

SES-STA-20100401-00383
The Boeing Company

IB2010001053

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:

C-Band Terminal – Milford, Ohio

1. Applicant

Name:	The Boeing Company	Phone Number:	866-248-1493
DBA Name:		Fax Number:	206-544-6592
Street:	Attn PO Box 3707	E-Mail:	bob.douglass@boeing.com
City:	Seattle	State:	WA
Country:	USA	Zipcode:	98124 -2207
Attention:	Mr Robert B Douglass		



File # SES-STA-20100401-00383

Call Sign _____ Grant Date 4/22/10
(or other identifier)

Term Dates
From 4/22/10 To: 5/22/10

Approved Jeanette D. Spriggs

2. Contact	
Name: Ronald E Center Company: The Boeing Company Street: P.O. Box 3707 City: Seattle Country: USA Attention: Freq Mgt Svcs M/C	Phone Number: 206-544-6044 Fax Number: E-Mail: ronald.e.center@boeing.com State: WA Zipcode: 98124 -2207 Relationship: Same
(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 SESSTA2010032400351 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 type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date 04/22/2010	
7. City Milford	8. Latitude (dd mm ss.s h) 39 10 53.8 N

9. State OH	10. Longitude (dd mm ss.s h) 84 17 2.4 W
11. Please supply any need attachments. Attachment 1: Description Attachment 2: Freq Coordination Attachment 3: Felony Statement	
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; margin: 10px 0;">Request for 30 day extension of SES-STA-20100324-00351.</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 Robert B Douglass	15. Title of Person Signing Manager, Spectrum Management
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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**Special Temporary Authority for VSAT Terminal Operations,
30 Day Extension of SES-STA-20100324-00351**

04/01/2010

Submitted by

Ronald E Center
The Boeing Company
Frequency Management Services MC: 2T-22
P.O. Box 3707
Seattle, WA 98124-2207
206-544-6044 Office
866-248-1493 Toll Free

This is request for an extension of the Special Temporary Authority SES-STA-20100324-00351, and Boeing requests a start date of April 22, 2010 to allow for uninterrupted operation for an additional 30 days in support of this temporary communications requirement. This STA extension supports temporary use of a C-band satellite terminal using leased satellite service from a U.S. licensed provider, via satellite Galaxy-13/Horizon-1.

The earth terminal to be used is a Prodelin 2.4 Meter dish, Model 1244. The system will be operated from Milford, OH. The specifications of the operation are listed below. The RadHaz study is provided following the technical data.

General Information:

Site Location: 39-10-53.8N; 84-17-2.4W, NAD 83

Ground Elevation AMSL: 176.1 Meters

Satellites: Galaxy-13/Horizon-1, located at 127 Degrees West

Period: April 22, 2010 through May 22, 2010.

**Special Temporary Authority for VSAT Terminal Operations,
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Antenna Data

Quantity: 1

Antenna Manufacturer: Prodelin

Model: 1244

Antenna Size: 2.4 Meters

Antenna Transmit Gain: 42 dBi at 6137.5 MHz

Antenna Receive Gain: 38 dBi at 3912.5 MHz

Antenna Power Limits

Antenna Height Above Ground Level: 3 Meters

Antenna Height Above Sea Level: 179.1 Meters

Building Height: N/A – Antenna operated at ground level.

Total Input Power at Antenna Flange: 6.4 Watts

Antenna Height Above Rooftop: N/A

Total EIRP for all Carriers: 50.06 dBW

Frequency Limits

Satellite Arc, Eastern Limit: 127 Degrees West

Satellite Arc, Western Limit: 127 Degrees West

Antenna Elevation Angle, Eastern Limit: 27 Degrees

Antenna Elevation Angle, Western Limit: 27 Degrees

Earth Station Azimuth Limit, Eastern Limit: 235.6 Degrees True

Earth Station Azimuth Limit, Western Limit: 235.6 Degrees True

Maximum EIRP density towards the Horizon (dBW/4KHz): -23.77 dBW/4KHz

**Special Temporary Authority for VSAT Terminal Operations,
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Particulars of Operation

Frequency Band of Operation:

Transmit: 5927 - 5963 MHz

Receive: 3700 - 4200 MHz

Antenna Polarization: Linear

Band MHz	T/R Mode	Emission	Max EIRP dBW	Max EIRP Density dBW/4KHz
3700 - 4200	R	1M28G7D	0	0
5927 - 5963	T	1M28G7D	50.06 dBW	25.01 dBW/4KHz