

E120092
ViaSat, Inc.

SES-STA-20120529-00487

IB2012001318

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:
Ka-TT Temporary-Fixed STA application

1. Applicant

Name:	ViaSat, Inc.	Phone Number:	760-476-2583
DBA Name:		Fax Number:	760-929-3941
Street:	6155 El Camino Real	E-Mail:	daryl.hunter@viasat.com
City:	Carlsbad	State:	CA
Country:	USA	Zipcode:	92009 -
Attention:	Mr Daryl T Hunter		



60 days "with conditions"

File# SES-STA-20120529-00487

Call Sign E120092 Grant Date 08/03/2012
(or other identifier)

Term Dates
From 08/03/2012 To 10/03/2012

Approved: Paul E. Baker

ViaSat Inc.
E120092
SES-STA-20120529-00487
Special Temporary Authority

ViaSat Inc. is authorized, from August 3, 2012, to October 2, 2012, to operate 50 temporary-fixed earth stations to communicate with the ViaSat-1, WildBlue-1 and Anik-F2 satellites under the following conditions.

- 1) All operations 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) All operations shall comply with the technical parameters of SES-LIC-20120525-00480 and grant of this special temporary authority is without prejudice to any determination that the Commission may make regarding pending SES-LIC-20120525-00480 application.
- 3) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at ViaSat Inc. risk.
- 4) International Bureau FCC Satellite Earth Station Condition/Provision 1103: Earth station operations must accept interference from the terrestrial fixed services that have co-primary status with GSO/FSS in the 18.3-18.58 GHz (space-to-Earth) until November 19, 2012 per 47 C.F.R. Section 101.147(r).
- 5) International Bureau FCC Satellite Earth Station Condition/Provision 6568: GSO Earth station operations in the 18.8-19.3 GHz band shall not claim protection from any current or future authorized non-Federal NGSO FSS system that it has not reached a coordination arrangement with or any current or future authorized Federal GSO FSS network or Federal NGSO FSS system.
- 6) International Bureau FCC Satellite Earth Station Condition/Provision 1133: Earth station operations must protect primary NGSO/FSS service from interference in the 28.6-29.1 GHz (Earth-to-space).
- 7) International Bureau FCC Satellite Earth Station Condition/Provision 9662: The 17.8 - 20.2 GHz band is shared with U.S. Government space stations and associated earth stations in the fixed-Satellite Services. Services within the United States over the satellite network of which this is a cooperating earth station are subject to coordination under US334 and operation of the earth station(s) authorized herein will be subject to any technical constraints resulting from this coordination. See 47 C.F.R. Section 2.106, Footnote US334.
- 8) International Bureau FCC Satellite Earth Station Condition/Provision 9970: The waiver requested by ViaSat to operate blanket licensed terminals in the 28.6-29.1 GHz and 18.8-19.3 GHz bands is granted based on the information presented concerning interference mitigation capabilities of VIASAT-1 presented in Narrative Exhibit A of File No. SES-LIC-20101217-01585. We therefore grant a blanket license provided that communications between VIASAT-1 and ViaSat's network of earth terminals not interfere with or seek protection from any primary NGSO operations currently planned or authorized in the future.
- 9) 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.



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File # SES-STA-20120529-00487

Call Sign E120092 Grant Date 08/03/2012
(or other identifier)

Term Dates
From 08/03/2012 To: 10/02/2012

Approved: *Mark E. Hayes*

Description of Request for Special Temporary Authority

ViaSat, Inc. (“ViaSat”) hereby requests special temporary authority (“STA”) to operate 50 temporary-fixed earth stations to communicate with the ViaSat-1, WildBlue-1 and Anik-F2 satellites, each of which has been authorized by the Commission to serve the United States in the proposed frequency ranges. The terminals will utilize the 28.35-29.1 GHz and 29.5-30.0 GHz (uplink) bands and the 18.3-19.3 GHz and 19.7-20.2 GHz (downlink) bands on ViaSat-1 at the nominal 115° W.L. location, and the 29.5-30.0 GHz (uplink) band and the 19.7-20.2 GHz (downlink) band on WildBlue-1 and Anik-F2 at the nominal 111° W.L. location.¹ ViaSat has a pending request for full licensing authority to operate these temporary-fixed terminals. *See* File No. SES-LIC-INTR2012-01313; IB2012001313. That application contains all of the relevant technical parameters for the STA operations. ViaSat requests authority commencing on June 8, 2012 for a period of 60 days.

The requested STA is necessary in order to meet important public safety and government agency needs. ViaSat has been requested by federal law enforcement agencies, military agencies and the American Red Cross to deploy these antennas for emergency response applications and for remote tactical operations. These customers have a critical need for a reliable, high-speed broadband connection that can be deployed remotely. The transportable nature of these terminals allows them to be deployed in locations and in scenarios where other communications equipment is unsuitable. These transportable terminals, operating with ViaSat’s satellite broadband network, would provide these agencies with unparalleled data rates.

Critically, with the commencement of the 2012 hurricane season on June 1, 2012 in the Atlantic coast region, grant of this STA will facilitate the ability of aid and security agencies to obtain these terminals with enough time to train employees on the equipment and to gain experience in operations, thereby allowing these temporary-fixed services to be deployed at the earliest possible time during weather-related emergencies.

The unavailability of these antennas while the full license application leaves these government users and emergency responders with limited and insufficient alternatives in the event of a natural disaster or during law enforcement or military operations. Therefore, an STA is warranted and in the public interest in this case.

ViaSat will make available a 24/7 point of contact in the event that any issues arise in connection with the operations under the requested STA. Personnel will be on duty at all times during the STA period and can be contacted at (720) 493-7300.

¹ ViaSat’s affiliate, WB Holdings 1 LLC, is blanket licensed under call sign E050033 to operate a large number of user terminals in the 19.7-20.2 GHz and 29.5-30.0 GHz bands on WildBlue-1 and Anik-F2.

2. Contact

Name:	Daryl T. Hunter	Phone Number:	760-476-2583
Company:	ViaSat, Inc.	Fax Number:	760-929-3941
Street:	6155 El Camino Real	E-Mail:	daryl.hunter@viasat.com
City:	Carlsbad	State:	CA
Country:	USA	Zipcode:	92009 -
Attention:	Daryl T. Hunter	Relationship:	Engineer

(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 CGV – Fixed Satellite VSAT System

5. Type Request

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date
06/08/2012

7. City

8. Latitude
(dd mm ss.s h) 0 0 0.0

9. State	10. Longitude (dd mm ss.s h) 0 0 0.0
11. Please supply any need attachments. Attachment 1: Narrative 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: 5px; margin: 10px 0;">See attached narrative</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 Daryl T. Hunter	15. Title of Person Signing Director, Regulatory Affairs
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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