

E000128 SES-STA-20060113-00041 IB2006000071  
Loral Skynet Network Services, Inc.

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:  
STA E000128 KAPOLEI PALAMAR JAN 12 2006

1. Applicant

<b>Name:</b>	Loral Skynet Network Services, Inc.	<b>Phone Number:</b>	908-470-2342
<b>DBA Name:</b>		<b>Fax Number:</b>	908-470-2453
<b>Street:</b>	500 Hills Drive PO Box 7018	<b>E-Mail:</b>	se@loralskynet.com
<b>City:</b>	Bedminster	<b>State:</b>	NJ
<b>Country:</b>	USA	<b>Zipcode:</b>	07921 -7018
<b>Attention:</b>	Mr Stanley Edinger		



File # SES-STA-20060113-00041  
Call Sign E000128 Grant Date 1/27/06  
(or other identifier) Term Expires  
From 2/14/06 To 4/14/06  
Approved: Jeanette D. Spruzo

**2. Contact**

<b>Name:</b>	Loral Skynet Network Services, Inc.	<b>Phone Number:</b>	908-470-2342
<b>Company:</b>		<b>Fax Number:</b>	908-470-2453
<b>Street:</b>	500 Hills Drive PO Box 7018	<b>E-Mail:</b>	se@loralskynet.com
<b>City:</b>	Bedminster	<b>State:</b>	NJ
<b>Country:</b>	USA	<b>Zipcode:</b>	07921 -7018
<b>Attention:</b>	Mr Stanley Edinger	<b>Relationship:</b>	

(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 SESMFS2006010900020 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  
02/14/2006

7. City KAPOLEI	8. Latitude (dd mm ss.s h) 21 20 11.3 N
9. State HI	10. Longitude (dd mm ss.s h) 158 5 20.6 W
11. Please supply any need attachments. Attachment 1: A                                      Attachment 2: B                                      Attachment 3: C	
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: 10px; margin: 10px 0;">STA TO PROVIDE COMMUNICATIONS TO THE ANTARCTIC (See attached exhibit (A))</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 STANLEY EDINGER	15. Title of Person Signing MANAGER, GOVERNMENT RELATIONS
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).	

**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to [jboley@fcc.gov](mailto:jboley@fcc.gov). PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**

January 13, 2006

Ms. Magalie Roman Salas, Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW, Room TW-D204  
Washington, DC 20554

Attn: Satellite Engineering Branch  
Satellite & Radiocommunications Division  
International Bureau

Re: Request for Special Temporary Authority Kapolei, Hawaii.  
Call Sign: E000128 File Number: SES-MFS-20060109-00020

Dear Ms. Salas:

On January 9, 2006 Loral Network Services Inc. (Loral) filed a license modification, FCC File No.SES-MFS-20060109-00020 to operate its Earth station located at Kapolei, Hawaii to communicate with "ALSAT"

Loral respectfully requests Special Temporary Authority (STA) filed pursuant to Section 25.120 of the Commission's Rules, to operate the Fixed Earth Station, Call Sign: E000128, Kapolei, Hawaii as described in its license modification application beginning February 15, 2006 for a period of 30 days or until its license modification is acted upon favorably.

This STA will serve the public interest by allowing for reliable alternative communications with the Palmer Research Center (Antarctic) for continuing research on the effects of world global warming on the Ice Glaziers. Loral will be using the INTELSAT satellite 1A-8.

Included as an attachment in the Loral license modification is a frequency coordination study that demonstrates that the Kapolei, Hawaii earth station will not cause interference into existing microwave radio stations. However, in the extremely unlikely event that

harmful interference to any lawfully operating communications station should occur, all reasonable steps will be taken to immediately eliminate the interference.

For the reasons discussed above, the Commission should expeditiously grant this STA request to use Kapolei, Hawaii earth station for the temporary provision of service to the Palmer Research Center

Please direct any questions or correspondence concerning this STA to:

Loral Skynet  
Attn: Mr. Stanley Edinger, Manager  
Government Relations  
500 Hills Drive  
P.O. Box 7018  
Bedminster, NJ 07921  
Telephone Number (908-470-2342)  
Fax Number (908-470-2432)

Sincerely,

Copy to: Mr. Scott Kotlar (FCC) Washington, DC  
Ms. Jeanette Spriggs (FCC) Washington, DC  
Mr. Frank Peace (FCC) Washington, DC  
FCC Columbia Operations Center, Columbia, Maryland



# STA TECHNICAL INFORMATION

**E000128**

**KAPOLEI, HAWAII**

---

Frequency Information	Receive 4.0 GHz	Transmit 6.1 GHz	Polarization
	3700.0 - 4200.0	5925.0 - 6182.0	H,V
		6312.0 - 6330.0	H,V
		6361.0 - 6425.0	H,V

**Emission:**

3M09G7W Max EIRP 59.00; Max EIRP density 30.13; QPSK, R=1/2, Encoded Digital  
5925.0 - 6182.0, 6312.0 - 6330.0, 6361.0 - 6425.0 MHz

3M09G7W 3700.0 - 4200.0 MHz QPSK, R=1/2, Encoded Digital

1M54G7W Max EIRP 54.90; Max EIRP density 29.03; QPSK, R=1/2, Encoded Digital  
5925.0 - 6182.0, 6312.0 - 6330.0, 6361.0 - 6425.0 MHz,

1M54G7W 3700.0 - 4200.0 MHz QPSK, R=1/2, Encoded Digital

384KG7W Max EIRP 48.80; Max EIRP density 28.98; QPSK, R=1/2, Encoded Digital  
5925.0 - 6182.0, 6312.0 - 6330.0, 6361.0 - 6425.0 MHz

384KG7W 3700.0 - 4200.0 MHz QPSK, R=1/2, Encoded Digital

36M0G7W Max EIRP 71.00; Max EIRP density 31.46; QPSK, Digital Multiplexed Cxr.  
5925.0 - 6182.0, 6312.0 - 6330.0, 6361.0 - 6425.0 MHz

36M0G7W 3700.0 - 4200.0 MHz QPSK, Digital Multiplexed Cxr.

---

**Link Information**

Satellite Arc 89° W to 233° West Longitude

Azimuth Range 97.9° to 264.4°

Corresponding Elevation Angles 10.9° / 5.4°

Antenna Centerline (AGL) 2.74 m / 9.0 ft

Maximum EIRP Density toward Horizon (dBW/4kHz) -4.8

Max Antenna Gain: 44.4dBi @ 4.0000 GHz, 47.0 dBi @ 6.000 GHz

Maximum total power into the antenna flange (Watts) = 300

Maximum aggregate output EIRP for all carriers (dBW) = 71.80

---

**Site Information**

**Longitude:** 158° 05' 20.6" W **Latitude:** 21° 20' 11.3" N **NAD:** 83 **Elevation:** 39.6  
Meters

---

**Satellite:** IA-8