



File # SAT-STA-20050526-00108

Call Sign S2632 Grant Date July 8, 2005
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From July 24, 2005 To: Jan 20, 2006

Approved: [Signature] Chief Suballo
Robert Nelson Engineering Branch

Date & Time Filed: May 26 2005 4:46:43:493PM
File Number: SAT-STA-20050526-00108
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:
DIRECTV Ent. DIRECTV8 STA 100.65 WL (DBS)

I. Applicant

Name:	DIRECTV Enterprises, LLC	Phone Number:	310-726-4993
DBA Name:		Fax Number:	310-535-5323
Street:	2230 E. Imperial Hwy	E-Mail:	dapattillo@directv.com
City:	El Segundo	State:	CA
Country:	USA	Zipcode:	90245 -
Attention:	David A. Pattillo		

ATTACHMENT

DIRECTV 8

SAT-STA-20050526-00108 (Call Sign: S2632)

SAT-STA-20050526-00109 (Call Sign: S2132)

July 8, 2005

DIRECTV Enterprises, L.L.C.'s (DIRECTV) applications for special temporary authority (STA), IBFS File No. SAT-STA-20050526-00108 and SAT-STA-20050526-00109, ARE GRANTED. Accordingly, DIRECTV is authorized for a period of 180 days commencing on July 24, 2005 on a non-interference basis (1) to operate Tracking, Telemetry, and Command ("TT&C") functions in the 17307 MHz (Earth-to-Space) and 12203.25 and 12203.75 MHz (Space-to-Earth) frequencies at the 100.65° W.L. orbital location and (2) to operate the Ka-band communications payload in the 18.3 – 18.8 GHz (space-to-Earth), 28.35 – 28.6 GHz (Earth-to-space), 19.7 – 20.2 GHz (space-to-Earth) and 29.25-30.0 GHz (Earth-to-space) frequency bands on the DIRECTV 8 satellite at the 100.65° W.L. orbital location in accordance with the terms, conditions, and technical specifications set forth in its application, the Commission's rules and this Attachment; and

1. During operations at 100.65° W.L. no harmful interference shall be caused by DIRECTV-8 to any other lawfully operating in-orbit satellite and operations of the DIRECTV-8 satellite shall cease immediately upon notification of such interference.
2. During operations at 100.65° W.L. DIRECTV is required to accept interference from other lawfully operating in-orbit satellites.
3. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at DIRECTV's own risk.
4. This action is without prejudice to Commission action on DIRECTV's pending applications SAT-MOD-20050513-00100 and SAT-MOD-20050513-00101 (seeking authorization to operate at 100.75°W).
5. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

2. Contact

Name:	William M. Wiltshire	Phone Number:	202-730-1350
Company:	Harris, Wiltshire & Grannis, LLP	Fax Number:	202-730-1301
Street:	1200 18th Street, NW	E-Mail:	wwiltshire@harriswiltshire.com
	12th Floor		
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 the file number below.)

3. Reference File Number

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

100.65 W.L.

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 requests special temporary authority to perform TT & C functions using the DBS payload of DIRECTV 8 at 100.65 W.L. for up to 180 days beginning on or about June 24th, 2005.

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
James Butterworth

11. Title of Person Signing
Senior Vice President

12. Please supply any need attachments.

Attachment 1: Exhibit A

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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ATTORNEYS AT LAW

May 26, 2005

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: *Request for Special Temporary Authority for the DBS TT&C Payload
on DIRECTV 8 at 100.65° W.L.
Call Sign: S2632*

Dear Ms. Dortch:

DIRECTV Enterprises, LLC ("DIRECTV") hereby requests Special Temporary Authority ("STA") to operate the Direct Broadcast Satellite ("DBS") communications payload on DIRECTV 8 solely for TT&C functions at 100.65° W.L. for up to 180 days beginning approximately June 24, 2005. Because DIRECTV 8 has been launched and its licensed orbital location at the nominal 101° W.L. position is currently occupied, DIRECTV respectfully requests expedited action on this request.

DIRECTV 8, a hybrid satellite with both Ka-band and Ku-band (i.e. DBS) payloads, was successfully launched on May 22, 2005. Its licensed orbital location is 100.85° W.L., which currently falls within the station-keeping boxes covered by both DIRECTV 1R (100.85° W.L. ± 0.05°) and DIRECTV 2 (100.8° W.L. ± 0.1°). The remainder of the nominal 101° W.L. orbital location is also highly congested, with four more satellites (DIRECTV 1, DIRECTV 4S, AMSC-1, and AMC-4) operating in close proximity.

DIRECTV 8 will eventually replace DIRECTV 2, at which time DIRECTV 2 can be moved out of this location to free up space for the new satellite. DIRECTV has not yet had an opportunity to conduct in-orbit testing ("IOT") of the spacecraft's DBS payload, which is a necessary precursor to transferring traffic from DIRECTV 2. However, since the TT&C functions on the satellite use DBS frequencies, an STA for those functions is necessary to maintain control of the satellite. DIRECTV will be able to

HARRIS, WILTSHIRE & GRANNIS LLP

Marlene H. Dortch
May 26, 2005
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confirm the operational status of DIRECTV 8's TT&C payload (which uses DBS frequencies) before it arrives at the 101° W.L. slot.¹

DIRECTV anticipates that it will conduct IOT using the Canadian BSS slot at 138° W.L. at some point during the next several months.² In the interim, DIRECTV intends to operate DIRECTV 8's Ka-band payload at the nominal 101° W.L. location. Accordingly, DIRECTV requests an STA to locate DIRECTV 8 at 100.65° W.L. and operate the DBS payload for TT&C functions only; DIRECTV does not request authority to operate the remainder of the DBS payload during this interim period.

Limited operation of the DBS payload of DIRECTV 8 at 100.65° W.L. will not result in harmful interference to adjacent satellites at those positions. The nearest operational DBS spacecraft are DIRECTV's own DBS satellites at the nominal 101° W.L. orbital location. The next closest DBS satellites are nearly nine degrees or more removed from this proposed location. As a practical matter, DIRECTV's efforts to avoid interference to its own operations at 101° W.L. should be more than sufficient to protect other DBS operators located many times further away.

Grant of this STA request will serve the public interest by allowing DIRECTV to maintain control of DIRECTV 8 until its DBS payload can be tested and determined to be ready for traffic transfer. It will also facilitate DIRECTV's use of the Ka-band payload on DIRECTV 8 by providing TT&C functions during this interim period.

Accordingly, DIRECTV requests the expeditious grant of special temporary authority.

Respectfully submitted,

W

William M. Wiltshire
Counsel to DIRECTV Enterprises, LLC

¹ DIRECTV has sought an STA for DBS TT&C operations at the 102.8° W.L. and 99.2° W.L. orbital locations prior to reaching the nominal 101° W.L. location. See FCC File No. SAT-STA-20050506-00095. That application is unopposed.

² DIRECTV will seek an STA for this IOT maneuver in a separate request.