

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 E960244 Chandler 5/17

1. Applicant

Name: Iridium Constellation LLC Phone Number: 703-287-7518
DBA Name: Phone 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-20170523-00592
29160244 Grant Date 8-1-17
Call Sign (or other identifier)
Term Dates
From: 8-1-17 To: 1-31-18
Approved: Maureen C McLaughlin



Iridium Constellation LLC
Call Sign E960244
File Number SES-STA-20170523-00592

Iridium Constellation LLC is granted Special Temporary Authority for 180 days starting August 01, 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 Chandler, AZ in the 29.1-29.3 GHz (Earth-to-space) frequency band and in the 19.4-19.6 GHz (space-to-Earth) frequency band 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 Constellation LLC's risk.
6. Continued operations of SES-STA-20161013-00836 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-20170523-00592
E960244
Call Sign E960244 Grant Date 8-1-17
(or other identifier)
Term Dates
From: 8-1-17 To: 1-28-18
Approved: Paul E. Piles

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@gzw2.com
Ste 1000
City: Washington **State:** DC
Country: USA **Zipcode:** 20036
Attention: **Relationship:** 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 SESSTA2016080400716 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. CityChandler	8. Latitude (dd mm ss.s h) 33 15 59.4
9. State AZ	10. Longitude (dd mm ss.s h) 111 52 56.4
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.) <div style="border: 1px solid black; padding: 5px;">Iridium Constellation LLC ('Iridium') pursuant to 47 CFR ss 25.120, and for the reasons stated herein requests extension of its special temporary authority ('STA') to operate its gateway earth station E960244 in Chandler, AZ in the manner described herein during the launch and early operations phase ('LEOP') of the Iridium NEXT constellation of satellites.</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. <p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.¹ 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.² 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.

¹ 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.

² 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.