

S2632 SAT-STA-20180928-00077 IB2018006250
DIRECTV Enterprises, LLC
DIRECTV T8



File # SAT-STA-20180928-00077

Call Sign S2632 Grant Date 11/28/18
(or other identifier)

Term Dates period of
From 11/28/18 To: 180 days

Approved by OMB
3060-0678

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

Date & Time Filed: Sep 28 2018 9:48:43:196AM
File Number: SAT-STA-20180928-00077
Callsign:

***with conditions**

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:
180-Day STA Request to Operate T8 (Call Sign S2632) at 100.75 WL

I. Applicant

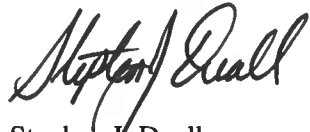
Name:	DIRECTV Enterprises, LLC	Phone Number:	310-964-4996
DBA Name:		Fax Number:	
Street:	1120 20th Street, NW Suite 1000	E-Mail:	spdulac@att.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:	Steve Dulac		

ATTACHMENT TO GRANT
DIRECTV Enterprises, LLC
IBFS File No. SAT-STA-20180928-00077

IBFS File No(s):	SAT-STA-20180928-00077		<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	DIRECTV Enterprises, LLC (DIRECTV)		
Call Sign:	S2632		
Satellite Name:	DIRECTV T8		
Orbital Location: (required station-keeping tolerance)	100.75° W.L. (±0.05° East-West, ±0.05° North-South)		
Administration:	United States of America		
Nature of Service:	Direct Broadcast Satellite (DBS) Telemetry, tracking, & command (TT&C)		
Scope of Grant:	Special temporary authority for a period of 180 days to provide DBS at 100.75° W.L.		
Service Area(s):	N/A		
Frequencies:	12.2-12.7 GHz (space-to-Earth) 17.3-17.8 GHz (Earth-to-space) <u>Telemetry, Tracking, and Command</u> 17307.00 MHz (Earth-to-space) 12203.25 MHz (space-to-Earth) 12203.75 MHz (space-to-Earth)		
<p>Unless otherwise specified herein, 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. Operations pursuant to this special authority must be on an unprotected and non-harmful interference basis, i.e. the DIRECTV T8 space station must not cause harmful interference to, and DIRECTV must not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, DIRECTV must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event. 2. DIRECTV must coordinate the operations of DIRECTV T8 with existing geostationary space stations to ensure that no unacceptable interference results from its operations. 3. Any action taken or expense incurred as a result of this special temporary authority is solely at DIRECTV's own risk. 			
<p>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.</p> <p>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.</p> <p>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).</p>			
Action Date:	November 28, 2018		
Term Dates	From: November 28, 2018	To: period of 180 days	

ATTACHMENT TO GRANT
DIRECTV Enterprises, LLC
IBFS File No. SAT-STA-20180928-00077

Approved:



Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact

Name:	Jennifer D. Hindin	Phone Number:	202-719-4975
Company:	Wiley Rein LLP	Fax Number:	202-719-7049
Street:	1776 K Street, NW	E-Mail:	jhindin@wileyrein.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
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 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
100.75 WL

7. Requested Extended Expiration Date

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.)

DIRECTV Enterprises, LLC seeks a grant of special temporary authority for 180 days commencing November 1, 2018 to operate its T8 satellite (Call Sign S2632) at the 100.75 WL orbital location.

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
Steve Dulac

11. Title of Person Signing
Director, Content Technology & Policy

12. Please supply any need attachments.

Attachment 1: Narrative

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).

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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.

EXHIBIT 1
REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of special temporary authority (“STA”)¹ for 180 days commencing November 1, 2018 to operate its T8 satellite (Call Sign S2632) at the 100.75° W.L. orbital location.

T8 is currently located at its permanently licensed orbital location of 100.85° W.L.² On August 28, 2018, the Commission granted DIRECTV’s 30-day STA request to drift its T15 satellite (Call Sign S2930) from its permanently licensed location of 102.75° W.L. to 100.85° W.L. and to operate the satellite at 100.85° W.L.³ On August 30, 2018, DIRECTV filed a 180-day STA request to continue operating T15 at the 100.85° W.L. orbital location.⁴ As explained in those applications, DIRECTV is relocating T15 to 100.85° W.L. to fill a temporary business need for additional Ku-band DBS (12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space)) capacity at the nominal 101° W.L. orbital location. The T15 drift began on September 5, 2018 and was completed on September 13, 2018. T15 will initially be collocated with T8 at 100.85° W.L. DIRECTV plans to relocate T8 to 100.75° W.L. and operate the space station as an in-orbit backup satellite once traffic is transferred from T8 to T15. The T8 drift is scheduled to begin on or about October 2, 2018 and is expected to last approximately eight days. On September 27, 2018, the Commission granted DIRECTV’s 30-day request for special temporary

¹ DIRECTV has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System.

² See *Policy Branch Information: Actions Taken*, Public Notice, Report No. SAT-01088, File No. SAT-MOD-20150304-00009 (May 29, 2015); *Policy Branch Information: Actions Taken*, Public Notice, Report No. SAT-00431, File Nos. SAT-AMD-20070111-00010, SAT-MOD-20061213-00151 (Mar. 30, 2007). T8’s Ka-band payload was originally authorized under Call Sign S2132, which was consolidated with Call Sign S2632 in September 2017.

³ See *30-Day STA Request to Relocate T15 (Call Sign S2930) to 101 WL*, File No. SAT-STA-20180817-00063 (stamp grant Aug. 28, 2018).

⁴ See *180-Day STA Request to Relocate T15 (Call Sign S2930) to 101 WL*, File No. SAT-STA-20180830-00064.

authority commencing October 2, 2018 to drift T8 from 100.85° W.L. to 100.75° W.L. and to operate the satellite at 100.75° W.L.⁵ DIRECTV respectfully submits this 180-day STA request to continue operating T8 at 100.75° W.L. following the expiration of its 30-day grant of special temporary authority until the satellite returns to its permanently licensed orbital location.⁶

While T8 is located at 100.75° W.L., DIRECTV will provide telemetry, tracking, and control (“TT&C”) using the following frequencies:

- 17307.00 MHz (Earth-to-space); and
- 12203.25 MHz and 12203.75 MHz (space-to-Earth).

Grant of this STA will not result in increased risk of harmful interference. Once on station at 100.75° W.L., DIRECTV will operate the communications payload in conformance with FCC rules and any relevant coordination agreements.

DIRECTV has assessed and limited the probability of the space station becoming a source of debris as a result of collisions with large debris or other operational space stations. T8 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. DIRECTV is not aware of any other FCC-licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with T8 at 100.75° W.L. DIRECTV is also not aware of any other system with an overlapping station-keeping volume with T8 that is the subject of an ITU filing that is either in orbit or progressing towards launch.

Grant of this STA request will serve the public interest because it will extend coverage, improve service performance, and provide additional capacity to customers at the nominal 101°

⁵ See *30-Day STA Request to Relocate T8 (Call Sign S2632)*, File No. SAT-STA-20180921-00074 (granted Sept. 27, 2018).

⁶ DIRECTV currently anticipates returning T8 to the 100.85° W.L. orbital location in 2019 based on business needs.

W.L. orbital location. Accordingly, DIRECTV respectfully requests that the Commission grant this request.