

## REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Telesat Network Services, Inc. (“Telesat”), pursuant to Section 25.120 of the Commission’s rules, hereby requests extension of its Special Temporary Authority (“STA”) to continue operation of a temporary-fixed 2.4-m mobile antenna at its Mt. Jackson, VA teleport.<sup>1</sup> Telesat respectfully requests that this extension begin on January 14, 2016, for a period of 180 days, to facilitate ongoing testing of facilities that are communicating with the Telstar 12 Vantage (“T12V”) satellite.<sup>2</sup> The T12V satellite was launched on November 24, 2015. The Commission authorized Skynet Satellite Corporation, a Telesat affiliate, to operate the Telstar 12V satellite at 15° W.L.<sup>3</sup>

As background, the temporary-fixed antenna is being used to test the diversity switching functionality between the Mt. Jackson teleport and a proximate earth station site in Middletown, VA. Telesat is operating at each of those sites a 9.4-m antenna to support the services provided on the T12V satellite in the Ka-band.<sup>4</sup> In order to test and tune the switching equipment and the fiber optic link that connects the two 9.4-m antennas, the 2.4-m mobile antenna simulates a user terminal both transmitting and receiving. In addition, it uplinks a Ka-band pilot carrier that is received at the 9.4-m antennas to allow their receive patterns to be measured.

The subject antenna is located within a secured perimeter at the Mt. Jackson teleport to which only authorized employees would have access.

In its initial request, Telesat provided a radiation hazard report and a Frequency Coordination Report to demonstrate that coordination has been successfully completed with terrestrial operators in the 28 GHz band. Telesat herein incorporates those materials by reference.

Grant of this extension application will continue to serve the public interest, convenience, and necessity by allowing Telesat to test and calibrate its ground network system to support the newly launched satellite. Accordingly, and for good cause shown, Telesat respectfully requests that its STA extension be granted.

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<sup>1</sup> FCC File No. SES-STA-20151119-00861.

<sup>2</sup> Telesat anticipates that it will require a period through July 2016 to complete the subject testing and to make the appropriate network calibrations.

<sup>3</sup> FCC File No. SAT-LOA-20141010-00107.

<sup>4</sup> FCC File Nos. SES-LIC-20151014-00689 and SES-LIC-20151016-00712. The Bureau has granted Telesat Special Temporary Authority to operate the referenced 9.4-m antennas while its underlying applications for authority remain pending. *See* File Nos. SES-STA-20151119-00859 and SES-STA-20151119-00860.