

SAT-STA-20160725-00070
Skynet Satellite Corporation

IB2016001692



File # SAT-STA-20160725-00070

Call Sign S2462 Grant Date 07/28/16
(or other identifier)

Term Dates
From 08/08/16 To 10/05/16

Approved by OMB
3060-0678

Approved: *Stephen J. Duall*

Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: Jul 25 2016 10:41:16:343AM
File Number: SAT-STA-20160725-00070
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:

Extension of STA to operate T12 at 109.2W pending action on modification application

1. Applicant

Name:	Skynet Satellite Corporation	Phone Number:	613-748-8700
DBA Name:		Fax Number:	613-748-8712
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-20160725-00070

IBFS File No(s):	SAT-STA-20160725-00070 ¹	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Skyнет Satellite Corporation	
Call Sign:	S2462	
Satellite Name:	Telstar 12	
Orbital Location: (required station-keeping tolerance)	109.2° W.L. (± 0.05 degrees east/west)	
Administration:	United States	
Nature of Service:	Fixed-Satellite Service (FSS)	
Scope of Grant:	Skyнет is granted an extension of its special temporary authority, for 60 days, to operate the Telstar 12 space station at the 109.2° W.L. orbital location pursuant to the parameters set forth in IBFS File No. SAT-MOD-20160513-00050, as supplemented. ²	
Service Area(s):	See Schedule S, Item S8 and accompanying .gxt files in IBFS File No. SAT-MOD-20160513-00050 and condition 3 below.	
Frequencies:	10.95-11.2 GHz (space-to-Earth) 11.45-12.2 GHz (space-to-Earth) 13.75-14.0 GHz (Earth-to-space) 14.0-14.5 GHz (Earth-to-space)	
<p>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:</p> <ol style="list-style-type: none"> 1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, <i>i.e.</i>, Skyнет must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference under this grant of special temporary authority, Skyнет must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event. 2. Skyнет must maintain the Telstar 12 space station within an east-west longitudinal station-keeping tolerance of ±0.05 degrees of the 109.2° W.L. orbital location. 3. Skyнет must operate in accordance with the beam configuration 1, as specified in its supplemental filing. <i>See</i> Letter to Jose P. Albuquerque, Chief, Satellite Division, from Joseph Godles, Counsel to Skyнет Satellite Corp, July 1, 2016. 4. Skyнет’s use of the 10.95-11.2 GHz and 11.45-11.7 GHz frequency bands is limited to international operations in accordance with footnote NG52 to the United States Table of Frequency Allocations, 47 CFR § 2.106, NG52. 		

¹ Skyнет revised the requested time for this STA to from 180 days to 60 days. *See* Letter to Marlene H. Dortch, Secretary FCC, from Joseph A. Godles, Counsel for Skyнет Satellite Corporation (July 27, 2016).

² Skyнет’s previous grant of special temporary authority to operate Telstar 12 at 109.2° W.L. was granted in part, and deferred in part. *See* Policy Branch Information Actions Taken, Report No. SAT-01173, DA 16-783 (July 8, 2016). Authority to use the 13.75-14.0 GHz band was deferred pending review by the National Telecommunications and Information Administration. The STA was granted in full on July 19, 2016. *See* Policy Branch Actions Taken, Report No. SAT-01175, DA 16-832 (July 22, 2016).

ATTACHMENT TO GRANT
Skynet Satellite Corporation
IBFS File No. SAT-STA-20160725-00070

5. Sky Skynet's use of the 10.95-11.2 GHz and 11.45-11.7 GHz (space-to-Earth) frequency bands is subject to footnote US211 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.
6. In the 13.75-14.0 GHz band (Earth-to-space), receiving space stations in the FSS must not claim protection from radiolocation transmitting stations operating in accordance with the United States Table of Frequency Allocations. Pursuant to footnote US337 of the United States Table of Frequency Allocations, 47 CFR § 2.106, US337, any earth station in the United States and its possessions communicating with the Telstar 12 space station in the 13.75-13.8 GHz band (Earth-to-space) is required to coordinate earth stations in the fixed-satellite service with the National Telecommunications and Information Administration (NTIA) on a case-by-case basis in order to minimize harmful interference to the Tracking and Data Relay Satellite System's forward space-to-space link (TDRSS forward link-to-LEO).
7. Operations of any earth station in the United States and its possessions communicating with the Telstar 12 space station in the 13.75-14.0 GHz band (Earth-to-space) must comply with footnote US356 to the United States Table of Frequency Allocations, 47 CFR § 2.106, US356, which specifies a mandatory minimum antenna diameter of 4.5 meters and the maximum equivalent isotropically radiated powers (EIRP) of any emission should be at least 68 dBW and should not exceed 85 dBW. Operations of any earth station located outside the United States and its possessions communicating with the Telstar 12 space station in the 13.75-14.0 GHz band (Earth-to-space) must be consistent with footnote 5.502 to the ITU Radio Regulations, which allows a minimum antenna diameter of 1.2 meters for earth stations of a geostationary satellite orbit network and specifies mandatory power limits.
8. Operations of any earth station in the United States and its possessions communicating with the Telstar 12 space station in the 13.77-13.78 GHz band (Earth-to-space) must comply with footnote US357 to United States Table of Frequency Allocations, 47 CFR. § 2.106, US357, which specifies a maximum EIRP density of emissions of 71 dBW in any 6 MHz band for communications with a space station in geostationary-satellite orbit.³ Operations of any earth station located outside the United States and its possessions communicating with the Telstar 12 space station in the 13.77-13.78 GHz band (Earth-to-space) must comply with footnote 5.503 to the ITU Radio Regulations, which specifies a maximum EIRP density of emissions, based on the antenna diameter, for communications with a space station in geostationary-satellite orbit.
9. Skynet's request for a waiver of Section 25.114(c)(4)(vi)(A) of the Commission's rules is GRANTED. Section 25.114(c)(4)(vi)(A) requires predicted space station antenna gain contour(s) for each transmit and each receive antenna beam and nominal orbital location requested. Skynet states that it is unable to provide antenna gain contours for the Telstar 12 telemetry, tracking, and command beams because neither Skynet nor the satellite's manufacturer, Space Systems/Loral could locate copies of the information due to the age of the satellite, which was launched in 1999. Under the circumstances, we find that other parts of the application (Tables 6 and 7) provide sufficient information to evaluate the potential for harmful interference from the operation of Telstar 12.
10. Skynet must operate its telemetry, tracking, and command operations from its facility at Mt. Jackson, Virginia.
11. This grant is without prejudice to the Commission's action in IBFS File No. SAT-MOD-20160513-00050.

³ Footnote US357 places a restriction on FSS earth station operations in order to protect government operations in the band, including manned space flight. 47 CFR § 2.106, US357.

ATTACHMENT TO GRANT
Skynet Satellite Corporation
IBFS File No. SAT-STA-20160725-00070

12. Any action taken and expense incurred as a result of operations pursuant to this grant of special authority is at Skynet's own risk.

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).

**Action
Date:**

July 28, 2016

Term Dates

From:

August 8, 2016

To:

October 8, 2016

Approved:



Stephen L. Duall
Chief, Satellite Policy Branch

2. Contact

Name:	Joseph A. Godles Esq.	Phone Number:	202-429-4900
Company:	Goldberg, Godles, Wiener & Wright LLP	Fax Number:	202-429-4912
Street:	1229 Nineteenth St. N.W.	E-Mail:	jgodles@g2w2.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:		Relationship:	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 SATMOD2016051300050 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 CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
109.2 WL

7. Requested Extended Expiration Date
2017-01-07 00:00:00.0

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.)

Special Temporary Authority is requested to extend operation of T12 satellite as a point of communication at 109.2 deg WL starting August 8, 2016, for 180 days or until the application for license modification SAT-MOD-20160513-00050 can be granted, whichever is sooner.

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. Yes No

10. Name of Person Signing
Elisabeth Neasmith

11. Title of Person Signing
Director, Spectrum Management and Development

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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).

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-PER, 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.

REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORITY

Skynet Satellite Corporation ("Skynet"), pursuant to Section 25.120 of the Commission's Rules, hereby requests extension of special temporary authority ("STA") to operate Telstar 12 (call sign S2462) from its new orbital location, 109.2° WL, in accordance with the technical specifications set forth in Skynet's pending application to modify its license for Telstar 12.¹ Skynet's original STA request was granted for a term of 30 days starting July 7, 1996.² For the reasons stated below, Skynet asks for an extension of its STA commencing on August 8, 2016, for an additional term of 180 days or until the underlying modification application is granted, whichever occurs first.

Skynet is requesting an STA extension so it can provide service on an interim basis while the Telstar 12 Modification Application is pending. Skynet relocated Telstar 12 from 15° W.L. to 109.2° W.L. pursuant to STAs the Commission previously granted,³ and Skynet has been operating Telstar 12 at 109.2° WL pursuant to the Initial 109.2° WL STA. The Telstar 12 Modification Application appeared on public notice on July 8, 2016, and may not be granted by August 7, 2016, when the Initial 109.2° WL STA expires. Skynet, therefore, is seeking an STA extension.

Skynet's STA extension request is supported by good cause. Granting an extension will enable Skynet to continue to provide additional capacity to support services in the United States, the Caribbean, and Central and South America. This additional capacity redounds to the benefit of customers because of rate competition and a greater diversity of services. Grant of Skynet's STA extension request, therefore, is in the public interest.

Operating Telstar 12 at 109.2° WL, moreover, presents no interference concerns. Skynet demonstrated in the Technical Exhibit accompanying its Telstar 12 Modification Application that these operations are compatible with adjacent satellites and with stations in shared bands. In any event, operation pursuant to the STA extension requested in this filing will be on a secondary, non-interference basis. Moreover, Skynet agrees to accept the conditions associated with the grant of the Initial 109.2° WL STA.

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

¹ See File No. SAT-MOD-20160513-00050 (the "Telstar 12 Modification Application"). Skynet's operation of Telstar 12 at 109.2° WL is subject to an exchange of letters between the United States and Canada.

² See File No. SAT-STA-20160617-00056 (granted in part on July 6, 2016, and in further part on July 19, 2016) ("Initial 109.2° WL STA").

³ See SAT-STA-20160513-00049.

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July 27, 2016

VIA ELECTRONIC DELIVERY

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 12th St. S.W.
Washington, DC 20554

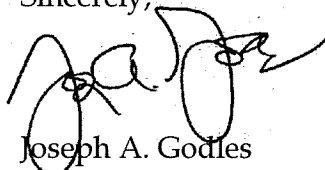
Re: Skynet Satellite Corporation; Revision to
Request for Special Temporary Authority,
FCC Call Sign, S2462
File No. SAT-STA-20160725-00070

Dear Ms. Dortch:

Skynet Satellite Corporation ("Skynet"), by its attorneys, hereby revises the above-referenced filing to change the term of the special temporary authority ("STA") extension it is requesting from one-hundred and eighty (180) days to sixty (60) days. All other elements of its filing are unchanged.

Questions with respect to this matter should be directed to the undersigned.

Sincerely,



Joseph A. Godles
Attorney for Skynet Satellite Corporation

cc: Steve Duall, FCC
Alyssa Roberts, FCC