

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
180 Day STA Extension for Bristow O3b All Beams Demo Jan 2016

1. Applicant

Name:	SES Government Solutions, Inc.	Phone Number:	703-610-0906
DBA Name:		Fax Number:	703-610-1030
Street:	11790 Sunrise Valley Drive Suite 300	E-Mail:	joe.oloughlin@ses-gs.com
City:	Reston	State:	VA
Country:	USA	Zipcode:	20191
Attention:	Mr Joseph A O'Loughlin		



File # SES-STA-2016000331
Call Sign 3-11-16 Grant Date 3-11-16
(or other identifier)
Term Dates
From: 3-11-16 To: 9-7-16
Approved: [Signature]

Applicant: SES Government Solutions, Inc.
File Number: SES-STA-20160129-00108
Call Sign: None
Special Temporary Authority (STA)



File # SES-STA-20160129-00108
Call Sign _____ Grant Date 3-11-16
(or other identifier)
Term Dates
From: 3-11-16 To: 9-7-16
Approved: Karl E. Blum

SES Government Solutions, Inc. (SES Government Solutions) is granted extension of STA for 180 days to operate a fixed satellite earth station with two 1.8 meter GD/Prodelin model GDST-1.8M antennas located at a facility in Bristow, Virginia (38 deg 47' 0.25" N.L./077 deg 34' 24.5" W.L.) to communicate with 03b's in-orbit NGSO FSS satellite system, licensed by the United Kingdom, in the: 17.852-18.068GHz, 18.112-18.328GHz, 18.372-18.588GHz, 18.801- 19.017 GHz, 19.055-19.271GHz (space-to-Earth), and 27.652-27.868GHz, 27.912-28.128GHz, 28.172-28.388GHz, 28.601-28.817GHz, 28.855-29.071 GHz (Earth-to-space) frequency bands under the following conditions:

1. SES Government Solutions 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 authorization is without prejudice to any determination that the Commission may make regarding any other pending or future application seeking to communicate with the 03b satellite systems.
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 measures must also be taken to restrict access to other regions in which the antennas' power flux-density levels exceed the specified guidelines.
4. This authorization does not constitute grant of Market Access for 03B's NGSO FSS system.
5. Operations under this authority are on a non-interference basis only.
6. Operations under this authority are on a non-protected basis only.
7. The total power at the antenna flange for all carriers must not exceed 40 Watts.
8. The power flux-density at the Earth's surface produced by emissions from 03b's NGSO FSS system for all methods of modulation shall not exceed the levels established in 47 C.F.R. § 25.308(c), (e) and Article 21 of the ITU Radio Regulations.
9. The operations of the 03b NGSO FSS satellite system must not exceed the EPFD limits in Nos. 22.5C, 22.5D, and 22.5F of the ITU Radio Regulations.
10. 03b satellite transmissions must be conducted in accordance with the coordination agreement between 03b and U.S. government systems signed on January 17, 2013 with

the Department of Defense.

11. 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.

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

13 . In the event that there is a report of interference, SES Government Solutions must immediately terminate transmissions and notify the FCC in writing.

14. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES Government Solutions 's own risk.

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.

2. Contact	
Name: Karis Hastings	Phone Number: 202-599-0975
Company: SatCom Law LLC	Fax Number:
Street: 1317 F Street, N.W. Suite 400	E-Mail: karis@satcomlaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -
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 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 Bristow	8. Latitude (dd mm ss.s h) 38 47 0.25 N

9. State	VA	10. Longitude (dd mm ss.s h)	77	34	24.5	W
11. Please supply any need attachments.						
Attachment 1:			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.)						
SES Government Solutions (SES-GS) seeks a 180-day extension of the special temporary authority it was granted in File No. SES-STA-20150730-00481 to operate an earth station in Bristow, VA, with the 03b U.K.-licensed non-geostationary Ka-band satellite system (call sign S2935). As with the prior STA, SES-GS seeks to operate in the 27.6-28.4 GHz and						
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		☐ No	
14. Name of Person Signing Joseph A. O'Loughlin			15. Title of Person Signing CTO			
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.

12. Description

SES Government Solutions (SES-GS) seeks a 180-day extension of the special temporary authority it was granted in File No. SES-STA-20150730-00481 to operate an earth station in Bristow, VA, with the O3b U.K.-licensed non-geostationary Ka-band satellite system (call sign S2935). As with the prior STA, SES-GS seeks to operate in the 27.6-28.4 GHz and 28.6-29.1 GHz uplink bands and the 17.8-18.6 GHz and 18.8-19.3 GHz downlink bands for testing and demonstration purposes only. SES-GS incorporates by reference the supporting materials it submitted in File No. SES-STA-20150126-00037.