

File # SAT-STA-20200316-00026

Call Sign S2462 Grant Date May 7, 2020

(or other identifier)

Term Dates

From April 3, 2020 To: 186 Days

Approved: [Signature]

Viggo W. Johnson  
Acting Chief

Satellite Policy Branch

Approved by OMB  
3060-0678



Date & Time Filed: Mar 16 2020 4:49:26:913PM  
File Number: SAT-STA-20200316-00026  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
T12 station keeping STA extension 2

I. Applicant

Name:	Skynet Satellite Corporation	Phone Number:	613-748-8700
DBA Name:		Fax Number:	
Street:	135 Route 202/206	E-Mail:	eneasmith@telesat.com
City:	Bedminster	State:	NJ
Country:	USA	Zipcode:	07921 -
Attention:	Ms Elisabeth Neasmith		

**ATTACHMENT TO GRANT**  
**Skyнет Satellite Corporation**  
**IBFS File No. SAT-STA-20200316-00026**

<b>IBFS File No(s):</b>	SAT-STA-20200316-00026	<div>GRANTED – With Conditions</div> <div></div> <div>International Bureau Satellite Division</div>
<b>Licensee/Grantee:</b>	Skyнет Satellite Corporation	
<b>Call Sign:</b>	S2462	
<b>Satellite Name:</b>	Telstar 12	
<b>Orbital Location: (required station-keeping tolerance)</b>	109.2° W.L. (± 0.10 degrees east/west)	
<b>Administration:</b>	United States of America	
<b>Nature of Service:</b>	Fixed-Satellite Service (FSS)	
<b>Scope of Grant:</b>	Special temporary authority, for a period of 180 days, to increase the station keeping tolerance of the Telstar 12 space station at the 109.2° W.L. orbital location to ±0.10 degrees.	
<b>Service Area(s):</b>	United States, Caribbean, Central America, South America. <i>See</i> Schedule S and accompanying .gxt files. IBFS File No. SAT-MOD-20160513-00050.	
<b>Frequencies:</b>	10.95-11.2 GHz (space-to-Earth) 11.45-11.7 GHz (space-to-Earth) 13.75-14.0 GHz (Earth-to-space) 14.0-14.5 GHz (Earth-to-space)	
<b>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission’s rules not waived herein. This grant is also subject to the following conditions:</b>		
<div>1. Except as provided in this special temporary authority, all other operations of Telstar 12 are pursuant to the parameters set forth in IBFS File No. SAT-MOD-20160513-00050.<sup>1</sup></div> <div>2. Skyнет is granted a waiver of section 25.210(j) of the Commission's rules, 47 CFR. § 25.210(j). Section 25.210(j) requires geostationary space stations to be “be maintained within 0.05° of their assigned orbital longitude in the east/west direction, unless specifically authorized by the Commission to operate with a different longitudinal tolerance.” Skyнет proposes to operate Telstar 12 at the 109.2° W.L. orbital location with an east-west station-keeping tolerance of ±0.10 degrees. Skyнет states that with a ±0.10° tolerance it will come no closer than .6° to the closest satellites, EchoStar 10 and EchoStar 11, and will have an even greater separation to the next closest satellite, MSAT-1, which is controlled by Skyнет’s parent Telesat. Skyнет also states that allowing Telstar 12 to operate with an increased station-keeping volume will enable Skyнет to maximize the spacecraft’s life and fuel, extending the time service may be provided by approximately six months. The operations permitted by this temporary authority shall terminate in the event that a satellite is launched into a location such that its station-keeping volume would overlap Telstar 12’s ±0.10 degree station-keeping volume, but would not overlap Telstar 12’s ±0.05 degree station-keeping volume, unless Skyнет has successfully coordinated Telstar 12’s physical operations with those of the other spacecraft.</div> <div>3. Any action taken and expense incurred as a result of operations pursuant to this grant of special authority is at Skyнет’s own risk.</div>		

<sup>1</sup> Skyнет Satellite Corporation, IBFS File No. SAT-MOD-20171106-00150 (granted March 8, 2018).



**ATTACHMENT TO GRANT**  
Skynet Satellite Corporation  
IBFS File No. SAT–STA–20200316–00026

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

<b>Action Date:</b>	May 7, 2020
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<b>Term Dates</b>	<b>From:</b> April 3, 2020	<b>To:</b> period of 180 days
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**Approved:**



John W. Whaley  
Acting Chief, Satellite Policy Branch

<b>2. Contact</b>			
<b>Name:</b>	Joseph A. Godles	<b>Phone Number:</b>	202-429-4900
<b>Company:</b>	Goldberg, Godles, Wiener & Wright LLP	<b>Fax Number:</b>	
<b>Street:</b>	1025 Connecticut Ave, NW Ste 1000	<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 SATSTA2019091100089 or Submission ID			
4a. Is a fee submitted with this application?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):			
4b. Fee Classification CRY - Space Station (Geostationary)			
5. Type Request			
<input type="radio"/> Change Station Location <input checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other			
6. Temporary Orbit Location			7. Requested Extended Expiration Date

<p>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.)</p> <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <p>Extension of STA for 180 days to permit waiver of station keeping rules to allow for a separation tolerance of +/- 0.10 deg.</p> </div>									
<p>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.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </p>									
<p>10. Name of Person Signing Elisabeth Neasmith</p>	<p>11. Title of Person Signing Director, Spectrum Management &amp; Development</p>								
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1:</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> </tr> <tr> <td colspan="2">Attachment 3:</td> </tr> <tr> <td colspan="2" style="height: 40px;"></td> </tr> </table>		Attachment 1:	Attachment 2:			Attachment 3:			
Attachment 1:	Attachment 2:								
Attachment 3:									
<p style="text-align: center;">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).</p>									



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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.**

**REQUEST FOR EXTENSION OF  
SPECIAL TEMPORARY AUTHORITY**

Skynet Satellite Corporation ("Skynet"), pursuant to Section 25.120 of the Commission's Rules,<sup>1</sup> hereby requests a 180-day extension of its special temporary authority ("STA")<sup>2</sup> permitting Skynet to operate its Telstar 12 satellite ("T12"), located at 109.2° W.L.,<sup>3</sup> with an increased station keeping tolerance  $\pm 0.10^\circ$ .

Skynet will continue to accept and operate under the conditions set forth in its latest STA request. The technical characteristics and statements made thereto remain unchanged. Moreover, Skynet agrees it will terminate operations under its STA in the event a satellite is launched into a location such that T12's station keeping volume would overlap a satellite's  $\pm 0.10$  degree station keeping volume, but would not overlap a  $\pm 0.05^\circ$  degree station keeping volume, unless Skynet has successfully coordinated its physical operations with those of the other spacecraft.<sup>4</sup>

Under present conditions, this condition should not come into play. When T12 operates with a  $\pm 0.10^\circ$  station keeping tolerance, it will come no closer than  $0.6^\circ$  to its nearest neighbors, EchoStar 10 and EchoStar 11.<sup>5</sup> There will be an even greater separation with the next closest neighbor, MSAT-1, which is controlled by Skynet's parent, Telesat.

Grant of Skynet's request is in the public interest as it will allow T12 to maximize spacecraft life and fuel, thereby extending the time during which service can be provided. Given that T12 is currently operating in inclined orbit,<sup>6</sup> the additional proposed east-west movement is small relative to the north-south daily motion and will not impact services that utilize tracking antenna systems.

Accordingly, and for good cause shown, Skynet's STA extension request should be granted.

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<sup>1</sup> 47 CFR §25.120.

<sup>2</sup> See *Stamp Grant*, Skynet Satellite Corporation, IBFS File No. SAT-STA-20190830-00086, granted Sept. 5, 2019; see also extension by *Stamp Grant*, Skynet Satellite Corporation, IBFS File No. SAT-STA-20190911-00089, granted Oct. 5, 2019 ("*Skynet Station-keeping STA*").

<sup>3</sup> Skynet Satellite Corporation, call sign S2462, IBFS File No. SAT-MOD-20171106-00150, granted Mar. 8, 2018.

<sup>4</sup> See *Skynet Station-keeping STA*, condition 2.

<sup>5</sup> The closest separation will occur when T12 and either of the other satellites are simultaneously at the closet edges of their respective station keeping boxes.

<sup>6</sup> See letter, dated April 19, 2016, from Joseph A. Godles, attorney for Skynet, to Marlene H. Dortch, Secretary, FCC.