

E930304 SES-STA-20061213-02162 IB200600332!  
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 E930304 STA DIR TT&C for relocation

1. Applicant

<b>Name:</b>	DIRECTV Enterprises, LLC	<b>Phone Number:</b>	301-663-0053
<b>DBA Name:</b>		<b>Fax Number:</b>	240-358-0569
<b>Street:</b>	2230 E. Imperial Hwy	<b>E-Mail:</b>	jwengryniuk@directv.com
<b>City:</b>	El Segundo	<b>State:</b>	CA
<b>Country:</b>	USA	<b>Zipcode:</b>	90245 -
<b>Attention:</b>	Jack Wengryniuk		

*Conditions Attached*



File # SES-STA-20061213-02162

Call Sign E930304 Grant Date 3/8/07  
(or other identifier)

From 3/8/07 Term Expires 9/3/07  
For

Approved by Jeanette W. Spriggs

**Conditions of Authorization**  
File No. SES-STA-20061213-02162  
Call Sign E930304  
March 8, 2007

DIRECTV Enterprises, LLC's (DIRECTV) request for special temporary authority, IBFS File No. SES-STA-20061213-02162, IS GRANTED. Accordingly, DIRECTV is authorized to conduct telemetry, tracking, and control communications from its earth station at Castle Rock, Colorado, earth station Call Sign E930304, related to the relocation of the DIRECTV 1R satellite from the 100.8° W.L. orbital location to the 72.5° W.L. orbital location in accordance with the terms, conditions, and technical specifications set forth in the Commission's rules and this document.

- 1) This authorization is for 180 days commencing on the date of grant.
- 2) During the drift of the DIRECTV 1R satellite to the 72.5° W.L. orbital location, DIRECTV shall not operate the main communications payload of the satellite.
- 3) DIRECTV shall coordinate all drift orbit telemetry, tracking, and control operations with other potentially affected in-orbit operators.
- 4) Operations shall be consistent with applicable coordination agreements.
- 5) During the relocation of the DIRECTV 1R satellite, operations must be on a non-harmful interference basis, that is, DIRECTV shall not cause interference to, and shall not claim protection from, interference caused by any other lawfully operating satellites or radio communications systems.
- 6) In the event that any harmful interference is caused as a result of operations during the relocation of the DIRECTV 1R satellite DIRECT shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
- 7) DIRECTV shall notify the Commission, by letter to the Chief, Satellite Division, International Bureau, within five business days following the date on which the DIRECTV 1R satellite reaches the 72.5° W.L. orbital location.
- 8) The Commission has exchanged letters with the Canadian Department of Industry to ensure a mutual understanding regarding the operations of the DIRECTV 1R satellite. The understandings and factual basis for these understandings are attached in Annex A and are material considerations for the grant of this special temporary authority.

**2. Contact**

<b>Name:</b>	William M. Wiltshire	<b>Phone Number:</b>	202-730-1350
<b>Company:</b>	Harris, Wiltshire & Grannis, LLP	<b>Fax Number:</b>	202-730-1301
<b>Street:</b>	1200 Eighteenth Street, NW	<b>E-Mail:</b>	wwiltshire@harriswiltshire.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -2560
<b>Attention:</b>		<b>Relationship:</b>	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 IB2006003119

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 CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant                       Change Station Location                       Other

6. Requested Use Prior Date



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## REQUEST FOR SPECIAL TEMPORARY AUTHORITY

*Call Sign: E930304*

DIRECTV Enterprises, LLC ("DIRECTV") hereby requests Special Temporary Authority ("STA") for up to 180 days to conduct telemetry, tracking and control ("TT&C") operations with the DIRECTV 1R satellite during its drift from the nominal 101° W.L. orbital location to 72.5° W.L., and for a period of time once the satellite is relocated.

DIRECTV currently is using DIRECTV 1 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 1R for DIRECTV 1 upon its arrival at 72.5° W.L., so that DIRECTV 1 will be free to replace move to 82° W.L. to back up the Nimiq 2 satellite, which has continued to experience anomalies that have limited its ability to generate power.<sup>1</sup> In the meantime, DIRECTV will complete the process of transferring traffic from DIRECTV 1R to other DIRECTV satellites operating at the nominal 101° W.L. orbital location so that it will be free to begin its move without causing any service interruption to subscribers.

Once it has received proper authorization, DIRECTV will turn off the communications payload on DIRECTV 1R for its relocation to and initial operation at 72.5° W.L., and will operate only the TT&C payload using the following frequencies:

Uplink:	17305 and 17799 MHz
Downlink:	12698.25 and 12699.25 MHz

Grant of this STA request will serve the public interest by allowing DIRECTV to conduct the maneuvers necessary to help Telesat address Nimiq 2's failing health and ensure uninterrupted service to Canadian subscribers. In addition, grant of this STA request will not result in increased risk of harmful interference to any other system. This earth station is already authorized to provide TT&C services using the frequencies needed for the drift of DIRECTV 1R. Moreover, DIRECTV will coordinate with potentially affected satellite operators in accordance with industry practice and will operate on a non-interference basis.<sup>2</sup>

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

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<sup>1</sup> See FCC File No. SAT-STA-20061213-00149.

<sup>2</sup> Since TT&C for DIRECTV 1 is conducted using different frequencies (17303 MHz (uplink) and 12200.5 and 12201.75 MHz (downlink)), there is no risk of interference during its brief period of collocation with DIRECTV 1R at the 72.5° W.L. position.