

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
O3b STA to continue Bristow (Dec 2014) – 180 days

I. Applicant

Name: O3b Limited **Phone Number:** 202-813-4026
DBA Name: **Fax Number:**
Street: 900 17th Street, NW, #300 **E-Mail:** suzanne.malloy@o3bnetworks.com
City: Washington **State:**
Country: USA **Zipcode:**
Attention: Ms Suzanne Malloy

180 days
with conditions
File # SES-STA-20141212-00897
Call Sign B130107 **Grant Date** 04/14/2015
(or other identifier) **Term Dates**
From 04/14/2015 **To:** 10/12/2015
Approved: *[Signature]*



O3b Limited
Call Sign: E130107
File Number: SES-STA-20141212-00897
Special Temporary Authority

O3b Limited (O3b) is granted extension Special Temporary Authority (STA) for 180 days, to conduct testing and provide support to O3b's in-orbit non-geostationary orbit (NGSO) fixed-satellite service (FSS) space station system licensed by United Kingdom in the frequency bands: 17852.0-18068 MHz, 18112.0-18328.0 MHz, 18372-18588.0 MHz, 18801.0-19017.0 MHz, 19055.0-19271.0 MHz (space-to-Earth), and 27652.0-27868.0 MHz, 27912.0-28128.0 MHz, 28172.0- 28388.0 MHz, 28601.0-288817.0 MHz, 28855.0-29071.0 MHz (Earth-to-space) frequency bands via the fixed earth station with two 2.4 meter General Dynamics Satcom antennas located at Bristow, Virginia. This grant of STA is subject to the following conditions:

- 1) Operations under this STA 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.
- 2) Grant of this STA is without prejudice to any determination that the Commission may make regarding other pending and or future O3b applications, e.g., IBFS File SES-LIC-20130618-00516.
- 3) This authorization does not constitute grant of Market Access for O3b's NGSO FSS system.
- 4) 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 measures must also be taken to restrict access to other regions in which the antennas' power flux-density levels exceed the specified guidelines.
- 5) Transmissions authorized herein must comply with coordination agreements reached between the United Kingdom and other Administrations, including all coordination agreements reached between the United Kingdom and the United States.
- 6) The total power at the antenna flange for all carriers must not exceed 35.9 Watts.
- 7) The power flux-density at the Earth's surface produced by emissions from O3b's NGSO FSS system for all methods of modulation shall not exceed the levels established in 47 C.F.R. §§ 25.208(c),(e) and Article 21 of the ITU Radio Regulations.
- 8) The operations of the O3b NGSO FSS satellite system must not exceed the EPFD limits in Nos. 22.5C, 22.5D, and 22.5F of the ITU Radio Regulations.
- 9) O3b may not receive transmissions from O3b's NGSO FSS system in the 17.8-18.6 and 18.8-19.3 GHz frequency bands (space-to-Earth) until O3b has completed coordination of its NGSO FSS system with all Federal FSS systems in the 17.8-18.6 and 18.8-19.3 GHz frequency bands under 47 C.F.R. § 2.106, Footnote US334.
- 10) O3b satellite transmissions must be conducted in accordance with the coordination agreement between O3b and U.S government systems signed on January 17, 2013 with the Department of Defense.

11) This STA is limited to operations associated with testing, satellite monitoring, and customer demonstrations. O3b may not provide any commercial service under this STA.


12) Operations in the 17.8-18.3 GHz band does not conform to the U.S. Table of Frequency Allocations, 47 C.F.R §2.106, but is being granted only at this location for the limited purposes of demonstrating the O3b system's capabilities to potential government customers and that grant of this STA is without prejudice to any determination that the Commission may make regarding authorizations for government or commercial fixed satellite service in the 17.8-18.3 GHz band within the U.S.

13) Any action taken or expense incurred as a result of operations pursuant to this STA is solely at O3b's risk.

14) Operations of this station during the period from expiration of SES-STA-20140514-00357 to the grant of this special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. 1.62.

15) 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.

180 days "with conditions"



GRANTED
International Bureau

File# SES-STA-20141212-00897

Call Sign E130107 Grant Date 04/14/2015
(or other identifier)

Term Dates
From 04/14/2015 To: 10/12/2015

Approved: Paul E. Blawie

2. Contact

Name: Joseph A. Godles **Phone Number:** 202-429-4900
Company: Goldberg Godles Wiener & Wright LLP **Fax Number:** 202-429-4912
Street: 1229 19th St., NW **E-Mail:** jgodles@g2w2.com
City: Washington **State:** DC
Country: USA **Zipcode:** 20036 -2413
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 SESSTA2014051400357 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

12/31/2014

7. City Bristow	8. Latitude (dd mm ss.s h) 38 47 0.0 N
9. State VA	10. Longitude (dd mm ss.s h) 77 34 25.8 W
11. Please supply any need attachments. Attachment 1: STA extension 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;"> Applicant herein seeks Special Temporary Authority to continue operation of its Bristow Earth Station to support post-launch operations. </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.	
14. Name of Person Signing Suzanne Malloy	15. Title of Person Signing Vice-President, Regulatory Affairs
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

The International Bureau previously granted the request filed by O3b Limited (“O3b”) for special temporary authority (“STA”)¹ to operate its 2.4m earth station located in Bristow, Virginia (the “Virginia Earth Station”) in accordance with the parameters specified in its underlying license application,² and extended the STA through December 30, 2014.³

Pursuant to Section 25.120 of the Commission’s rules,⁴ O3b hereby requests a further extension of its STA covering the 180-day period between December 31, 2014, and June 29, 2015.

O3b’s extension request is supported by good cause. An extension will enable O3b to continue to monitor the O3b system so that it may identify and resolve space station and system anomalies. By granting O3b’s initial STA request, the Bureau already has found that facilitating these activities is in the public interest.

Accordingly, and for good cause shown, O3b respectfully requests that its STA extension request be granted.

¹ FCC File No. SES-STA-20130617-00497.

² FCC File No. SES-LIC-20130618-00516, Call Sign E130107.

³ FCC File No. SES-STA-20140514-00357.

⁴ 47 C.F.R. § 25.120.