

KA399 SES-STA-20111007-01198 IB2011004538  
Telesat Network Services, Inc.

Approved by OMB  
3060-0678

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 15-m over T14 to test (October 2011)

1. Applicant

|                   |                                |                      |                       |
|-------------------|--------------------------------|----------------------|-----------------------|
| <b>Name:</b>      | Telesat Network Services, Inc. | <b>Phone Number:</b> | 908-698-4882          |
| <b>DBA Name:</b>  |                                | <b>Fax Number:</b>   | 908-719-0226          |
| <b>Street:</b>    | 135 Routes 202/206             | <b>E-Mail:</b>       | rcondurso@telesat.com |
| <b>City:</b>      | Bedminster                     | <b>State:</b>        | NJ                    |
| <b>Country:</b>   | USA                            | <b>Zipcode:</b>      | 07921 -1538           |
| <b>Attention:</b> | Mr Robert Conurso              |                      |                       |



*"With conditions"*  
File# SES-STA-20111007-01198

Call Sign KA399 Grant Date 10/12/2011  
(or other identifier)

<sup>12/24</sup> Term Dates  
From 10/24/2011 To: 10/19/2011

Approved: Paul E. [Signature]

Conditions of Grant of SES-STA-20111007-01198

Telesat Network Services Inc. ("Telesat") is granted Special Temporary Authority to operate its 15-m antenna to operate KA-399 for 7 days, from October 12, 2011 through October 19, 2011, to test whether the 15-m antenna can be used as a temporary replacement for a 9-m antenna that also is licensed to operate at the Mt. Jackson teleport and that has demonstrated signs of failure. Communication with Telstar 14 satellite located at 109.2° W.L. in the 13810-13995 MHz band, with corresponding receive frequencies at 11510-11695 MHz is authorized under the following conditions:

1. Operations shall be on a non-interference and non-protected basis.
2. In the event of any harmful interference, Telesat shall cease operations immediately and shall inform the Commission, in writing, immediately of such an event.
3. Personnel must be protected from radiation hazards at all times.

*"With conditions"*



File# SES-STA-2011007-01198

Call Sign KA399 Grant Date 10/12/2011  
(or other identifier)

Term Dates

From 10/12/2011 To 10/19/2011

Approved: Paul E. Baker

## REQUEST FOR SPECIAL TEMPORARY AUTHORITY

### Introduction

Pursuant to Section 25.120 of the Commission's rules, Telesat Network Services, Inc. ("Telesat") hereby requests Special Temporary Authority ("STA") to operate its 15-m antenna, which is licensed under Call Sign KA399 and is located at Telesat's teleport in Mt. Jackson, Virginia, to perform the test described below. STA is needed because during the test Telesat will be using a different point of communication, frequency band, and carrier than is specified in the license for the 15-m antenna.

Telesat has an urgent need to conduct the test so it can determine whether the 15-m antenna can be used as a temporary replacement for a 9-m antenna that also is licensed to operate at the Mt. Jackson teleport and that has demonstrated signs of failure. Accordingly, Telesat requests that its STA request be granted as soon as possible. Although the test is expected to last only 4-6 hours, out of an abundance of caution Telesat asks that its STA cover the seven-day period beginning with grant of the STA.

## Discussion

Telesat's failing 9-m antenna serves as a hub for earth stations on vessels (ESV) services. It transmits in the 13.81-14 GHz band using Telesat's Telstar 11N satellite as a point of communication.

Before Telesat's 15-m antenna can be operated as a temporary replacement for the 9-m antenna, the company needs to reconfigure the antenna for operation in the 13.81-14 GHz band and to test the antenna in that band to confirm that the reconfiguration has been successful. To that end, Telesat seeks an STA to operate its 15-m antenna using an unmodulated CW carrier in the 13810-13995 MHz band, with corresponding receive frequencies at 11510-11695 MHz (see attached Schedule B). The point of communication for this transmission is Telesat's Telstar 14 satellite located at 109.2° W.L.<sup>1</sup>

There are no potential conflicts between the proposed test and other services. Additionally, Telstar 14 is stationed over 57 degrees from the nearest TDRSS satellites, which are located at 41° W.L. and 167° W.L., and is significantly

---

<sup>1</sup> The Commission previously granted authority for a company affiliated with Telesat to use Telstar 14, also known as Estrela do Sul 1, to provide service in the United States. See *In the Matter of Loral Skynet do Brasil, Petition for Declaratory Ruling to Add Estrela do Sul 1, a Ku-band Satellite, to the Permitted Space Station List*, Order, DA 03-4095 (rel. Dec. 23, 2003; FCC File Nos. SAT-PDR-20021010-00196 and SAT-WAV-20031202-00352). Accordingly, the technical characteristics of the satellite have been reviewed and approved by the Commission. At the time, the satellite was operated at 63° W.L. and was licensed by Brazil. At its present location of 109.2° W.L., the satellite is licensed by Canada, which is a WTO member. To the extent that Section 25.137 of the rules and competitive considerations are relevant to a limited-time request for an STA, therefore, there is a presumption that grant of Telesat's STA request will enhance competition and therefore is in the public interest. See *In re Amendment of the Commission's Regulatory Policies to Allow Non-U.S. Licensed Space Stations to Provide Domestic and International Satellite Service in the United States*, Report and Order, 12 FCC Rcd. 24094, 24112 (1997).

more distant from the nearest TDRSS satellite than is the Telstar 11N satellite with which Telesat's ESV hub already communicates.

Telesat's STA request is supported by good cause. Telesat's 9-m antenna is in critical need of maintenance, and it is anticipated that this maintenance will take 30 to 60 days. Grant of Telesat's STA request will facilitate this maintenance and help ensure that Telesat can maintain continuity of service while maintenance is ongoing. Numerous maritime vessels rely on this service for an array of communications needs. Telesat also is preparing, and will file in the near future, a request for an STA to operate its 15-m antenna as a temporary replacement for its 9-m antenna.

Telesat has confirmed that there are no other adjacent satellites within six degrees of T14 at 109.2° W.L. except for ANIK F1, which is owned and operated by a Telesat affiliate. Accordingly, an internal coordination has been conducted to ensure that no interference will occur to the operations on ANIK F1 owing to the proposed test.

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

**2. Contact**

|                   |                                   |                      |                  |
|-------------------|-----------------------------------|----------------------|------------------|
| <b>Name:</b>      | Joseph A. Godles                  | <b>Phone Number:</b> | 202-429-4900     |
| <b>Company:</b>   | Goldberg, Godles, Wiener & Wright | <b>Fax Number:</b>   | 202-429-4912     |
| <b>Street:</b>    | 1229 19th Street, N.W.            | <b>E-Mail:</b>       | jgodles@g2w2.com |
| <b>City:</b>      | Washington                        | <b>State:</b>        | DC               |
| <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 SESMOD2011041500459 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

10/12/2011



**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**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.**