


S2632 SAT-STA-20180921-00074 IB2018005993
DIRECTV Enterprises, LLC
DIRECTV T8



GRANTED*
International Bureau

File # SAT-STA-20180921-00074
Call Sign S2632 Grant Date 09/27/18
(or other identifier)
Term Dates period of
From 10/02/18 To: 30 days
Approved: Stephen J. Duall

Approved by OMB
3060-0678

Date & Time Filed: Sep 21 2018 11:46:01:110AM
File Number: SAT-STA-20180921-00074
Callsign:

*with conditions

Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

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:
30-Day STA Request to Relocate T8 (Call Sign S2632)


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-SAT-STA-20180921-00074

IBFS File No(s):	SAT-STA-20180921-00074	GRANTED – With Conditions  International Bureau Satellite Division
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:	Telemetry, Tracking, & Command (TT&C) Direct Broadcast Satellite (DBS)	
Scope of Grant:	Special temporary authority for a period of 30 days to conduct TT&C operations necessary to drift DIRECTV T8 from the 100.85° W.L. orbital location to the 100.75° W.L. orbital location and to provide DBS via DIRECTV T8 at 100.75° W.L.	
Service Area(s):	United States of America	
Frequencies:	<u>Direct Broadcast Satellite</u> 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 during the drift to the 100.75° W.L. orbital location. 3. DIRECTV may not provide payload services during the drift. 		
<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:	September 27, 2018	

ATTACHMENT TO GRANT
DIRECTV Enterprises, LLC
IBFS File No. SAT-STA-SAT-STA-20180921-00074

Term Dates	From: October 2, 2018	To: period of 30 days
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
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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

EXHIBIT 1
REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests a grant of special temporary authority (“STA”)¹ for 30 days commencing October 2, 2018 to drift its T8 satellite (Call Sign S2632) from its current location at 100.85° W.L. to 100.75° W.L. and to operate the satellite at 100.75° W.L.

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 three days.

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.

Accordingly, DIRECTV respectfully requests a grant of special temporary authority for 30 days commencing October 2, 2018 to drift T8 from its current location at 100.85° W.L. to 100.75° W.L. and to operate the satellite at 100.75° W.L. DIRECTV intends to file an additional, 180-day STA request to continue operating T8 at 100.75° W.L. until the satellite returns to its permanently licensed orbital location.⁵

During the drift of T8 from 100.85° W.L. to 100.75° W.L., DIRECTV will utilize only the satellite's telemetry, tracking, and control ("TT&C") frequencies and will follow industry practices for coordinating TT&C transmission during the relocation process. The specific TT&C frequencies are as follows:

- 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. DIRECTV will operate only the above-listed TT&C frequencies during the drift and will coordinate its TT&C transmissions with operators of satellites in the drift path. In the unlikely event that any interference should occur during the drift, DIRECTV will take all reasonable steps to eliminate such 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,

⁵ DIRECTV currently anticipates returning T8 to the 100.85° W.L. orbital location in 2019 based on business needs.

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