

E4132 SES-STA-20100924-01215
PanAmSat Licensee Corp.

IB2010002999

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:
Request for STA to Use Earth Station E4132 to Provide LEOP Services for Intelsat 17

1. Applicant

Name:	PanAmSat Licensee Corp.	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H Crandall		



File # SES-STA-20100924-01215
Call Sign E4132 Grant Date 11/23/2010
(or other identifier)
Term Dates
From Launch To: +30 days
Approved: [Signature]

With Conditions

Attachment

Conditions:

- A) PanAmSat shall notify the Commission in writing within 48 hours of commencing operation under this authorization.
- B) All operations are on a non-protected, non-interference basis.
- C) PanAmSat shall coordinate its operations with neighboring satellites with \pm 6 degrees of its orbital location.
- D) PanAmSat shall immediately cease operations if interference is reported.

File # SES-STAR-20100934-01215

Call Sign E4132 Grant Date 11/23/2010
(or other identifier)

Term Dates
From Launch To +30 days

Approved: [Signature]

GRANTED
International Bureau

With Conditions

2. Contact	
Name: PanAmSat Licensee Corp.	Phone Number: 202-944-7848
Company:	Fax Number: 202-944-7870
Street: c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail: susan.crandall@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Attention: Susan H. Crandall	Relationship: Legal Counsel
(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 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 type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Fillmore	8. Latitude (dd mm ss.s h) 34 24 22.0 N

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EXHIBIT A

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Prepared For
PanAmSat Licensee Corp.
FILLMORE, CALIFORNIA

Temporary Transmit/Receive Earth Station
Operation Dates: 11/10/2010 – 05/10/2010

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on August 1, 2010.

Company

ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T California
Abraham Divestiture Company LLC
AirSites2000, LLC
American Tower, LLC
BNSF Railway Company
Bishop Union High School
CNG Communications, Inc.
COAST COMMUNITY COLLEGE DISTRICT
California, State of
Calco Partnership - California
Chevron USA Inc.
Coachella Valley Water District
Cox Communications - San Diego Mkt
Ducor Telephone Company
Exxon Communications Company
Federal Communications Commission
Fresno MSA Limited Partnership
Fresno, County of
GTE Moblinet of California LTD Partnersh
GTE Moblinet of Santa Barbara LTD Ptnsh
INTERCONNECT TOWERS, LLC
KERN COMMUNITY COLLEGE DISTRICT BAKERSFI
KERN ED TELECOM CONSORTIUM
KTLA INC
Kern, County of
Kings County Office of Education
LB Tower Company LLC
LOS ANGELES CITY WATER & POWER
LOS ANGELES UNIFIED SCHOOL DISTRICT

Company (Continued)

Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County/ FCC Licensing Section
Los Angeles SMSA Ltd. Partnership
M.U.T. Licensing, LLC
METROPOLITAN AREA NETWORKS, INC.
METROPOLITAN WATER DIST OF SO CALIFORNIA
MONTEBELLO CITY CALIFORNIA
Microwave Service Company
NEXTEL OF CALIFORNIA INC
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
Nextweb Inc
Northrop Grumman Information Technology
OCCIDENTAL OF ELK HILLS INC
ORANGE, COUNTY OF, CA
Pacific Gas and Electric Company
Paramount Farming Company, LLC.
Plains Exploration & Production Company
QUALCOMM INC.
RIVERSIDE COUNTY OF
Regional 3Cs
SAN DIEGO COUNTY
SAN DIEGO, CITY OF
SAN LUIS OBISPO COUNTY
SKYRIVER COMMUNICATIONS
San Bernardino County of California
San Diego Gas & Electric Company
Santa Barbara Cellular Systems, Ltd.
Southern California Edison Company
Southern California Gas Company
T-Mobile License LLC
TULARE, COUNTY OF
TV MICROWAVES CO
Turn Wireless, LLC
University of California,HPWREN
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Verizon Wireless VAW LLC (OR, HI)
Vintage Production California LLC
Visalia Cellular Telephone Company
WWC License L.L.C.
Western Technical Services

There are no unresolved interference objections with the stations contained in these applications.

The following section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH
Earth Station Data Sheet
 19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Date: 03/10/2010
 Job Number: 100301COMSJC02

Administrative Information

Status TEMPORARY (Operation from 11/10/2010 to 05/10/2011)
 Call Sign TEMP05
 Licensee Code PANAS
 Licensee Name PanAmSat Licensee Corp

Site Information **FILLMORE, CALIFORNIA**

Venue Name
 Latitude (NAD 83) 34° 24' 22.0" N
 Longitude (NAD 83) 118° 53' 37.4" W
 Climate Zone A
 Rain Zone 4
 Ground Elevation (AMSL) 313.94 m / 1030.0 ft

Link Information

Satellite Type Low Earth Orbit
 Mode TR - Transmit-Receive
 Modulation Analog and Digital
 Minimum Elevation Angle 5.0°
 Azimuth Range 0.0° to 360°
 Antenna Centerline (AGL) 8.23 m / 27.0 ft

Antenna Information

Manufacturer	Scientific-Atlanta	Receive	Scientific-Atlanta	Transmit	Scientific-Atlanta
Model	10.3 Meter		10.3 Meter		10.3 Meter
Gain / Diameter	50.5 dBi / 10.3 m		53.8 dBi / 10.3 m		53.8 dBi / 10.3 m
3-dB / 15-dB Beamwidth	0.40° / 1.00°		0.40° / 0.60°		0.40° / 0.60°

Max Available RF Power	(dBW/4 KHz)	10.9
	(dBW/MHz)	34.2
Maximum EIRP	(dBW/4 KHz)	64.7
	(dBW/MHz)	88.0
	(dBW)	88.0

Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 KHz	20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 KHz	0.0025%

Frequency Information

Emission / Frequency Range (MHz)	Receive 4.0 GHz	Transmit 6.1 GHz
	180KFXD / 3947.5	850KFXD / 6173.7
	180KFXD / 3952.5	850KFXD / 6176.3

Max Great Circle Coordination Distance	465.6 km / 289.3 mi	347.9 km / 216.2 mi
Precipitation Scatter Contour Radius	350.4 km / 217.7 mi	325.4 km / 202.2 mi

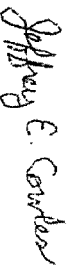
COMSEARCH
Earth Station Data Sheet
 19700 Janella Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Coordination Values	FILLMORE, CA
Licensee Name	PanAmSat Licensee Corp
Latitude (NAD 83)	34° 24' 22.0" N
Longitude (NAD 83)	118° 53' 37.4" W
Ground Elevation (AMSL)	313.94 m / 1030.0 ft
Antenna Centerline (AGL)	8.23 m / 27.0 ft
Antenna Model	Scientific-Atlanta 10.3 Meter
Antenna Mode	Receive 4.0 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz 20%
Short Term	-146.0 dBW/MHz 0.01%
Max Available RF Power	Transmit 6.1 GHz -154.0 dBW/4 KHz 20% -131.0 dBW/4 KHz 0.0025% 10.9 (dBW/4 KHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	9.46	76.90	-10.00	373.70	-10.00	256.40
5	9.82	73.29	-10.00	373.70	-10.00	256.40
10	11.85	70.32	-10.00	373.70	-10.00	256.40
15	10.92	66.54	-10.00	373.70	-10.00	256.40
20	12.90	64.07	-10.00	373.70	-10.00	256.40
25	13.86	61.47	-10.00	373.70	-10.00	256.40
30	11.04	56.88	-10.00	373.70	-10.00	256.40
35	11.06	53.98	-10.00	373.70	-10.00	256.40
40	11.15	51.35	-10.00	373.70	-10.00	256.40
45	12.08	49.66	-10.00	373.70	-10.00	256.40
50	12.02	47.53	-10.00	373.70	-10.00	256.40
55	12.03	45.81	-10.00	373.70	-10.00	256.40
60	11.89	44.32	-10.00	373.70	-10.00	256.40
65	10.11	41.64	-10.00	373.70	-10.00	256.40
70	10.13	41.15	-10.00	373.70	-10.00	256.40
75	10.10	41.10	-7.96	386.60	-7.96	269.20
80	8.88	40.38	-4.20	410.40	-4.20	292.90
85	8.89	41.39	0.77	441.80	0.77	324.20
90	6.31	40.55	4.53	456.60	4.53	347.90
95	6.30	42.57	4.53	456.60	4.53	347.90
100	6.30	44.99	4.53	456.60	4.53	347.90
105	6.32	47.74	4.53	456.60	4.53	347.90
110	5.84	50.44	4.53	456.60	4.53	347.90
115	3.99	52.69	4.53	456.60	4.53	347.90
120	2.01	55.33	4.53	456.60	4.53	347.90
125	1.94	59.11	4.53	456.60	4.53	347.90
130	2.44	63.20	4.53	456.60	4.53	347.90
135	2.70	67.25	4.53	456.60	4.53	347.90
140	2.67	71.27	4.53	456.60	4.53	347.90
145	2.73	75.36	4.53	456.60	4.53	347.90
150	2.63	79.46	4.53	456.60	4.53	347.90
155	3.07	83.64	4.53	456.60	4.53	347.90
160	2.85	87.77	4.53	456.60	4.53	347.90
165	3.41	91.91	4.53	456.60	4.53	347.90
170	3.29	96.04	4.53	456.60	4.53	347.90
175	3.00	100.19	4.53	456.60	4.53	347.90
180	2.53	104.38	4.53	456.60	4.53	347.90
185	2.35	108.51	4.53	456.60	4.53	347.90

Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Blvd.
Ashburn, Va. 20147

DATED: September 20, 2010