Approved by OMB
3060–0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu:
Prodelin 1244 Milford Ohio

1. Applicant

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

"30days"

FEDERAL COMMUNICATIONS COMMISSION
GRANTED
International Bureau

File # SES-STA-20100324-00351
Call Sign N/A (or other identifier) Grant Date 03/24/2010
Term Dates
From 03/24/2010 To: 04/22/2010
Approved: Eleanor M. Lott

2. Contact

Name:	Ronald E Center	**Phone Number:**	206-544-6044
Company:	The Boeing Company	**Fax Number:**	
Street:	P.O. Box 3707	E-Mail:	ronald.e.center@boeing.com
City:	Seattle	**State:**	WA
Country:	USA	**Zipcode:**	98124 -2207
Attention:	Freq Mgt Svcs M/C	**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 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 03/29/2010	
7. CityMilford	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: STA Requirement Attachment 2: Frequency Coord Attachment 3: Felony Disclosure

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.)

This Special Temporary Authority is required to support Boeing Company communications requirements.

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 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.

03/23/2010

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 STA is required to support temporary use of a C-band satellite terminal using leased satellite service from a U.S. licensed provider, via satellite Galaxy-13/Horizon-1. This STA supports temporary operations at the defined location.

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 as a separate attachment.

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: March 29, 2010 through May 29, 2010.

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

Special Temporary Authority for VSAT Terminal Operations.

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

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