

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
KA313 STA for Sinaero, SeaTel 6006 and Thrane & Thrane Sailor 800A & Sailor 900B

I. Applicant

<b>Name:</b>	Astrum Services Government, Inc.	<b>Phone Number:</b>	301-838-7807
<b>DBA Name:</b>		<b>Fax Number:</b>	301-838-7752
<b>Street:</b>	2600 Tower Oaks Boulevard	<b>E-Mail:</b>	rob.swanson@astrum.eads-na.com
<b>City:</b>	Rockville	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20852 -
<b>Attention:</b>	Mr Robert W Swanson		


60 days "with condition"

File # SES-STA-20131118-01137

Call Sign KA313 Grant Date 12/20/2013  
(or other identifier)

Term Dates  
From 12/20/2013 To: 02/18/2014

Approved: Paul E. [Signature]



Conditions:

Applicant: Astrium Services Government, Inc.

File Number: SES-STA-20131118-01137


Call Sign: KA313

Astrium Services Government, Inc., Inc. (Astrium) is granted Special Temporary Authority (STA) for 60 days beginning 12/20/2013 to permit Ku-band VSAT Network service earth station KA313 in Southbury, CT, to: (1) operate Sinaero 1.2.Meter Flyaway, VSAT remote antennas, Model SA-1.2TFLY, with ALSAT in the 11.2-11.7 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands; (2) operate Sea Tel Model 6006 1.5 Meter ESV remote antennas, Thrane & Thrane Model TT-7080A Sailor 800A 0.83 Meter ESV remote antennas, and Thrane & Thrane Model TT-7090B Sailor 900B 1.0 Meter ESV remote antennas with ALSAT in the 10.95-11.20 and 11.45-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands. The antennas will operate in accordance with the parameters requested in IBFS File No. SES-MOD-20131108-00955, which comply with the Commission's Rules.

- 1) *Operations under this STA 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) *Grant of this STA is without prejudice to any determination that the Commission may make regarding other pending applications, e.g., IBFS File Nos. SES-MOD-20131108-00955 or future STA requests.*
- 3) *Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Astrium's risk.*
- 4) *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 Condition"*

File #	SES-STA-20131118-01137
Call Sign	KA313
(or other identifier)	
Grant Date	12/20/2013
Term Dates	
From	12/20/2013
To	02/18/2014
Approved:	<i>Paul E. Allen</i>

  
**GRANTED**  
International Bureau

**2. Contact**

<b>Name:</b>	Astrium Services Government, Inc.	<b>Phone Number:</b>	301-838-7839
<b>Company:</b>		<b>Fax Number:</b>	301-838-7752
<b>Street:</b>	2600 Tower Oaks Boulevard	<b>E-Mail:</b>	james.lovelace@astrium.eads-na.com
<b>City:</b>	Rockville	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20852 -
<b>Attention:</b>	James G. Lovelace	<b>Relationship:</b>	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 SESMOD2013110800955 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  
12/03/2013

7. CitySouthbury	8. Latitude (dd mm ss.s h) 41 27 5.3 N
9. State CT	10. Longitude (dd mm ss.s h) 72 17 19.4 W
11. Please supply any need attachments. Attachment 1: Need Statement                      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;">Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority to operate Sinaero 1.2.Meter Flyaway Model SA-1.2TFLY remote antennas to provide Ku-band VSAT Network service and operate Sea Tel Model 6006 1.5 Meter remote antennas, Thrane &amp; Thrane Model TT-7080A Sailor 800A 0.83 Meter remote antennas, and Thrane &amp; Thrane</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 James G. Lovelace	15. Title of Person Signing Contractor
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).	

## **12. Description**

Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority to operate Sinaero 1.2.Meter Flyaway Model SA-1.2TFLY remote antennas to provide Ku-band VSAT Network service and operate Sea Tel Model 6006 1.5 Meter remote antennas, Thrane & Thrane Model TT-7080A Sailor 800A 0.83 Meter remote antennas, and Thrane & Thrane Model TT-7090B Sailor 900B 1.0 Meter remote antennas to Provide ESV service pursuant to call sign KA313 license VSAT Network and ESV authorizations. The demonstration that the antennas comply with Commission Rules is set forth in the pending Application and Exhibits to same which are hereby incorporated by reference.

Astrium Services Government, Inc.

Request for Special Temporary Authority to Operate

Sinaero 1.2 Meter Flyaway Model SA-1.2TFLY Remote Antennas to  
Provide Ku-band VSAT Network Service;

And Operate

Sea Tel Model 6006 1.5 Meter Remote Antennas,

Thrane & Thrane Model TT-7080A Sailor 800A 0.83 Meter Remote Antennas, and

Thrane & Thrane Model TT-7090B Sailor 900B 1.0 Meter Remote Antennas

To Provide Ku-band Earth Station on Vessel (ESV) Service

Call Sign KA313

FILE NO. SES-MOD-20131108-00955

Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority (“STA”) to operate Sinaero 1.2.Meter Flyaway Model SA-1.2TFLY remote antennas to provide Ku-band VSAT Network service and operate Sea Tel Model 6006 1.5 Meter remote antennas, Thrane & Thrane Model TT-7080A Sailor 800A 0.83 Meter remote antennas, and Thrane & Thrane Model TT-7090B Sailor 900B 1.0 Meter remote antennas to Provide ESV service pursuant to its call sign KA313 license VSAT Network and ESV authorizations. The STA is requested to allow Astrium to operate these antennas while the Commission processes Astrium’s pending application for permanent authority. The Sinaero antennas will be located in the U.S. and U.S. territories and the ESV antennas will be located on vessels traveling in U.S. and international waters. All will operate through hub antennas already authorized by the Commission. As with the application for permanent authority, the STA is requested to operate the antennas in the Ku-band to communicate via All Authorized U.S. Domestic Satellites on the Space Station Permitted List and provide VSAT Network and ESV service in the same manner as previously authorized by the Commission for existing KA313 licensed VSAT Network and ESV antennas.

Astrium’s Showing of Compliance that the antennas comply with the Commission’s Rules is set forth in the pending Application and Exhibits to same which are hereby incorporated by reference. As detailed therein, the antennas fully comply with all Commission Regulations and no waivers are needed or requested for operation of the antennas.

Grant of STA to operate the Sinaero VSAT Network antennas is in the public interest because a primary purpose of this product is for use in emergency and disaster situations. STA will enable Astrium to make this communications capability available for emergency response, rescue and relief activities in situations where local and global communications infrastructure has been destroyed by natural or man-made disasters.

Grant of STA to operate the Sea Tel and Thrane & Thrane ESV antennas is in the public interest because it will enable Astrium to enhance the communications options that

can be made available to maritime customers. This will benefit the public in general due to the wide range of vessels in the commercial maritime sector which benefit from ESV services. These include vessels involved in oil and gas exploration and production, oil transport tankers, offshore supply vessels, cruise ships, container ships, car carriers, research vessels, and cable laying vessels. Many of these vessels are often at sea for prolonged periods and have limited communications with the outside world. In addition to enhancing the capabilities that ESV services provide for crucial emergency communications, additional ESV options facilitate access to the internet, telephone, and email by crew personnel while at sea thus providing a much needed lifeline that contributes to the crew members' health, well-being, and safety.

Over and above these general benefits to the public, enhancement of ESV communications options is specifically in the public interest because of the value it has for ESV customers involved in activities to alleviate United States dependence on foreign sources of energy. Vessels involved in offshore oil and gas exploration and production require continuous and reliable communications and ever increasing volumes of bandwidth to support operation, safety, environmental and regulatory requirements.

ESV services are utilized extensively by seismic vessels exploring for new offshore sources of oil and gas. In addition to the value of ESV services for emergency communications and ship operations for these vessels, ESVs are utilized to transmit huge amounts of data back to the vessels' headquarters for evaluation and analysis. Logistics and service vessels which support offshore drilling and production platforms rely on ESV services to enhance emergency communications capabilities and for day to day vessel operations and crew welfare. Finally, ESV services are of extraordinary value in responding to production incidents. A prime example of this was the 2010 Gulf of Mexico oil spill. ESV services were heavily utilized by vessels that played various key roles in the evaluation, coordination and implementation of the response to that disaster. Enhancement of ESV capabilities that can be made available to vessels that may need to respond to other such incidents at any time is clearly in the public interest.

Accordingly, Astrium respectfully requests that the Bureau grant the STA for a period of sixty days for Astrium to operate the Sinaero antennas to provide VSAT Network service and the Sea Tel and Thrane & Thrane antennas to provide ESV service. Any questions with respect to this matter may be directed to James G. Lovelace at (301)838-7839.