

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA request for D12 earth station E070027 (30 days) IOT & TTC

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		

*With Conditions*



File # SES-STA-20100319-00333  
Call Sign E070027 Grant Date 3/19/2010  
(or other identifier)  
Term Dates  
From 3/19/2010 To: 4/19/2010  
Approved: *[Signature]*

*Shahnaaz Ghavami*

ATTACHMENT(Conditions)

DIRECTV Enterprises, LLC's request for Special Temporary Authority is GRANTED in accordance with the terms, conditions, and technical specifications set forth in DIRECTV's application and supplements, the conditions set forth in this Attachment, and the Commission's rules.

1. DIRECTV shall ensure that a 24/7 POC Boeing Flight Director, 310-744-9076, be available during in-orbit testing.
2. DIRECTV shall notify AFFMA (robert.lando@pentagon.af.mil, 703-428-1513) 24 hours prior to the commencement of operations. DIRECTV shall also notify AFFMA at the conclusion of operations.
3. All operation shall be on an unprotected and non-harmful interference basis, *i.e.*, DIRECTV shall not cause harmful interference to, and shall not claim protection from interference caused to it, by any other lawfully operating radiocommunication system. In the event of any harmful interference as a result of operations pursuant to this STA, DIRECTV shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
4. DIRECTV shall notify Iridium ([donna.bethea-murphy@iridium.com](mailto:donna.bethea-murphy@iridium.com)) when it initiates and terminates in-orbit testing.
5. DIRECTV's operations in the 18.3-18.8 GHz band (space-to-Earth) are not entitled to protection from co-primary terrestrial services until the period during which terrestrial Fixed Service stations remain co-primary has expired. 47 C.F.R. § 25.145(g).
6. The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the fixed-Satellite Services. Services within the United States over the satellite network of which this is a cooperating earth station are subject to coordination under USS34 and operation of the earth station(s) authorized herein will be subject to any technical constraints resulting from this coordination.

*W/A Conditions*



File # SES-STA-20100319-00333

Call Sign E070021 Grant Date 3/19/2010  
(or other identifier)

Term Dates  
From 3/19/2010 To: 4/19/2010

Approved: \_\_\_\_\_

*Shamra Ghevalani*

**2. Contact**

<b>Name:</b>	William M. Wiltshire	<b>Phone Number:</b>	202-730-1350
<b>Company:</b>	Wiltshire & Grannis LLP	<b>Fax Number:</b>	202-730-1301
<b>Street:</b>	1200 18th Street, NW	<b>E-Mail:</b>	wwiltshire@wiltshiregrannis.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	-
<b>Attention:</b>	William M. Wiltshire	<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

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

7. CityCastle Rock	8. Latitude (dd mm ss.s h) 39 16 38.0 N
9. State CO	10. Longitude (dd mm ss.s h) 104 48 31.7 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2:                      Attachment 3:	
12. 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">DIRECTV Enterprises, LLC requests Special Temporary Authority to communicate with the DIRECTV 12 satellite for in-orbit testing and telemetry, tracking and control operations at the 76 degree W.L. orbital location for up to 30 days.</div>	
13. 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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing James Butterworth	15. Title of Person Signing Senior Vice President
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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**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**  
*Call Signs: E070027 and E090076*

DIRECTV Enterprises, LLC (“DIRECTV”) hereby requests extension of its Special Temporary Authority (“STA”) for up to an additional 30 days to conduct in-orbit testing and telemetry, tracking and control (“TT&C”) operations for the DIRECTV 12 satellite (call sign S2797) while at 76° W.L., from its Castle Rock, Colorado and New Hampton, New Hampshire earth stations (call signs E070027 and E090076, respectively). DIRECTV has conducted IOT using these earth stations pursuant to initial STAs,<sup>1</sup> and seeks permission to perform additional tests for a period of approximately 30 days using the same operational parameters as its initial tests. DIRECTV has cleared its proposed operations with NTIA, and hereby agrees to accept all terms and conditions imposed with respect to its initial STAs.

The requested STA will serve the public interest by ensuring that the DIRECTV 12 satellite is properly tested to assure that it will operate safely and in good working order so that it can make productive use of valuable spectrum/orbital resources as soon as possible. Accordingly, DIRECTV respectfully requests that the Commission grant this STA request as expeditiously as possible.

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<sup>1</sup> See Grant Stamps, IBFS File Nos. SES-STA-20091202-01520 and -01526 (Feb. 12, 2010).