

E930304 SES-STA-20050518-00616 IB200500107
DIRECTV Enterprises, LLC

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
DIRECTV Ent. 30 day STA for E930304 - DTV 5

1. Applicant

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Attention:	Jack Wengryniuk		



File# SES-STA-20050518-02616

Call Sign E930304 Grant Date August 24, 2005
(or other identifier)

Term Dates
From September 2, 2005 To October 1, 2005

Approved: Jeanette M. Sprigg

2. Contact	
Name: William M. Wiltshire	Phone Number: 202-730-1350
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12th Floor	
City: Washington	State: DC
Country: USA	Zipcode: 20036 -
Attention:	Relationship: Legal Counsel
3. Reference File Number	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Castle Rock	8. Latitude (dd mm ss.s h) 39 16 37.0 N

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REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Call Sign: E930304

DIRECTV Enterprises, LLC ("DIRECTV") hereby requests Special Temporary Authority ("STA") to conduct telemetry, tracking and control ("TT&C") operations with the DIRECTV 5 satellite during its drift from 72.5° W.L. orbital location to 109.8° W.L. DIRECTV requests that this STA become effective upon successful transfer of traffic from DIRECTV 5 to DIRECTV 1 at 72.5° W.L., and last for up to thirty (30) days thereafter. This STA will enable DIRECTV to reposition DIRECTV 5 to replace another satellite in its fleet that is experiencing technical anomalies.

DIRECTV currently is using DIRECTV 5 to provide DBS service in the United States from the Canadian-controlled orbital location at 72.5° W.L. DIRECTV has filed applications necessary to swap DIRECTV 1 for DIRECTV 5, and to re-license DIRECTV 5 as a U.S. space station to replace DIRECTV 6, which has continued to experience anomalies that have limited its ability to generate power, at 109.8° W.L.¹

DIRECTV anticipates the following chain of events in connection with the repositioning of DIRECTV 5. First, DIRECTV 1 will migrate to the 72.5° W.L. orbital location, where it will be "reflagged" as a Canadian satellite. Still under its Canadian license, DIRECTV 5 will be moved slightly (to 72.7° W.L.) to make room for DIRECTV 1 just prior to its arrival. Over the course of one evening, the traffic currently carried on DIRECTV 5 will be transferred to DIRECTV 1. Once this transfer is successfully completed, DIRECTV 5 will be available to be reflagged as a U.S. satellite, whereupon it will begin its migration to 109.8° W.L.

During the relocation of DIRECTV 5, the satellite's communications payload will remain inactive and only the TT&C payload will operate. DIRECTV requests authority to operate on the following TT&C frequencies:

Uplink:	17301 and 17305 MHz
Downlink:	12201 and 12202 MHz.

DIRECTV will coordinate with potentially affected satellite operators in accordance with industry practice, and will operate on a non-interference basis.

Grant of this STA request will serve the public interest by allowing DIRECTV to conduct the maneuvers necessary to address DIRECTV 6's failing health and ensure uninterrupted service to DIRECTV subscribers. In addition, grant of this STA request will not result in increased risk of harmful interference to any other system. This earth

¹ See, e.g., FCC File Nos. SAT-STA-20050427-00091 and SAT-RPL-20050504-00093.

station is already authorized to provide TT&C services using the frequencies needed for the drift of DIRECTV 5.²

Accordingly, DIRECTV respectfully requests that the Commission grant this STA request as expeditiously as possible.

² DIRECTV is also seeking a similar STA for a second earth station (E930229) in the interest of redundancy during the drift process.