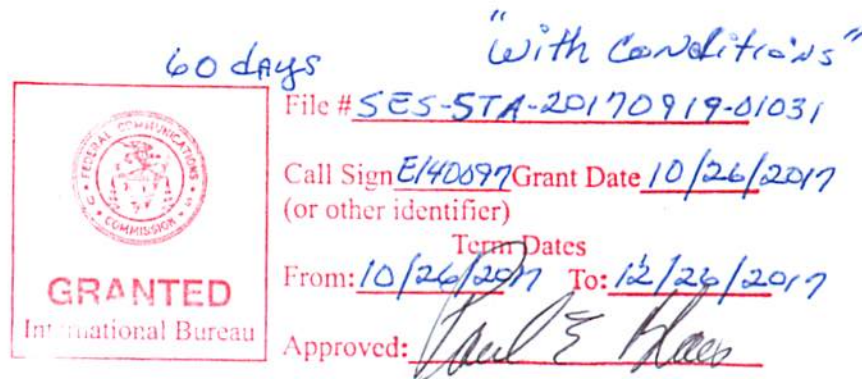

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA for test operations on IS-33E and E10A pending Modification, 25 Oct-25 Dec 2017

1. Applicant

Name:	The Boeing Company	Phone Number:	206-544-6053
DBA Name:		Fax Number:	206-662-0701
Street:	PO Box 3707	E-Mail:	
City:	Seattle	State:	WA
Country:	USA	Zipcode:	98124 -2207
Attention:	Allen S. Lindsay		



Applicant: The Boeing Company
Call Sign: E140097
File No.: SES-STA-20170919-01031

The Boeing Company ("Boeing") is granted a Special Temporary Authority for 60 days, beginning October 26, 2017 for communications between Earth Stations Aboard Aircraft (ESAA) stations with Intelsat IS-33E(S2939) satellite at the 60° E.L. orbital location using center frequencies 14234.95 MHz (Earth-to-space) and 11464.95 MHz (space-to-Earth) and with the Eutelsat 10A satellite at the 10.0 E.L. orbital location using center frequencies 14107.0 MHz (Earth-to-space) and 11513.0 MHz (space-to-Earth) under the following conditions:

1. Operations shall not cause harmful interference to or claim protection from other lawfully operating stations 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 pending or future Boeing applications.
3. Applicant shall utilize Antennas with the following output limits: Boeing Phased Array Antenna, MELCO Reflector Terminal, and TECOM KuStream 1500 with respective maximum aggregate output EIRP for all carriers of 51.2 dBw, 46.7 dBw and 44.8 dBw.
4. Grant of this authorization does not authorize U.S. Market Access of Eutelsat 10A for earth stations operating in the US&P. This grant authorizes operations with Eutelsat 10A only from ESAA stations operating outside the US&P.
5. 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. *See The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety)*
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Boeing's risk.
7. Should an emergency situation exists the applicant must notify FCC OperationCenter@fcc.gov of the situation with a copy to paul.blais@fcc.gov.

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.



File # SES-STA-20170919-01031

Call Sign E140097 Grant Date 10/26/2017
(or other identifier)

Term Dates
From: 10/26/2017 To: 12/26/2017

Approved: [Signature]

"With Conditions"

APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 25.120 of the Commission's rules, the Boeing Company ("Boeing") requests special temporary authority ("STA") to permit communications between its licensed Earth Stations Aboard Aircraft ("ESAA")¹ terminals and Intelsat IS-33E (IS-33E) and Eutelsat 10A (E10A) as authorized points of communication.²

The Boeing Broadband Satellite Network ("BBSN") currently operates with multiple satellite points of communications, IS-33E and E10A are being added to increase the satellite footprint which is necessary to support Boeing's operations on behalf of the United States Government. Boeing has therefore applied to modify its ESAA license to begin operating using IS-33E and E-10A.³ This STA request is filed to permit testing to begin with the new satellites during the pendency of the modification application. Boeing requests that this approval be provided by October 25, 2017 and extend for a period of sixty days.

¹ Application of The Boeing Company for Authority to Operate Up to 100 Earth Stations Aboard Aircraft, Call Sign E140097, File Not. SES-LIC-20140922-00748 (Granted Mar. 18, 2015) ("Boeing ESAA Application").

² IS-33E Call Sign S2939; *Known as Eutelsat E10A, W2A (M0311)*

³ Application of The Boeing Company, File No. SES-MFS-20170912-00997 (Filed Sept. 12, 2017).

2. Contact	
Name: The Boeing Company	Phone Number: 206-544-6053
Company:	Fax Number: 206-662-0701
Street: PO Box 3707	E-Mail:
City: Seattle	State: WA
Country: USA	Zipcode: 98124 -2207
Attention:	Relationship: Other
(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 SESMFS2017091200997 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 10/25/2017	
7. City N/A	8. Latitude (dd mm ss.s h) 0 0 0.0 N

9. State AK	10. Longitude (dd mm ss.s h) 0 0 0.0 W
11. Please supply any need attachments. Attachment 1: 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.) <div style="border: 1px solid black; padding: 10px; min-height: 80px;"> STA for test operations on IS-33E and E10A pending Modification </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. <div style="text-align: right;"> <input checked="checked" type="radio"/> Yes <input type="radio"/> No </div>	
14. Name of Person Signing Ronald E Center	15. Title of Person Signing Manager
<p style="text-align: center;"> 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). </p>	

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