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File Number: SES-MFS-20150602-00315

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

KB34 make corrections to current licens; Add Emission Designators & POC for antenna SAPA 13; and add new L-band antenna to license.

1-8. Legal Name of Applicant

<b>Name:</b>	Airbus DS SatCom Government, Inc.	<b>Phone Number:</b>	703-466-5873
<b>DBA Name:</b>		<b>Fax Number:</b>	703-466-5901
<b>Street:</b>	2550 Wasser Terrace Suite 6000	<b>E-Mail:</b>	rob.swanson@airbus.com
<b>City:</b>	Herndon	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	20171 -
<b>Attention:</b>	Mr Robert W Swanson		

9-16. Name of Contact Representative

<b>Name:</b>	Airbus DS SatCom Government, Inc.	<b>Phone Number:</b>	703-466-5945
<b>Company:</b>		<b>Fax Number:</b>	703-466-5901
<b>Street:</b>	2550 Wasser Terrace	<b>E-Mail:</b>	james.lovelace@astrium.eads-na. com
	Suite 6000		
<b>City:</b>	Herndon	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	20171-
<b>Attention:</b>	James G. Lovelace	<b>Relationship:</b>	Other

CLASSIFICATION OF FILING

<p>17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.</p> <p><input checked="" type="radio"/> a1. Earth Station</p> <p><input type="radio"/> a2. Space Station</p>	<p>(N/A) b1. Application for License of New Station</p> <p>(N/A) b2. Application for Registration of New Domestic Receive-Only Station</p> <p><input type="radio"/> b3. Amendment to a Pending Application</p> <p><input checked="" type="radio"/> b4. Modification of License or Registration</p> <p>b5. Assignment of License or Registration</p> <p>b6. Transfer of Control of License or Registration</p> <p><input type="radio"/> b7. Notification of Minor Modification</p> <p>(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite</p> <p>(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States</p> <p>(N/A) b10. Other (Please specify)</p> <p>(N/A) b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States</p> <p>(N/A) b12. Application for Database Entry</p> <p><input type="radio"/> b13. Amendment to a Pending Database Entry Application</p> <p><input type="radio"/> b14. Modification of Database Entry</p>
<p>17c. Is a fee submitted with this application?</p> <p><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).</p> <p><input type="radio"/> Governmental Entity    <input type="radio"/> Noncommercial educational licensee</p> <p><input type="radio"/> Other(please explain):</p>	
<p>17d.</p> <p>Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station</p>	

<p>18. If this filing is in reference to an existing station, enter:</p> <p>(a) Call sign of station: KB34</p>	<p>19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:</p> <p>(a) Date pending application was filed:                      (b) File number:  SESRWL2010050600560</p>
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**TYPE OF SERVICE**

<p>20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:</p> <p><input checked="" type="checkbox"/> a. Fixed Satellite  <input type="checkbox"/> b. Mobile Satellite  <input type="checkbox"/> c. Radiodetermination Satellite  <input type="checkbox"/> d. Earth Exploration Satellite  <input type="checkbox"/> e. Direct to Home Fixed Satellite  <input type="checkbox"/> f. Digital Audio Radio Service  <input type="checkbox"/> g. Other (please specify)</p>	
<p>21. STATUS: Choose the button next to the applicable status. Choose only one.</p> <p><input checked="" type="radio"/> Common Carrier      <input type="radio"/> Non-Common Carrier</p>	<p>22. If earth station applicant, check all that apply.</p> <p><input checked="" type="checkbox"/> Using U.S. licensed satellites  <input checked="" type="checkbox"/> Using Non-U.S. licensed satellites</p>
<p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:</p> <p><input checked="" type="radio"/> Connected to a Public Switched Network      <input type="radio"/> Not connected to a Public Switched Network      <input type="radio"/> N/A</p>	

24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s).

a. C-Band (4/6 GHz)     b. Ku-Band (12/14 GHz)

c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower:    Frequency Upper: (Please specify additional frequencies in an attachment)

#### TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- Transmit/Receive     Transmit-Only     Receive-Only     N/A

"For Space Station applications, select N/A."

## PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a -- authorization to add new emission designator and related service
- b -- authorization to change emission designator and related service
- c -- authorization to increase EIRP and EIRP density
- d -- authorization to replace antenna
- e -- authorization to add antenna
- f -- authorization to relocate fixed station
- g -- authorization to change frequency(ies)
- h -- authorization to add frequency
- i -- authorization to add Points of Communication (satellites & countries)
- j -- authorization to change Points of Communication (satellites & countries)
- k -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l -- authorization to change orbit location
- m -- authorization to perform fleet management
- n -- authorization to extend milestones
- o -- Other (Please specify)

ENVIRONMENTAL POLICY

<p>28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission’s rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>RadHaz Exhibit</p>
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ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

<p>29. Is the applicant a foreign government or the representative of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>30. Is the applicant an alien or the representative of an alien?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>31. Is the applicant a corporation organized under the laws of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>32. Is the applicant a corporation of which more than one–fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Yes  No  N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.

Ownership Exhibit

#### BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules?  
If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

Yes  No

Ex 2 Waiver Req Exp

36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.

Yes  No

Prior Int Anal Repor



37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.

Yes  No

Prior Freq Coord

38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances

Yes  No

Interf Analy Report

39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.

Yes  No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

41. 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

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

Yes  No

Exh 3 Non-U.S. Sat

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?United Kingdom

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Airbus DS SatCom Government, Inc. (ASGI) respectfully seeks to - 1) make corrections to the current KB34 license as further explained in attached Exhibit 1. Then after the current KB34 license has been corrected- 2) add Emission Designators and new Point of Communications Authority for the SAPA 13 Hub Antenna. Please note that addition of

Ex 1 Lic Correct Exp

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

**CERTIFICATION**

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing James G. Lovelace	46. Title of Person Signing Contractor
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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).

SATELLITE EARTH STATION AUTHORIZATIONS  
FCC Form 312 – Schedule B:(Technical and Operational Description)  
FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1. Site Identifier:	SANTA PAULA	E5. Call Sign:	KB34
E2. Contact Name	HOWARD WISNIEWSKI	E6. Phone Number:	8005-933-4000
E3. Street:	7676 PINE GROVE ROAD	E7. City:	SANTA PAULA
		E8. County:	VENTURA
E4. State	CA	E9. Zip Code	93060
E10. Area of Operation:	CONTINENTAL U.S.		
E11. Latitude:	34 °24 '5.0 "N		
E12. Longitude:	119 °4 '29.4 "W		
E13. Lat/Lon Coordinates are:	<input checked="" type="radio"/> NAD-27	<input type="radio"/> NAD-83	<input type="radio"/> N/A
E14. Site Elevation (AMSL):	229.2 meters		

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.

Yes    No    N/A

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="radio"/> Yes <input checked="" type="radio"/> No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as Frequency Coord	<input checked="" type="radio"/> Yes <input type="radio"/> No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	<input type="radio"/> Yes <input checked="" type="radio"/> No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation?FAA Exhibit FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	<input type="radio"/> Yes <input checked="" type="radio"/> No

**POINTS OF COMMUNICATION**

Satellite Name: INMARSAT 4F3   INMARSAT 4   98 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

**POINTS OF COMMUNICATION (Destination Points)**

E25. Site Identifier:	
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E26. Common Name:	E27. Country:
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ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna Gain Transmint and/or Recieve (____ dBi at ____ GHz)	
SANTA PAULA	SAPA13	0	PHILCO-FORD	34 FT	10.4	0.0 dBi at	
SANTA PAULA	SAPA13L	1	PHILCO-FORD	1.8M	1.8	26.9 dBi at 1.5000	
SANTA PAULA	SAPA13L	1	PHILCO-FORD	1.8M	1.8	27.7 dBi at 1.6400	

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
SAPA13	10.4/10.4	11.0	239.6	0.0	800.0	0.0	82.5
SAPA13L	1.8/1.8	7.0	235.6	0.0	10.7	0.0	38.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

SAPA13	3600.0000 3629.0000	R	Left and Right Circular	2K40G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	2M20G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	2K40G1D	48.6	48.6
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA						



SAPA13	6424.0000 6454.0000	T	Left and Right Circular	2M20G1D	71.7	44.3
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	132KG7D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA/TDM						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	24K0G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DATA/FAX						

SAPA13	3600.0000 3629.0000	R	Left and Right Circular	2K40G7D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA/TDM						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	5K60G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DATA/FAX						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	132KG7D	59.5	44.3
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA/TDM						

SAPA13	6424.0000 6454.0000	T	Left and Right Circular	24K0G1W	58.6	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DATA/FAX						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	2K40G7D	48.6	48.6
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK, DATA/TDM						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	5K60G1W	52.3	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DATA/FAX						

SAPA13	3600.0000 3629.0000	R	Left and Right Circular	24K0G1E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, TELEPHONY						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	5K60G1E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, TELEPHONY						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	24K0G1E	58.6	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, TELEPHONY						

SAPA13	6424.0000 6454.0000	T	Left and Right Circular	5K60G1E	53.2	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, TELEPHONY						
SAPA13	5927.0000 5927.0000	T	Left and Right Circular	NON	50.8	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TT&C RANGING CARRIER						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	NON	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
UNMODULATED AFC PILOT						

SAPA13	6424.0000 6454.0000	T	Left and Right Circular	NON	59.5	59.5
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
UNMODULATED AFC PILOT						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	400KG1F	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DIGITAL VIDEO DATA						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	40K0G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
16 QAM DIGITAL TELEPHONY						

SAPA13	6424.0000 6454.0000	T	Left and Right Circular	400KG1F	59.5	39.5
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
QPSK, DIGITAL VIDEO DATA						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	40K0G1W	60.8	50.8
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
16 QAM DIGITAL TELEPHONY						
SAPA13	6424.0000 6454.0000	T	Left and Right Circular	27K0F3W	59.5	56.7
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
FM9 ANALOG BROADCAST CARRIER						

SAPA13	3947.0000 3953.0000	R	Left and Right Circular	131KG2D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
PCM/PSK/BI-PHASE TRACKING BEACON						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	2M20G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
BPSK SPREAD SPECTRUM DATA (NAVIGATION)						
SAPA13	3600.0000 3629.0000	R	Left and Right Circular	34K0F3E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
FM TELEPHONY COMPANDED AND UNCOMPANDED						



SAPA13	6424.0000 6454.0000	T	Left and Right Circular	34K0F3E	59.5	59.7
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
FM TELEPHONY COMPANDED AND UNCOMPANDED						
SAPA13	5925.00 6425.00	T	Left and Right Circular	36M0F8W	82.5	59.5
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE						
SAPA13	3700.0000 4200.0000	R	Left and Right Circular	36M0F8W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE						

SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	2K40G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK , DATA						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	2M20G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK , DATA						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	NON	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
UNMODULATED AFC PILOT						

SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	132KG7D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK , DATA/TDM						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	24K0G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST QPSK , DATA/FAX						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	2K40G7D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK , DATA/TDM						

SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	5K60G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST QPSK , DATA/FAX						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	24K0G1E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST QPSK , TELEPHONY						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	5K60G1E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST QPSK , TELEPHONY						

SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	400KG1F	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST QPSK , DIGITAL VIDEO/DATA						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	40K0G1W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST 16 QAM DIGITAL TELEPHONY						
SAPA13L	1626.5000 1660.5000	T	Left and Right Circular	NON	27.2	27.2
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
UNMODULATED AFC PILOT (CLOSE LOOP)						

SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	2M20G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP						
SAPA13L	1574.4000 1576.6000	R	Left and Right Circular	2M20G1D	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST BPSK SPREAD SPECTRUM DATA-CLOSE LOOP						
SAPA13L	1525.0000 1559.0000	R	Left and Right Circular	34K0F3E	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)						
TEST FM TELEPHONY COMPANDED AND UNCOMPANDED						

FREQUENCY COORDINATION

<b>E28. Antenna Id</b>	<b>E51. Satellite Orbit Type</b>	<b>E52/53. Frequency Limits(MHz)</b>	<b>E54/55. Range of Satellite Arc Eastern/Western Limit</b>	<b>E56. Earth Station Azimuth Angle Eastern Limit</b>	<b>E57. Antenna Elevation Angle Eastern Limit</b>	<b>E58. Earth Station Azimuth Angle Western Limit</b>	<b>E59. Antenna Elevation Angle Western Limit</b>	<b>E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)</b>
SAPA13	Geostationary	3600.0 3629.0	48.0/190.0	101.0	6.9	258.9	7.0	0.0
	Geostationary	6425.0 6454.0	48.0/190.0	101.0	6.9	258.9	7.0	42.4
SAPA13L	Geostationary	1525.0000 1576.6000	46.0/192.0	99.8	5.0	260.2	7.0	0.0
	Geostationary	1626.5000 1660.5000	46.0/192.0	99.8	5.0	260.2	7.0	34.66

**REMOTE CONTROL POINT LOCATION**

E61. Call Sign  NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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**43. Description. (Summarize the nature of the application and the services to be provided).**

Airbus DS SatCom Government, Inc. (ASGI) respectfully seeks to - 1) make corrections to the current KB34 license as further explained in attached Exhibit 1. Then after the current KB34 license has been corrected- 2) add Emission Designators and new Point of Communications Authority for the SAPA 13 Hub Antenna. Please note that addition of these Emission Designators requires no changes to the current SAPA 13 antenna specifications other than those which will have already been made as per the corrections requested in Exhibit 1. The values set forth for SAPA 13 for questions E28 - E40 of the Schedule B of this applications are the same as those set forth in the Exhibit 1 mark-up. 3) Add to the KB34 license authority to operate a new L-band Hub Antenna at the Santa Paula teleport.