

* GRANT IN FULL *

S2933 SAT-LOA-20141010-00107 IB2014002031
Skynet Satellite Corporation
TELSTAR 12 VANTAGE



File # SAT-LOA-2014 1010 - 00107

Call Sign S2933 Grant Date 10/29/15

(or other identifier)

From see conditions To: see conditions

Approved by OMB
3060-0678

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File Number: SAT-LOA-20141010-00107
Callsign/Satellite ID: S2933

*with conditions

Approved: *Stephen J. Dwall*
Stephen J. Dwall
Chief, Satellite Policy Branch

APPLICATION FOR SATELLITE SPACE STATION AUTHORIZATIONS FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	FCC Use Only
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

T12V application for authority (Oct 2014) – REFILE

1-8. Legal Name of Applicant			
Name:	Skynet Satellite Corporation	Phone Number:	613-748-8700
DBA Name:		Fax Number:	613-748-8712
Street:	135 Route 202/206	E-Mail:	JForsey@telesat.com
City:	Bedminster	State:	NJ
Country:	USA	Zipcode:	07921 -
Attention:	John Forsey		

Skynet Satellite Corporation
IBFS File No. SAT-LOA-20141010-00107
Call Sign S2933

The application of Skynet Satellite Corporation (Skynet), IBFS File No. SAT-LOA-20141010-00107, for authority to construct, deploy, and operate a Ku-and Ka-band geostationary orbit (GSO) space station, to be known as Telstar 12 Vantage (Telstar 12V), at the 15° W.L. orbital location, is GRANTED.¹ Skynet is authorized to operate Telstar 12V (Call Sign 2933) in the 10.95-12.2 GHz, 12.5-12.75 GHz, 18.3-19.1 GHz and 19.7-20.2 GHz (space-to-Earth); 13.0-13.25 GHz, 13.75-14.5 GHz, 28.35-28.9 GHz, and 29.25-30.0 GHz (Earth-to-space). In addition, Skynet is authorized to conduct telemetry, tracking, and command (TT&C) operations using the following center frequencies: 14497.6 MHz, 14499.6 MHz, 11700 MHz, and 11701 MHz. Operations under this authorization must be in accordance with the terms, conditions, and technical specifications set forth in Skynet's application and the Federal Communications Commission's rules not waived herein, and are subject to the following conditions:

1. Skynet must prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, international coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. Skynet will be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other Administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments with other Administrations. *See* 47 C.F.R. § 25.111(b).
2. In connection with the provision of service in any particular country, Skynet is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
3. Skynet must operate Telstar 12V at the 15° W.L. orbital position in compliance with all existing or future coordination agreements for this location.
4. Skynet must maintain Telstar 12V within an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 15° W.L. orbital location.
5. Skynet'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 C.F.R. § 2.106, NG52.
6. 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 C.F.R. § 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.
7. The Commission has exchanged letters with the Office of Communications of the United Kingdom (Ofcom) to ensure a mutual understanding regarding the operations of the Telstar 12V space station. These letters are attached to this grant and the understandings and factual basis for those understandings are a material consideration for this grant of authority.

¹ This application was previously granted, in part, and deferred in part. See Policy Branch Information Actions Taken, Report No. SAT-01084 (May 15, 2015). Specifically, a full grant of Skynet's application was deferred pending an Exchange of Letters with the United Kingdom's Office of Communications, which is now complete. For ease of reference, all relevant conditions included in the prior grant are repeated here.

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8. Skynet's use of the 11.95-12.2 GHz (space-to-Earth) to provide FSS in International Telecommunication Union (ITU) Region 1 must be on a non-interference, unprotected basis.²

9. Skynet's use of the 12.5-12.75 GHz (space-to-Earth) frequency band is limited to ITU Region 1.

10. 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 C.F.R. § 2.106, US337, any earth station in the United States and its possessions communicating with the Telstar 12V 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).

11. Operations of any earth station in the United States and its possessions communicating with the Skynet 12V 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 C.F.R. § 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 12V 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.

12. Operations of any earth station in the United States and its possessions communicating with the Telstar 12V 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 C.F.R. § 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 12V 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.

13. Skynet must coordinate its operations in the 18.3-19.1 GHz (space-to-Earth) and 19.7-20.2 GHz frequency band with the U.S. Federal Systems, including Federal operations to earth stations in

² Skynet states that the South Atlantic beam of the Telstar 12V satellite, which transmits in the 11.95-12.2 GHz band, has coverage in both ITU Region 1 and 2. In Region 1, this band is allocated to the Broadcasting-Satellite Service, and restrictions on new or modified assignments preclude Skynet's proposed entry. Therefore, Skynet states that any operations in the 11.95-12.2 GHz band that fall within Region 1 will be on a non-interference, unprotected basis. Skynet Satellite Corporation, IBFS File No. SAT-LOA-20141010-00107, Supplement filed April 17, 2015.

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 C.F.R. § 2.106, US357.

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foreign countries in accordance with US Footnote US334 to the United States Table of Frequency Allocations, 47 C.F.R 2.106.

14. The power-flux density (pfd) at the Earth's surface produced by the emissions from the Telstar 12V space station for all atmospheric conditions, and for all methods of modulation in the 18.3-19.1 and 19.7-20.2 GHz frequency bands (space-to-Earth), must not exceed a level of -119 dBW/m²/MHz at any angle of arrival.⁴

15. Skynet's request for a waiver of Footnote NG165 to Section 2.106 of the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, to permit operations of its Telstar 12V GSO FSS space station in the 18.8-19.1 GHz (space-to-Earth) frequency band on a non-conforming basis is GRANTED. In the United States, the 18.8-19.1 GHz band is designated for non-Federal NGSO FSS operations on a primary basis, with no designation for non-Federal GSO operations. The 18.8-19.1 GHz band is also allocated to Federal GSO and NGSO FSS operations on a primary basis. As a non-conforming user, Skynet must accept any interference from any non-Federal NGSO FSS system, and Federal GSO FSS or NGSO FSS system authorized to use this band. In addition, Skynet must not cause harmful interference to any authorized non-Federal NGSO FSS system, and authorized Federal GSO FSS or NGSO FSS system, and must immediately cease operations upon notification of such harmful interference resulting from its operations.

16. Skynet's request for a waiver of Section 25.283(c) of the Commission's rules is GRANTED. Section 25.283(c) requires discharge of all stored energy sources when a space station is retired from service. Telstar 12V is an EADS Astrium 3000 series satellite, which does not completely discharge all stored energy at end-of-life. Telstar 12V's propellant tanks will be depleted upon spacecraft disposal at mission completion. The helium pressurant tank, however, will be isolated from the fuel system when the satellite reaches the geostationary orbit and will retain a total mass of 1.2 kilograms with a volume of 179.5 liters at the end-of-life. The information submitted by Skynet is not sufficient to support a finding that the underlying purpose of Section 25.283(c) would be served by sealing the helium tank without completely venting it. However, we grant a partial waiver of the rule because undue hardship would result from requiring a modification of the space station at this time. This action is without prejudice to any future licensing decisions in connection with other spacecraft of the same manufacturing series.

17. The 29.25-29.5 GHz band is designated for uplinks for FSS systems using geostationary satellites and for feeder uplinks for Mobile Satellite Service systems using non-geostationary orbit satellites on a co-primary basis. Telstar 12V's operations in the 29.25-29.5 GHz frequency band must comply with Section 25.258 of the Commission's rules. 47 C.F.R. § 25.258.

18. Telstar 12V's operations in the 28.6-28.9 GHz band are on a secondary basis. Skynet must not cause harmful interference to any non-Federal station authorized to operate on a primary basis in the 28.6-28.9 GHz frequency band, must accept any interference from these systems, and must terminate operations immediately upon notification of harmful interference.

19. The operations of Telstar 12V and associated earth stations must comport with the applicable uplink limits in 47 C.F.R. §§ 25.138, 25.211, 25.218, 25.222, 25.226, and/or 25.227, and the

⁴ Footnote US255 to the U.S. Table of Frequency Allocations, 47 C.F.R. § 2.106, requires that the pfd across the 200 megahertz of the 18.6-18.8 GHz band not exceed -95 dBW/m²/200 MHz. Skynet proposes to operate the Telstar 12V space station with a maximum pfd of -119 dBW/m²/MHz in the bands 18.3-19.1 and 19.7-20.2 GHz. This level corresponds to a maximum pfd of -95.99 dBW/m²/200 MHz. Consequently, Telstar 12V's proposed operations meet the pfd limit in US255. Skynet's operations also meet other pfd limits for transmitting in Ka-band frequencies. See 47 C.F.R. 25.138(a)(6), 25.208(c), 25.208(d), and 25.208(e).

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downlink limits in 47 C.F.R. §§ 25.138(a)(6) and/or 25.212(c)(2), unless Skynet coordinates any non-conforming operation with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 15° W.L. orbital location. Non-conforming operation must also be coordinated with respect to those operations of non-U.S. licensed space stations within 6 degrees of 15° W.L. involving approved communications with U.S.-licensed earth stations.

20. The license term for the space station is 15 years and will begin on the date that Skynet certifies to the Commission that Telstar 12V has been successfully placed into orbit and its operations fully conform to the terms and conditions of this authorization. Skynet is directed to file its certification of commencement of operation with the Commission within five business days of Telstar 12V being placed into operation at the 15° W.L. orbital location.


21. In supplements to its application, Skynet submitted evidence that it has met the first three milestones for the Telstar 12V space station and requested a reduction in the required bond, pursuant to Section 25.165 of the Commission's rules, 47 C.F.R. § 25.165.⁵ Based on the evidence provided, the Satellite Division finds that Skynet has satisfied the first three milestones required for a geostationary satellite: enter into a binding, non-contingent contract; complete critical design review; and begin construction of the satellite. As a result, the milestone and bond requirements are reduced. Accordingly, this authorization shall be null and void with no further action on the Commission's part if Skynet does not meet the following requirements:

- a. Skynet must file a bond in the amount of \$750,000, pursuant to the procedures set forth in 47 C.F.R. § 25.165, within 30 days of this authorization (June 10, 2015);
- b. Launch and begin operations within two years (May 11, 2017).

22. Skynet is afforded 30 days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

23. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.

* GRANT IN FULL *

 GRANTED* International Bureau *with conditions	File # <u>SAT-LOA-20141010-00107</u>
	Call Sign <u>S2933</u> Grant Date <u>10/29/15</u> (or other identifier)
	From <u>see conditions</u> Term Dates <u>see conditions</u> To: <u>conditions</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

⁵ Skynet submitted information demonstrating that the first three milestones required for GSO space systems have been satisfied for Telstar 12V. See Letters to Jose Albuquerque, Chief, Satellite Division, FCC from Joseph Godles, Counsel for Skynet Satellite Corporation (Oct. 28, 2014 and Feb. 27, 2015).



Federal Communications Commission
Washington, D.C. 20554

October 8, 2015

Mario Neri
Manager, International Satellite Frequency Coordination
Office of Communications
Riverside House
2A Southwark Bridge Road
London, England
SE1 9HA

Re: Operations of the Telstar 12 Vantage Satellite

Dear Mr. Neri:

This letter is to confirm the informal understanding of the Office of Communications (Ofcom) and the Federal Communications Commission (FCC) concerning the Telstar 12 Vantage (Telstar 12V) satellite.

The satellite is expected to be launched in the fourth quarter of 2015 and to operate at the 15° W.L. orbital location. Telstar 12V is capable of operating using the following frequencies: 10.95-12.2 GHz, 12.5-12.75 GHz, 18.3-19.1 GHz and 19.7-20.2 GHz (downlink); 13.0-13.25 GHz, 13.75-14.5 GHz, 28.35-28.9 GHz and 29.25-30.0 GHz (uplink). Telecommand, telemetry, and control for the satellite will use the 14497.6 MHz, 14499.6 MHz, 11700 MHz and 11701 MHz center frequencies.

The operator of Telstar 12V is Skynet Satellite Corporation (Skynet), a wholly owned subsidiary of Telesat Canada. Telesat Canada's subsidiary, Skynet IOM, has entered into a commercial agreement with ManSat, a company incorporated in the Isle of Man. The agreement provides a framework of commercial terms related to use by Skynet of frequencies specified in Isle of Man filings. Skynet stated, in connection with its application for FCC authority, that operations of Telstar 12V in the 13.0-13.25 GHz uplink and 11.2-11.45 GHz downlink frequency bands (the Appendix 30B frequency bands) can occur consistent with the satellite network filing known as IOMSAT-15W-B, submitted by Ofcom to the International Telecommunication Union. The Isle of Man government has authorized ManSat to reach agreements concerning operations under this filing, including through commercial agreements with third party satellite operators.

In connection with the operation of the satellite, the FCC has granted, in part, a request from Skynet for authorization of satellite deployment and operations with respect to frequency bands other than the Appendix 30B frequency bands. The FCC deferred action with respect to the Appendix 30B frequency bands.¹

It is my understanding that our agencies have concurred on the following issues concerning the operation of the Telstar 12V satellite, contingent upon completion of the FCC licensing process:

¹ Skynet Satellite Corporation, IBFS File No. SAT-LOA-20141010-00107 (granted May 11, 2015).

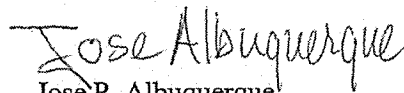
- 1) At the 15° W.L. orbital location; operations of Telstar 12V in the Appendix 30B frequency bands will be subject to Ofcom's authority and such authority will allow Ofcom to require Skynet to modify or cease operations in the Appendix 30B frequency bands if deemed necessary.
- 2) At the 15° W.L. orbital location, operations of Telstar 12V in frequency bands other than the Appendix 30B frequency bands will be subject solely to the authority of the FCC. Operations of Telstar 12V at any location other than 15° W.L., including operations in the Appendix 30B frequency bands and any operations as a result of any equipment failure in the satellite that results in the inability to maintain the satellite within $\pm 0.05^\circ$ of its assigned position at the 15° W.L. orbital location, will also be subject solely to the authority of the FCC.
- 3) The FCC will consult with Ofcom if practicable, prior to any relocation of the satellite, or as soon thereafter as possible.
- 4) The FCC will retain the unilateral right in the event of extraordinary circumstances to direct Skynet to cease operations of Telstar 12V, or any portion of the satellite, without the need for consultation with or approval from Ofcom, for example, to comply with a direction by the U.S. President under Section 706(c) of the Communications Act of 1934, as amended, 47 U.S.C. § 606(c), or in the event of a satellite anomaly presenting an imminent danger, and Skynet and its affiliates will be required to comply with any such direction. It is understood that, if operations of Telstar 12V in the Appendix 30B frequency bands are ceased under this condition, the FCC will inform Ofcom, at the earliest possible opportunity, about the action taken by the FCC.
- 5) Skynet and its affiliates, along with Ofcom, will be responsible for taking action necessary for compliance with the ITU Radio Regulations (in particular the coordination and notification procedures) for the operations of Telstar 12V at 15° W.L. in the Appendix 30B frequency bands.
- 6) Skynet and the FCC will be responsible for taking action necessary for compliance with the ITU Radio Regulations (in particular the coordination and notification procedures) for Telstar 12V, except as noted in number 5 above.
- 7) With respect to Paragraph 3.2 of the Minutes of the 13th Plenary Meeting of WRC-12 (as set out in ITU Circular Letter CR/333), the FCC will not object to Ofcom notifying the ITU of the bringing into use of the IOMSAT-15W-B network based upon operations of Telstar 12V.

In addition, it is my understanding that the U.S. State Department will register the satellite with the Secretary General of the United Nations, pursuant to the 1976 U.N. Convention on Registration of Objects Launched into Outer Space.

Any notices, inquiries, and correspondence from Ofcom concerning these matters should be directed to the Chief, Satellite Division, International Bureau at Jose.Albuquerque@fcc.gov with a copy to Karl.Kensinger@fcc.gov, on the part of the FCC. The FCC will direct any notices, inquiries, and correspondence from the FCC concerning these matters to the Manager of the International Satellite Frequency Coordination team at ifc.enquiries@ofcom.org.uk on the part of Ofcom.

If the foregoing corresponds to your understanding of the informal arrangements between our agencies concerning Telstar 12V, please confirm by return letter. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Jose Albuquerque".

Jose P. Albuquerque
Chief, Satellite Division
International Bureau



Ref: SSU1793

Date: 26 October 2015

Jose Albuquerque
Chief, Satellite Division
International Bureau
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Mario Neri
International Frequency Coordination

Direct line: + 44 20 7981 3199
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Mobile: +44 7860 339 448

ifc.enquiries@ofcom.org.uk

Dear Mr Albuquerque

Subject: Operations of the Telstar 12 Vantage Satellite

Thank you for your letter of 8 October 2012.

We confirm that the text therein corresponds to our understanding.

Yours sincerely


Mario Neri MEng MFin MIET

9-16. Name of Contact Representative			
Name:	Joseph A. Godles	Phone Number:	202-429-4900
Company:	Goldberg Godles Wiener & Wright LLP	Fax Number:	202-429-4912
Street:	1229 19th Street, NW	E-Mail:	jgodles@g2w2.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -2413
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

<p>17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.</p> <p>a.</p> <p>(N/A) a1. Earth Station</p> <p><input checked="" type="radio"/> a2. Space Station</p>	<p>b.</p> <p><input type="radio"/> b1. Application for License of New Station (N/A) b2. Application for Registration of New Domestic Receive-Only Station (N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration (N/A) b5. Assignment of License or Registration (N/A) b6. Transfer of Control of License or Registration (N/A) b7. Notification of Minor Modification (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite</p> <p><input type="radio"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States</p> <p><input type="radio"/> b10. Replacement Satellite Application – no new frequency bands</p> <p><input checked="" type="radio"/> b11. Replacement Satellite Application – new frequency bands (Not eligible for streamlined processing)</p> <p><input type="radio"/> b12. Petition for Declaratory Ruling to be Added to the Permitted List (N/A) b13. Other (Please specify)</p>
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17c. 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): Application is refiled without fee per DA 14-1353

17c. Fee Classification BNY – Space Station (Geostationary)

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:

Not Applicable

19. If this filing is an amendment to a pending application enter:

(a) Date pending application was filed:

Not Applicable

(b) File number of pending application:

Not Applicable

TYPE OF SERVICE

<p>20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:</p> <p><input checked="" type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify)</p>	
<p>21. STATUS: Choose the button next to the applicable status. Choose only one. <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier</p>	<p>22. If earth station applicant, check all that apply. Not Applicable</p>
<p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A</p>	
<p>24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s). <input type="checkbox"/> a. C-Band (4/6 GHz) <input checked="" type="checkbox"/> b. Ku-Band (12/14 GHz) <input checked="" type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment)</p>	

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

(N/A) a. Fixed Earth Station
(N/A) b. Temporary-Fixed Earth Station
(N/A) c. 12/14 GHz VSAT Network
(N/A) d. Mobile Earth Station
 e. Geostationary Space Station.
 f. Non-Geostationary Space Station
 g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Not Applicable

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an "X" in the box(es) next to all that apply.) Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. Yes No

ALIEN OWNERSHIP

Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="radio"/> Yes <input checked="" type="radio"/> No
30. Is the applicant an alien or the representative of an alien?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	Response to Q34

BASIC QUALIFICATIONS

<p>35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p>36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No Response to Q36</p>
<p>37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

Response to Q40

41. 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

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

Yes No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Applicant seeks herein authority for Telstar 12V (T12V), a replacement satellite at 15 degrees W.L.

Narrative

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

GIMS

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing
Chris DiFrancesco

46. Title of Person Signing
Secretary

47. Please supply any need attachments.

1:

2:

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).

Completed Schedule S

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