

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Earth Station STA Application (Boca Raton, FL)

**1. Applicant**

<b>Name:</b>	Spire Global, Inc.	<b>Phone Number:</b>	415-356-3400 x351
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	33 Norfolk Street	<b>E-Mail:</b>	jonathan.rosenblatt@spire.com
<b>City:</b>	San Francisco	<b>State:</b>	CA
<b>Country:</b>	USA	<b>Zipcode:</b>	94103 -
<b>Attention:</b>	Jonathan Rosenblatt		


60 days "with conditions"

**File #** SES-STA-20160324-00297

**Call Sign** E160035 **Grant Date** 04/28/2016  
(or other identifier)

**Term Dates**  
**From** 04/28/2016 **To** 06/27/2016

**Approved:** [Signature]



Applicant: Spire Global, Inc.  
File No.: SES-STA-20160324-00297  
Call Sign: E160035  
Special Temporary Authority (STA)

Spire Global Inc. (Spire Global) is granted STA for 60 days to operate its earth station in Boca Raton, FL, with nine LEMUR 2 Phase 1 non-geostationary orbit (NGSO) satellites in: 1) 402-403 MHz (Earth-to-space) frequency band to transmit command signals; and 2) 402-403 MHz (space-to-Earth) frequency band to receive telemetry and tracking signals and as a backup data downlink channel on the following conditions:

1. The STOP BUZZER POC information, for launch operations shall be provided to NTIA ([bmitchell@ntia.doc.gov](mailto:bmitchell@ntia.doc.gov)) and DOC/NOAA ([alfredo.mistichelli@noaa.gov](mailto:alfredo.mistichelli@noaa.gov)). This phone shall be manned 24/7.
2. Spire shall be aware that future non-federal licenses/STA's for additional earth stations or satellites will be considered on a case-by-case basis, especially for requests in the band 402-403 MHz, and Spire shall have no expectations that future licenses will be approved. For future missions, transition of TT&C links out of the 402-403 MHz band is recommended.
3. Operations will be limited to the coordinated power and emissions.
4. In the event of any harmful interference as a result of operations under this grant of STA, Spire Global shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
5. All operations shall be on an unprotected, non-interference basis to both government and non-government operations.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Spire Global's own risk.
7. Spire Global's point of contact for the STA operation is telephone number 1(415) 356-3400 extension 307, San Francisco, California and must be available while the frequencies are in use.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding any pending or future Spire Global applications.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.



File # SES-STA-20160324-00297  
Call Sign E160035 Grant Date 4/28/2016  
(or other identifier)  
Term Dates  
From 4/28/2016 To: 6/27/2016  
Approved: Paul E. Hill

**Request for Special Temporary Authority**

Spire Global, Inc. (“Spire”) hereby requests special temporary authority (“STA”) for 60 days,<sup>1</sup> beginning April 8, 2016, to commence operations of the earth stations identified in Attachment 1 to this exhibit, consistent with the technical parameters specified in the associated, pending applications for regular authority.<sup>2</sup> The applications for regular or permanent authority to operate the earth stations cannot be processed and granted prior to the deployment of the nine LEMUR satellites that are aboard the Atlas V (Cygnus) vehicle that was launched on March 22, 2016.<sup>3</sup> Accordingly, an STA is necessary for Spire to communicate with those satellites, including for in-orbit testing and transmission of telemetry, tracking, and command signals. The Commission has previously found that the grant of earth station STAs to communicate with satellites, pending the processing of permanent applications, serves the public interest, convenience, and necessity by allowing for the deployment of new and additional satellite services in a timely manner.<sup>4</sup> For these same reasons, the FCC should grant this STA allowing Spire to bring into service the nine LEMUR satellites in a timely manner.<sup>5</sup>

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<sup>1</sup> See 47 C.F.R. § 25.120(b)(3).

<sup>2</sup> See Attachment 1 (identifying the applicable IBFS file number for each earth station application for regular authority). Spire is contemporaneously submitting separate STA applications for each earth station. To the extent necessary, Spire incorporates by reference the waivers requested in the associated earth station applications for regular authority.

<sup>3</sup> See Stamp Grant, Spire Global, Inc., SAT-LOA-20151123-00078 (granted Mar. 18, 2016).

<sup>4</sup> See, e.g., Stamp Grant, DG Consents Sub, Inc., SES-STA-20140717-00605 (granted Aug. 12, 2014); Stamp Grant, EchoStar Broadcasting Corporation, SES-STA-20130108-00019 (granted Jan. 10, 2013); Stamp Grant, Inmarsat Hawaii Inc., SES-STA-20080311-00275 (granted Apr. 4, 2008).

<sup>5</sup> Spire understands that its authorized operations will be on an unprotected, non-harmful interference basis.

<b>2. Contact</b>			
<b>Name:</b>	Trey Hanbury	<b>Phone Number:</b>	202-637-5534
<b>Company:</b>	Hogan Lovells US LLP	<b>Fax Number:</b>	
<b>Street:</b>	555 13th Street, NW	<b>E-Mail:</b>	trey.hanbury@hoganlovells.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20004 -
<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 SESLIC2016031700249 or Submission ID			
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 checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other			
6. Requested Use Prior Date			
04/08/2016			



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