

E980250 SES-STA-20051102-01510 IB200500252:
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:

E980250 Kapolei STA extend 5850-5925 KAPOLEI 11 04 2005

I. Applicant

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

Condition Attached



File # SES-STA-20051102-01510

Call Sign E980250 Grant Date 1/27/04
(or other identifier)

From 12/5/05 Term Dates
To 3/5/04

Approved: *Jeanette D. Spriggs*

ATTACHMENT

Loral Skynet Network Services, Inc.
SES-STA-20051102-01510
E980250

CONDITION:

Loral does not cause interference to US Navy operations in Nanakuli, HI in the band M5850-
M5925.

2. Contact

Name:	Mr Stanley Edinger	Phone Number:	908-470-2342
Company:	Loral Skynet	Fax Number:	908-470-2453
Street:	500 Hills Drive PO Box 7018	E-Mail:	se@loralskynet.com
City:	Bedminster	State:	NJ
Country:	USA	Zipcode:	07921 -7018
Attention:	MANAGER , GOVERNMENT RELATIONS	Relationship:	Same

(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 SESSTA2005082201122 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

11/27/2005

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Stanley Edinger
Manager – Government Relations

500 Hills Drive
P.O. Box 7018
Bedminster, NJ 07921
Tel.: 908-470-2342
Fax: 908-470-2453
E mail: se@loralskynet.com

November 2, 2005

Ms. Magalie Roman Salas
Federal Communications Commission
Satellite and Radiocommunication Division
445 12th Street SW
Washington, DC 20054

Attention: International Satellite Engineering Branch

Re: Request for extension of Special Temporary Authority (STA) Kapolei, Hawaii
File Number: SES-STA-20050822-01122 Call Sign: E980250

Dear Ms. Salas:

On July 8, 2005 Loral Skynet Network Services, Inc. (Debtor-in Possession) ("Loral") was granted authorization (**SES-STA-20050628-00835**) to operate its earth station in Kapolei, Hawaii (Call E980250) using extended C-band frequencies, 5850-5925 MHz Transmit (V, H), to communicate with the Telstar 18/Apstar V/Tongasat satellite ("Telstar 18") at (International designation: 2004-024A) the 138° E.L. orbital location for a period of 60 days beginning July 26 and ending September 26, 2005; and on September 1, 2005 Loral was granted an extension of this authority (**SES-STA-20050822-01122**) for a term ending on November 27, 2005.

Loral requests this STA be extended for an additional 90 days..

Grant of this request will serve the public interest by ensuring continued use of extended C-band capacity on the Telstar 18 satellite for the temporary provision of international satellite communications services from Loral's Kapolei, Hawaii gateway earth station.

Please contact Stanley Edinger if you have any questions concerning this correspondence at:

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 (908-470-2453)
E mail: se@loralskynet.com

Sincerely,

Stanley Edinger

Attachments: STA extension request

Copy to: Mr. Scott Kotler (FCC) Washington, DC
Ms. Shahnaz Ghavami (FCC) Washington, DC
Ms. Jeanette Spriggs (FCC) Washington, DC
FCC Columbia Operations Center, Columbia, Maryland

Special Temporary Authority Application

Summary of the Earth Station Technical Information

Call Signs: E980250

File Nos.: SES-STA-20050822-01122

Name of the Applicant: Loral Skynet Network Services, Inc. (Debtor-in-Possession)

Name of the contact representative: Stanley Edinger, 908-470-2342, se@loralskynet.com

STA term: 90 days

Location of Earth Station: Kapolei, Hawaii

Site Location: 91-340 Farrington Highway, Kapolei, Hawaii

Latitude: 21 20 12.6 N

Longitude: 158 5 21.1 W

Frequency Bands and Polarity: 5850 - 5925 MHz Transmit (V, H)

Antenna Diameter and Transmission Characteristics: 13 Meter FCC32 VERTEX KPC

Input power Density into the antenna: 450 Watts

Antenna Size: 13.0 Meter

Gain: Tx: 56.3 dBi @ 6.000 GHz

Maximum antenna height: 15.1 Meters AGL/ 54.7 AMSL

Ground Elevation: AMSL (Ft/m) 129.93 / 39.60

Frequency Bands Tr	Emission	Max EIRP	Max EIRP_Density
5850 - 5925 MHz	36M0F9W	82.8 dBW	55.8 dBW/4 kHz
Emission description: Analog TV/FM with associated audio subcarriers			

Frequency Bands Tr	Emission	Max EIRP	Max EIRP_Density
5850 - 5925 MHz	360KG7W	60.0 dBW	40.5 dBW/4 kHz
Emission description: Digital SCPC, QPSK/data, voice & video, rate 1/2 FEC, 256 Kbps			

Frequency Bands Tr	Emission	Max EIRP	Max EIRP_Density
5850 - 5925 MHz	36M0G7W	80.0 dBW	40.5 dBW/4 kHz
Emission description: Digital Multiplex, QPSK/data, voice & video, rate 7/8 FEC, 48.38 Mbps			

Range of Satellite Arc Eastern Limit**	Range of Satellite Arc Western Limit**	Antenna Elevation Angle Eastern Limit	Antenna Elevation Angle Western Limit	Earth Station Azimuth Angle Eastern Limit	Earth station Azimuth Angle Western Limit
214.0	232.0	23.5	6.3	256.2	264.0

Satellite to be used: Telstar 18

Location: 138° E.L.

ITU designation: TONGASAT C/KU-3