

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Bristow (DISA testing) STA - 180 day extension (Dec 2014)

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-20141212-00898



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

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

Approved: Paul E Hall

Applicant: O3b Limited  
Call Sign: No Call Sign  
File No.: SES-STA-20141212-00898  
Special Temporary Authority (STA)

O3b Limited is granted an extension STA for 180 days to conduct non-commercial testing and provide demonstration purposes on frequency bands 28.35- 28.4 GHz, 28.6-29.1 GHz (Earth-to-space) and 18.3-18.6 GHz/18.8-19.1 GHz (space-to-Earth) via two 1.2meter antennas at Bristow, Virginia (38 deg 47; 00"N.L/077 deg 34' 25.8" W.L.) to communicate with O3b's NGSO satellite system. 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-20150310-00138.
- 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 60.5 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 EPPD 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) 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.

11) 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.

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


13) 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.

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

15) Operations of this station during the period from expiration of SES-STA-20141007-00790 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.

16) 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"*

 <b>GRANTED</b> International Bureau	<b>File #</b> <u>SES-STA-20141212-00898</u>
	<b>Call Sign</b> <u>N/A</u> <b>Grant Date</b> <u>04/14/2015</u> (or other identifier)
	<b>Term Dates</b> <b>From</b> <u>04/14/2015</u> <b>To</b> <u>10/12/2015</u>
	<b>Approved:</b> <u>Paul E. Gray</u>

**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 Street, 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 SESSTA2014100700790 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

12/22/2014

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;">O3b Limited hereby requests extension of its Special Temporary Authority to operate an earth station to be located at its Bristow, Virginia facility that will communicate with its satellite system. O3b seeks a 180-day STA for the period between December 22, 2014, and June 20, 2015.</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 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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## Request for Extension of Special Temporary Authority

The International Bureau previously granted the request filed by O3b Limited ("O3b") for special temporary authority ("STA") to conduct tests using two 1.2m earth stations via the O3b satellite system at the O3b facility in Bristow, VA<sup>1</sup> and extended the STA through December 21, 2014.<sup>2</sup>

Pursuant to Section 25.120 of the Commission's rules,<sup>3</sup> O3b hereby requests a further extension of its STA covering the 180-day period between December 22, 2014, and June 20, 2015.

O3b's extension request is supported by good cause. An extension will enable O3b to continue its testing and evaluation of O3b services that could benefit the U.S. Department of Defense. 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.

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<sup>1</sup> FCC File No. SES-STA-20140912-00730.

<sup>2</sup> FCC File No. SES-STA-20141007-00790.

<sup>3</sup> 47 C.F.R. § 25.120.