060351)

**Introduction**

Pursuant to Section 25.120 of the Commission's rules, Telesat Network Services, Inc. ("Telesat") hereby requests Special Temporary Authority ("STA"), beginning on or before July 3, 2012, to operate its earth station hub, licensed under Call Sign E060351, in the manner described herein for a period of 30 days. Telesat has pending an application to modify its license for E060351,<sup>1</sup> which modification it submitted based on recent developments. Telesat seeks authority in this STA request to implement on an interim basis the changes proposed in its modification application.

In particular, Telesat has imminent need for authority to: (1) add MSAT-1 and MSAT-2 as points of communication; and (2) operate the 4.6-m hub antenna on two additional frequencies, which are in the standard Ku-band band, using the 700KF9D transmit carrier and 138KGXD receive carrier. For reasons stated below, Telesat's STA request is support by good cause.

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<sup>1</sup> Submitted Jun. 20, 2012 (no file number issued yet).

## Discussion

### *Adding MSAT-1 and MSAT-2 as Points of Communication/Adding Two Standard Ku-band Frequencies and TT&C Carriers*

Telesat's U.S. teleport operations group was recently informed that it would be assuming back-up TT&C duty for LightSquared's MSAT-1 and MSAT-2 satellites, at 103.3° W.L. and 106.5° W.L., respectively. The satellites are currently controlled from a Canadian-licensed facility, but the lease for that facility has been terminated with an effective date of July 9, 2012. In anticipation of the need to shift TT&C operations, LightSquared recently engaged Telesat to provide back-up TT&C to these satellites at Telesat's Mt. Jackson hub, which duty will commence by July 9.<sup>2</sup> Telesat is respectfully requesting STA on or before July 3, to provide it with just under a week to coordinate and implement the transition of the TT&C operations from the facility in Canada to Telesat's facility. Facilitating continuity of TT&C operations is unquestionably in the public interest.

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<sup>2</sup> In order to enhance control over MSAT-1 and MSAT-2, Telesat has been engaged to provide back-up TT&C service from two separate antennas, with one antenna primarily dedicated to each satellite. To ensure the fullest possible use of its resources, Telesat is seeking authority to add both satellites as a point of communication to each of the two antennas. Doing so will also permit Telesat to use either antenna for "ranging" operations, wherein it is able to track both or either satellite from either antenna. Telesat has prepared and is submitting concurrently herewith a second application and matching STA request seeking appropriate authority for the second antenna (Call Sign KA399).

Telesat's earth station authorization currently lacks authority for MSAT-1,<sup>3</sup> licensed by Canada, and MSAT-2, licensed by the United States, as points of communication. Accordingly, Telesat requests authority under its STA to add both satellites as points of communication.

Furthermore, Telesat's earth station is not authorized to operate on the two frequencies (14000.5 MHz and 14499.5 MHz) on the 700KF9D transmit carrier and 138KGXD receive carrier that are used by MSAT-1 and MSAT-2 for TT&C. Telesat is requesting authority for these additional frequencies on those carriers in its modification application, and seeks authority herein to implement these changes on an interim basis.

### **Conclusion**

Accordingly, and for good cause shown, Telesat respectfully requests that its STA request be granted.

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<sup>3</sup> MSAT-1 is foreign satellite authorized by Industry Canada. Telesat does not contemplate herein to communicate with MSAT-1 except to provide TT&C services and to perform satellite ranging. Furthermore, the information normally required under 47 C.F.R. § 25.137 and in response to Question 42 of the Main Form of FCC Form 312 for foreign-licensed satellites has already been provided to and approved by the Commission in prior applications, and Telesat hereby incorporates that information by reference. See, e.g., *Applications of SatCOM Systems, Inc., et al.*, 14 FCC Rcd 20798 (1999); see also *In the Matter of Motient Services Inc. and TMI Communications and Company, LP, Assignors, and Mobile Satellite Ventures Subsidiary LLC, Assignee*, 16 FCC Rcd 20469 (2001); *In the Matter of Motient Corporation and Subsidiaries, Transferors, and SkyTerra Communications, Inc., Transferee*, 21 FCCRcd 10198 (2006).

**2. Contact**

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<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -
<b>Attention:</b>		<b>Relationship:</b>	Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SESMFS2007050200541 or Submission ID

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    CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date  
07/03/2012

7. CityMount Jackson	8. Latitude (dd mm ss.s h) 38 43 42.0 N
9. State VA	10. Longitude (dd mm ss.s h) 78 39 28.0 W
11. Please supply any need attachments. Attachment 1: STA    Attachment 2:    Attachment 3:	
12. 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.) <div style="border: 1px solid black; padding: 10px; min-height: 100px;">           Applicant hereby seeks authority to         </div>	
13. 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. <span style="float: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </span>	
14. Name of Person Signing George Wazeter	15. Title of Person Signing Director, Regulatory Affairs
<p style="text-align: center;"> <b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b>            (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).         </p>	

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