

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
KA313 Extension of STA - Sinaero 1.2 Meter Flyaway, Sea Tel 6006, Thrane 800A & 900B

I. Applicant

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

60 days Extension with conditions

File # SES-STA-20140211-00052

Call Sign KA313 Grant Date 04/03/2014  
(or other identifier)

From 02/19/2014 To: 04/19/2014

Approved: [Signature]



Conditions:

Applicant: Astrium Services Government, Inc.

File Number: SES-STA-20140211-00052

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.*



File # SES-STA-20140211-00052

Call Sign KA313 Grant Date 04/02/2014  
(or other identifier)

Term Dates  
From 02/19/2014 To 04/19/2014

Approved: [Signature]

<b>2. Contact</b>			
<b>Name:</b>	Astrium Services Government, Inc.	<b>Phone Number:</b>	(301)838-3839
<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 SESSTA201311801137 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			
02/18/2014			

7. City/Southbury	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.) Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority (STA) for another 60 days to permit it to continue 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	
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 &quot;party to the application&quot;; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
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).	

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## **12. Description**

Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority (STA) for another 60 days to permit it to continue 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 while the Commission processes the pending application for permanent authority. Astrium agrees to continue to operate subject to the terms and conditions contained in the original STA grant.

Astrium Services Government, Inc.

Request for Special Temporary Authority to Continue 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 and SES-STA-20131118-01137

Astrium Services Government, Inc. (Astrium) requests a grant of Special Temporary Authority (“STA”) to allow it to continue 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.

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. Astrium agrees to continue to operate subject to the terms and conditions contained in the original STA grant. Any questions with respect to this matter may be directed to James G. Lovelace at (301)838-7839.