


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Extension of LEOP STA E960131 Tempe 5/17

**1. Applicant**

**Name:** Iridium Satellite LLC **Phone Number:** 703-287-7518  
**DBA Name:** **Fax Number:**  
**Street:** 1750 Tysons Boulevard **E-Mail:** maureen.mclaughlin@iridium.com  
Suite 1400  
**City:** McLean **State:** VA  
**Country:** USA **Zipcode:** 22102  
**Attention:** Ms Maureen C McLaughlin

File # SES-STA-20170523-00591  
E960131  
Call Sign 8-11-A Grant Date 8-11-17  
(or other identifier)  
Terms Dates  
From: 8-11-17 To: 2-27-18  
Approved: [Signature]



**GRANTED**  
International Bureau

Iridium Satellite LLC  
Call Sign E960131  
File Number SES-STA-20170523-00591

Iridium Satellite LLC is granted Special Temporary Authority for 180 days starting August 11, 2017, to provide LEOP service to the Iridium NEXT NGSO satellites and to operate at a U.S. licensed authorize gateway earth station located in Tempe, AZ in the 29.1-29.3 GHz (Earth-to-space) and the 19.4-19.6 GHz (space-to-Earth) frequency bands under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested and coordinated.
2. Operations, shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
3. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measure must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
4. Operations shall be consistent with applicable coordination agreements and satellite authorized bands.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Iridium Satellite LLC's risk.
6. Grant of this STA is without prejudice to any determination that the Commission may make regarding other pending or future Iridium Satellite LLC applications.
7. Continued operations of SES-STA-20161013-00838 with NEXT NGSO satellites during this extension was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. §1.62.

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 upon release.



File # SES-STA-2017-0523-00591  
Call Sign E960131 Grant Date 8-11-17  
(or other identifier)  
Term Dates  
From: 8-11-17 To: 2-7-18  
Approved: Paul E Black

**2. Contact**

**Name:** Joseph A. Godles Esq. **Phone Number:** 202-429-4900  
**Company:** Goldberg, Godles, Wiener & Wright LLP **Fax Number:** 202-429-4912  
**Street:** 1025 Connecticut Ave, NW E-Mail: jgodles@g2w2.com  
Ste 1000  
**City:** Washington **State:** DC  
**Country:** USA **Zipcode:** 20036  
**Attention:** 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 SESSTA2016080400719 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. City Tempe	8. Latitude (dd mm ss.s h) 33 20 32.2
9. State AZ	10. Longitude (dd mm ss.s h) 111 53 48.5
11. Please supply any need attachments.  Attachment 1: Extension 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.)  Iridium Satellite LLC ('Iridium') pursuant to 47 CFR ss 25.120, and for the reasons set forth herein, requests special temporary authority ('STA') to operate its gateway earth station E960131 in Tempe, AZ in the manner described during the launch and early operations phase ('LEOP') of the Iridium NEXT constellation of satellites.	
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.      Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Maureen C. McLaughlin	15. Title of Person Signing Vice President, Public Policy
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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**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**

## REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORITY

Iridium Satellite LLC and Iridium Constellation LLC (collectively, "Iridium"), pursuant to Section 25.120 of the Commission's Rules, hereby request an extension of special temporary authority ("STA") to operate their gateway earth stations located in Tempe, Arizona; Chandler, Arizona; and Fairbanks, Alaska, in the manner identified below.<sup>1</sup> Iridium seeks an extension of 180 days commencing on June 4, 2017.

The STAs Iridium seeks to extend initially were granted for 30 days and then for 180 days.<sup>2</sup> These STAs authorize Iridium to operate the tracking, telemetry, and command ("TT&C") links at its Tempe, Chandler, and Fairbanks gateway earth stations in accordance with specified parameters during the launch and early operation phase ("LEOP") of its Iridium NEXT constellation.

Launch and early operations are ongoing. When fully deployed, Iridium NEXT will consist of 66 operational satellites plus in-orbit spares. Iridium launched the first ten Iridium NEXT satellites in January, and ten additional satellites are scheduled to be launched in late June.

Iridium's STA extension request is supported by good cause. By granting Iridium's initial STA requests, the Commission already has determined that the operations proposed in this extension request are in the public interest. Grant of an extension will provide continuing authority for these operations while LEOP continues.

Moreover, Iridium demonstrated in its initial STA requests that operating in the manner described therein presents no concerns with interference to the LMDS stations, Fixed Service stations, and Fixed-Satellite Service stations that share Iridium's TT&C/feeder link band. The same will be true of Iridium's operations under the STAs as extended, which will be technically identical to the originally-described operations.

### Conclusion

Accordingly, and for good cause shown, Iridium respectfully asks that its STA extension request be granted.

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<sup>1</sup> The call signs for these gateway earth stations are E050282, E060300, E960131, and E960244. The licensee of the first three call signs is Iridium Satellite LLC. The licensee of the fourth call sign is Iridium Constellation LLC. This exhibit accompanies separate STA requests that Iridium is filing for each call sign.

<sup>2</sup> Call sign E960244, SES-STA-20160804-00716; call sign E060300, SES-STA-20160804-00717; call sign E050282, SES-STA-20160804-00718; and call sign E960131, SES-STA-20160804-00719.