

## 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 a 15-m antenna, which is licensed under Call Sign KA399 and is located at Telesat's teleport in Mt. Jackson, Virginia, as a temporary replacement for its 9-m antenna, which has exhibited signs of failure and is being taken out of service for repairs. STA is needed because during the replacement period the 15-m antenna will communicate with Telstar 11N, which is not an authorized point of communication on the license for the antenna.

Telesat recently submitted a request for an STA to conduct tests in order to confirm that it has successfully recalibrated the 15-m antenna for the temporary operations.<sup>1</sup> Assuming timely action on that STA request, Telesat expects to have completed testing and to be ready to begin repairs on its 9-m antenna by Oct. 24, 2011. Accordingly, Telesat respectfully requests an STA for the 30-day period commencing on Oct. 24, 2011.

---

<sup>1</sup> File No. SES-STA-20111007-01198.

## Discussion

Telesat's failing 9-m antenna serves as a hub for earth stations on vessels (ESVs). It provides this service via Telesat's Telstar 11N, which is located at 37.55° W.L.

Telesat's 15-m antenna is located immediately adjacent to the 9-m antenna, making it an ideal temporary replacement. The license for the 15-m antenna specifies a satellite at 8° W.L. as a point of communication. Telesat seeks an STA for the 15-m antenna to communicate with Telstar 11N at 37.55° W.L. during the replacement period.

While it serves as a temporary replacement, Telesat's 15-m antenna will operate using the same frequencies and power levels as the failing 9-m antenna. (see attached Schedule B for the proposed operations). Using these operating parameters, the larger 15-m antenna will have no more potential for causing adjacent-satellite interference than the 9-m antenna. Additionally, Telesat notes that the temporary operations would be covered by the existing coordination agreements with any co-channel adjacent satellites within six degrees of Telstar 11N at 37.55° W.L.

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.

Mt. Jackson is in a National Radio Quiet Zone. Accordingly, and in accordance with the requirements of Section 1.924 of the Commission's rules, Telesat notified the National Radio Astronomy Observatory (NRAO) of the technical details of the operations proposed herein.

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