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APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA to add E172B during the pendency of Modification application.

1. Applicant

Name:	The Boeing Company	Phone Number:	206-544-6044
DBA Name:		Fax Number:	206-662-0701
Street:	PO Box 3707	E-Mail:	
City:	Seattle	State:	WA
Country:	USA	Zipcode:	98124 -2207
Attention:	Ronald Center		


60 days *"with conditions"*

File # SES-STA-20171006-01107

Call Sign E140097 Grant Date 11/17/2017
(or other identifier)

Term Dates
From: 11/17/2017 To: 01/16/2018

Approved: *[Signature]*



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Applicant: The Boeing Company
Call Sign: E140097
File No.: SES-STA-20171006-01107

The Boeing Company ("Boeing") is granted a Special Temporary Authority for 60 days, beginning November 17, 2017 for test communications between Earth Stations Aboard Aircraft (ESAA) stations with Eutelsat 172B (S3021) satellite at the 172° E.L. orbital location in the frequency bands 14000-14500 MHz (Earth-to-space) and 11450-11700 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 172B for earth stations operating in 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 exist 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.


60 days "With Conditions"

File # SES-STA-20171006-01107

Call Sign E140097 Grant Date 11/17/2017
(or other identifier)

Term Dates
From: 11/17/2017 To: 01/10/2018

Approved: [Signature]



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 Eutelsat E172B (E172B) as authorized points of communication.²

The Boeing Broadband Satellite Network ("BBSN") currently operates with multiple satellite points of communications, including satellite E172A at orbital location 172° E.L. The E172A satellite is scheduled to be replaced during the 4th quarter of 2017. Boeing has identified the E172B satellite as a suitable replacement 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 the E172B satellite.³ This STA request is filed to permit testing to begin with the new satellite during the pendency of the modification application. Boeing requests that this approval be provided by November 15, 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 E172B Call Sign S3021.

³ Application of The Boeing Company, File No. SES-MOD-20171003-01092 (Filed October 3, 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:
(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 SESMOD2017100301092 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 11/15/2017	
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: E17B STA Narrative Attachment 2: Frequency Info 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; margin: 10px 0;">STA to begin testing operations on E172B during the pendency of Modification application.</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Ron E Center	15. Title of Person Signing Manager
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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