



INTELSAT.

Envision. Connect. Transform.

March 17, 2016

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Surrender of Licenses
Call Signs: E920519, E970091, E970319, E070230, E040286, E990055, and E010118

Dear Ms. Dortch:

Intelsat License LLC hereby surrenders all of the above referenced licenses, effective immediately. Each license is attached for your convenience.

Respectfully submitted,

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

Attachments



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Comsat Corporation/COMSAT World Systems

Call Sign: E920519

Authorization Type: Renewal of License

File Number: SES-RWL-20020723-01163

Non Common Carrier

Grant Date: 07/30/2002

Expiration Date: 09/18/2017

Nature of Service: Domestic Fixed Satellite Service

Nature of Service: International Fixed Satellite Service

Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	VARIOUS,			0	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning September 18, 2002 (3 AM Eastern Standard Time) and ending September 18, 2017 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14000.0000-14500.0000	H, V	3M17G2D	Tx	64.10	35.10	1		ISDN/DEMONSTRATIONS
2)	11700.0000-12200.0000	H, V	3M17G2D	Rx			1		ISDN/DEMONSTRATIONS

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	11700.0000-12200.0000								1
2)	14000.0000-14500.0000								1



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D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this License:

- 1) 1 to INTELSAT AOR @ 342.0 E.L. satellite of the INTELSAT system
- 2) 1 to INTELSAT AOR @ 328.6 E.L. satellite of the INTELSAT system
- 3) 1 to INTELSAT AOR @ 310.0 E.L. satellite of the INTELSAT system
- 4) 1 to INTELSAT AOR @ 359.0 E.L. satellite of the INTELSAT system
- 5) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system
- 6) 1 to INTELSAT AOR @ 332.5 E.L. satellite of the INTELSAT system
- 7) 1 to INTELSAT AOR @ 328.5 E.L. satellite of the INTELSAT system
- 8) 1 to INTELSAT 805 in AOR @ 304.5 E.L. satellite of the INTELSAT system
- 9) 1 to INTELSAT AOR @ 330.5 E.L. satellite of the INTELSAT system
- 10) 1 to INTELSAT AOR @ 319.5 E.L. satellite of the INTELSAT system
- 11) 1 to INTELSAT AOR @ 338.7 E.L.
- 12) 1 to INTELSAT AOR @ 335.5 E.L. satellite of the INTELSAT system
- 13) 1 to INTELSAT AOR @ 325.5 E.L. satellite of the INTELSAT system
- 14) 1 to INTELSAT POR @ 174.0 E.L. satellite of the INTELSAT system
- 15) 1 to INTELSAT POR @ 180.0 E.L. satellite of the INTELSAT system
- 16) 1 to INTELSAT POR @ 176.0 E.L. satellite of the INTELSAT system
- 17) 1 to TELESTAR 11 (used to be ORION F1) @ 37.5 W.L.
- 18) 1 to PANAMSAT 1 (PAS-1 @ 45.0 W.L.) satellites(s) of the PANAMSAT system.
- 19) 1 to PANAMSAT-2R (PAS-2R @ 43.0 W.L.) satellite(s) of the PANAMSAT system.
- 20) 1 to PANAMSAT 4 (PAS-4 @ 191.0 W.L.) satellite(s) of the PANAMSAT system.
- 21) 1 to All authorized U.S. Domestic (ALSAT) Satellites.
- 22) 1 to New Skies Satellite, N.V. 513 @ 183.0 E.L. (Netherlands-licensed)
- 23) 1 to New Skies Satellite, N.V. 803 @ 338.5 E.L. (Netherlands-licensed)
- 24) 1 to New Skies Satellite, N.V. 806 @ 319.5 E.L. (Netherlands-licensed)
- 25) 1 to New Skies Satellite, N.V. K @ 338.5 E.L. (Netherlands-licensed)

E) Antenna Facilities

Site/Elevation: 0 (Meters) AMSL

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	2.4	RSI	240 AT	0 AGL/ 0 AMSL	
Max Gains(s): 49.1 dBi @ 14.0000 GHz							
Maximum total input power at antenna flange (Watts) =					180.80		
Maximum aggregate output EIRP for all carriers (dBW) =					71.70		



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Grant Date: 07/30/2002

Expiration Date: 09/18/2017

F) Remote Control Point:

1

Call Sign: E920519

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2068 --- The use of these small diameter earth station facilities is authorized pursuant to the Commission's Declaratory Order in Routine Licensing of Large Networks of Small Antenna Earth Stations Operating in the 12/14 GHz Frequency Bands released April 9, 1986.
- 2087 --- The use of these small diameter facilities is authorized pursuant to the Commission's Declaratory Order in Routine Licensing of earth stations in the 6 GHz and 14 GHz bands using antennas less than 9 meters and 5 meters in diameter, respectively, for both full transponder and narrowband transmissions (DA 87-391) released April 13, 1987.
- 2088 --- The EIRP and EIRP Density numbers are the maximum permissible under the Commission's Declaratory Order (DA87-391) noted in General Provision 2087.
- 2097 --- The use of these small antenna facilities is authorized pursuant to the Commission's Order (DA 87-1834) released December 21, 1987.
- 2098 --- (a) Operation of this station is limited to locations within the territory of the United States. (b) All operations shall be in accordance with the applicable provisions of Sections 101.815 and 101.817 of the Rules.
- 2614 --- Licensee is authorized to provide fixed-satellite service excluding Direct-to-Home service, between the United States and countries listed in this underlying application. See DISCO II.
- 2641 --- The provision of purely domestic service via the INTELSAT satellites is prohibited.



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Non Common Carrier

Grant Date: 07/30/2002

Expiration Date: 09/18/2017

H) Special and General Provisions

- A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:
- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 3420 --- The licensee shall take extraordinary measures to ensure that the antenna does not create a potential for harmful non-ionizing radiation to persons who may be within the immediate vicinity since this earth station may exceed the radiation hazard level of 1 mW/cm². This shall include but not be limited to establishing a physical barrier or roping off an area, where the radiation hazard level is or below 1 mW/cm², surrounding the antenna or the trailer on which it is mounted. During actual transmissions, warning signs shall be posted informing all persons to keep outside the physical barrier or the roped off area.
- 3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)
- 3816 --- This authorization is not to be construed as permitting the provision of any commercial service. Comsat may use the antenna for occasional test and demonstration purposes in support of current and future services developed by INTELSAT provided the services fit the licensed parameters and emissions.
- 5011 --- The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dBW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
- 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.
- 5013 --- In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.



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Non Common Carrier

Grant Date: 07/30/2002

Expiration Date: 09/18/2017

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 5015 --- Upon completion of the station, the Licensee(s) must file with the Commission a certification including the following information: The name of the Licensee, file number of the application, call sign of the earth station, date of the license, a certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209, and that the station is operational including the date of commencement of service, and will remain operational during the license period unless the license is submitted for cancellation.
- 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commission's Rules and Regulations or otherwise transferred in violation of the Communications Act of 1934, as amended, or the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.
- 5018 --- This license shall be forfeited automatically if this station is not ready for operation within the time specified unless, prior to the expiration date of this license, the Commission receives an Application for Additional Time to Construct a Radio Station (FCC Form 701) filed by the Licensee(s) showing good cause why the Licensee(s) could not complete construction on time.
- 5216 --- All operations shall be on a non-common carrier basis.
- 5737 --- In accordance with the ordering clause at paragraph 84 of the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, the Ku-band frequencies on New Skies Satellite N.V. 806 have not been coordinated for operation over North America. Thus, Ku-band operations over the New Skies Satellite N.V. 806 satellite in the United States may not cause interference to, and may not claim protection from: (1) any U.S.-licensed geostationary satellite network and (2) non-U.S.-licensed geostationary satellite networks operating in conformance with international coordination agreements.
- 5738 --- This authorization is subject to the conditions and terms set forth in the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, and Memorandum Opinion and Order, FCC 01-107, released March 29, 2001, and New Skies Satellites N.V., Petition for Declaratory Ruling, Order, DA 01-513 (Int'l Bureau, Satellite and Radiocommunication Division, released Mar. 29, 2001)
- 5739 --- Operation of this earth station via New Skies Satellite, N.V. satellite(s) is only authorized until August 6, 2002.



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Non Common Carrier

Grant Date: 07/30/2002

Expiration Date: 09/18/2017

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993". These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Intelsat LLC

Call Sign: E970091

Authorization Type: Renewal of License

File Number: SES-RWL-20070131-00175

Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

Nature of Service: International Fixed Satellite Service

Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	1	VARIOUS,			0	27	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning March 28, 2007 (3 AM Eastern Standard Time) and ending March 28, 2022 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.



B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14000.0000-14500.0000	H	1M80G2D	Tx	60.73	34.20	1	ISDN FOR TEST AND DEMONSTRATIONS	
2)	14000.0000-14500.0000	V	1M80G2D	Tx	60.73	34.20	1	ISDN FOR TEST AND DEMONSTRATIONS	
3)	14000.0000-14500.0000	H	3M17G2D	Tx	63.19	34.20	1	ISDN FOR TEST AND DEMONSTRATIONS	
4)	14000.0000-14500.0000	V	3M17G2D	Tx	63.19	34.20	1	ISDN FOR TEST AND DEMONSTRATIONS	
5)	11700.0000-12200.0000	H,V		Rx			1	ISDN FOR TEST AND DEMONSTRATIONS	



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File Number: SES-RWL-20070131-00175

Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	14000.0000-14500.0000	1.0W	-56.0W	00.0	-00.0	000.0	-000.0	0	1
2)	14000.0000-14500.0000	174.0W	-186.0W	00.0	-00.0	000.0	-000.0	0	1
3)	11700.0000-12200.0000	1.0W	-56.0W						1
4)	11700.0000-12200.0000	174.0W	-186.0W						1

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to INTELSAT AOR @ 342.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 2) 1 to INTELSAT AOR @ 328.6 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 3) 1 to INTELSAT AOR @ 310.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 4) 1 to INTELSAT AOR @ 359.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 5) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 6) 1 to INTELSAT AOR @ 332.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 7) 1 to INTELSAT AOR @ 328.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 8) 1 to INTELSAT 805 in AOR @ 304.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 9) 1 to INTELSAT AOR @ 330.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 10) 1 to INTELSAT AOR @ 319.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 11) 1 to INTELSAT AOR @ 338.7 E.L. (U.S.-licensed)
- 12) 1 to INTELSAT AOR @ 335.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 13) 1 to INTELSAT AOR @ 325.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 14) 1 to INTELSAT POR @ 174.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 15) 1 to INTELSAT POR @ 180.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 16) 1 to INTELSAT POR @ 176.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 17) 1 to New Skies Satellite, N.V. 513 @ 183.0 E.L. (Netherlands-licensed) (Non-U.S.-licensed)
- 18) 1 to New Skies Satellite, N.V. 5 (formerly NSS-803) @ 338.5 E.L. / 177.0 WL (Netherlands-licensed) (Non-U.S.-licensed)
- 19) 1 to New Skies Satellite, N.V. 806 @ 319.5 E.L. (Netherlands-licensed) (Non-U.S.-licensed)
- 20) 1 to New Skies Satellite, N.V. K @ 338.5 E.L. (Netherlands-licensed) (Non-U.S.-licensed)



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Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

E) Antenna Facilities

Site/Elevation: 0 (Meters) AMSL

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
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1	1	1	2.4	TELETRONICS INTL INC		4.27 AGL/ 0 AMSL	
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Max Gains(s): 46.9 dBi @ 12.0000 GHz 48.2 dBi @ 14.0000 GHz

Maximum total input power at antenna flange (Watts) = 157.70

Maximum aggregate output EIRP for all carriers (dBW) = 70.20

F) Remote Control Point:

1 Call Sign: E970091

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.

1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.

2068 --- The use of these small diameter earth station facilities is authorized pursuant to the Commission's Declaratory Order in Routine Licensing of Large Networks of Small Antenna Earth Stations Operating in the 12/14 GHz Frequency Bands released April 9, 1986.

2084 --- Operation of this station shall be in accordance with the frequency coordination and notification procedural criteria established by the Commission's Memorandum, Opinion, Order and Authorization in Western Tele-communications Inc. (Mimeo 003640).

2098 --- (a) Operation of this station is limited to locations within the territory of the United States. (b) All operations shall be in accordance with the applicable provisions of Sections 101.815 and 101.817 of the Rules.

2614 --- Licensee is authorized to provide fixed-satellite service excluding Direct-to-Home service, between the United States and countries listed in this underlying application. See DISCO II.



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Grant date: 02/05/2007

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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 2641 --- The provision of purely domestic service via the INTELSAT satellites is prohibited.
- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)
- 3816 --- This authorization is not to be construed as permitting the provision of any commercial service. Comsat may use the antenna for occasional test and demonstration purposes in support of current and future services developed by INTELSAT provided the services fit the licensed parameters and emissions.
- 3817 --- By letter, dated December 12, 1991, the US Department of State informed the Commission that "the Department of State has verified with the Department of Defense that the proposed facility and service are in support of national security requirements and therefore, as per INTERSAT Agreement Article XIV(g), no coordination with INTELSAT is required."
- 3818 --- The provision of purely domestic service via non-US-licensed satellites is prohibited.
- 5011 --- The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dBW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
- 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970091

Authorization Type: Renewal of License

File Number: SES-RWL-20070131-00175

Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 5013 --- In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.
- 5015 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.
- 5018 --- This license shall be forfeited automatically if this station is not ready for operation within the time specified unless, prior to the expiration date of this license, the Commission receives an Application for Additional Time to Construct a Radio Station (FCC Form 701) filed by the Licensee(s) showing good cause why the Licensee(s) could not complete construction on time.
- 5208 --- The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
- 5216 --- All operations shall be on a non-common carrier basis.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970091

Authorization Type: Renewal of License

File Number: SES-RWL-20070131-00175

Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

5737 --- In accordance with the ordering clause at paragraph 84 of the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, the Ku-band frequencies on New Skies Satellite N.V. 806 have not been coordinated for operation over North America. Thus, Ku-band operations over the New Skies Satellite N.V. 806 satellite in the United States may not cause interference to, and may not claim protection from: (1) any U.S.-licensed geostationary satellite network and (2) non-U.S.-licensed geostationary satellite networks operating in conformance with international coordination agreements.

5738 --- This authorization is subject to the conditions and terms set forth in the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, and Memorandum Opinion and Order, FCC 01-107, released March 29, 2001, and New Skies Satellites N.V., Petition for Declaratory Ruling, Order, DA 01-513 (Int'l Bureau, Satellite and Radiocommunication Division, released Mar. 29, 2001)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970091

Authorization Type: Renewal of License

File Number: SES-RWL-20070131-00175

Non Common Carrier

Grant date: 02/05/2007

Expiration Date: 03/28/2022

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

Nature of Service: International Fixed Satellite Service

Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	VARIOUS,			0	UNK

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

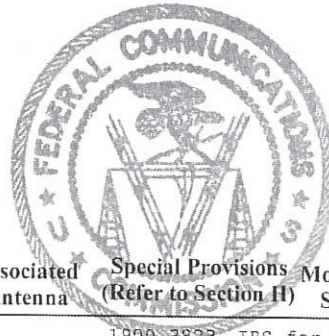
Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning July 18, 2006 (3 AM Eastern Standard Time) and ending July 18, 2021 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.



#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14000.0000-14500.0000	H,V	3M00G7D	Tx	62.70	34.00	1	1900 3823	IBS for TEST
2)	14000.0000-14500.0000	H,V	6M00G7D	Tx	62.70	30.90	1	1900 3823	IBS for TEST
3)	11450.0000-11700.0000	H,V	3M00G7D	Rx			1	1010 3823	IBS for TEST
4)	11450.0000-11700.0000	H,V	6M00G7D	Rx			1	1010 3823	IBS for TEST
5)	10950.0000-11200.0000	H,V	3M00G7D	Rx			1	1010 3823	IBS for TEST
6)	10950.0000-11200.0000	H,V	6M00G7D	Rx			1	1010 3823	IBS for TEST



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	14000.0000-14500.0000	1.0W	56.0W	05.0	05.0	000.0	000.0	0	1
2)	14000.0000-14500.0000	174.0W	183.0W	05.0	05.0	000.0	000.0	0	1
3)	10950.0000-11200.0000	1.0W	56.0W	05.0	05.0	000.0	000.0	0	1
4)	10950.0000-11200.0000	174.0W	183.0W	05.0	05.0	000.0	000.0	0	1
5)	11450.0000-11700.0000	1.0W	56.0W	05.0	05.0	000.0	000.0	0	1
6)	11450.0000-11700.0000	174.0W	183.0W	05.0	05.0	000.0	000.0	0	1

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this License:

- 1) 1 to INTELSAT AOR @ 342.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 2) 1 to INTELSAT AOR @ 328.6 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 3) 1 to INTELSAT AOR @ 310.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 4) 1 to INTELSAT AOR @ 359.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 5) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 6) 1 to INTELSAT AOR @ 332.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 7) 1 to INTELSAT AOR @ 328.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 8) 1 to INTELSAT 805 in AOR @ 304.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 9) 1 to INTELSAT AOR @ 330.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 10) 1 to INTELSAT AOR @ 319.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 11) 1 to INTELSAT AOR @ 338.7 E.L. (U.S.-licensed)
- 12) 1 to INTELSAT AOR @ 335.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 13) 1 to INTELSAT AOR @ 325.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 14) 1 to INTELSAT POR @ 174.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 15) 1 to INTELSAT POR @ 180.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 16) 1 to INTELSAT POR @ 176.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 17) 1 to New Skies Satellite, N.V. 5 (formerly NSS-803) @ 338.5 E.L. / 177.0 WL (Netherlands-licensed)
(Non-U.S.-licensed)
- 18) 1 to New Skies Satellite, N.V. 806 @ 319.5 E.L. (Netherlands-licensed) (Non-U.S.-licensed)
- 19) 1 to New Skies Satellite, N.V. K @ 338.5 E.L. (Netherlands-licensed) (Non-U.S.-licensed)
- 20) 1 to New Skies Satellite, N.V. 513 @ 183.0 E.L. (Netherlands-licensed) (Non-U.S.-licensed)



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

E) Antenna Facilities

Site/Elevation: 0 (Meters) AMSL

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	2.4	PRODELIN	1251	6.1 AGL/ 0 AMSL	
Max Gains(s):		47.5 dBi @ 12.0000 GHz		49.2 dBi @ 14.0000 GHz			
Maximum total input power at antenna flange (Watts) =					22.50		
Maximum aggregate output EIRP for all carriers (dBW) =					62.72		

F) Remote Control Point:

1 Call Sign: E970319

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

- A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:
- 1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
 - 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
 - 2084 --- Operation of this station shall be in accordance with the frequency coordination and notification procedural criteria established by the Commission's Memorandum, Opinion, Order and Authorization in Western Tele-communications Inc. (Mimeo 003640).
 - 2098 --- (a) Operation of this station is limited to locations within the territory of the United States. (b) All operations shall be in accordance with the applicable provisions of Sections 101.815 and 101.817 of the Rules.
 - 2614 --- Licensee is authorized to provide fixed-satellite service excluding Direct-to-Home service, between the United States and countries listed in this underlying application. See DISCO II.
 - 2641 --- The provision of purely domestic service via the INTELSAT satellites is prohibited.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 3465 --- This authorization is subject to the policies adopted in the Report and Order, "Amendment of the Commission's Regulatory Policies to allow Non-US-Licensed Space Stations to provide Domestic and International Satellite Services in the United States," IB Docket 96-111, FCC 97-399 (Released November 26, 1997). (DISCO II)
- 3816 --- This authorization is not to be construed as permitting the provision of any commercial service. Comsat may use the antenna for occasional test and demonstration purposes in support of current and future services developed by INTELSAT provided the services fit the licensed parameters and emissions.
- 3817 --- By letter, dated December 12, 1991, the US Department of State informed the Commission that "the Department of State has verified with the Department of Defense that the proposed facility and service are in support of national security requirements and therefore, as per INTERSAT Agreement Article XIV(g), no coordination with INTELSAT is required."
- 3823 --- PanAmsat Corporation filed a Comment on June 26, 1997, and indicated that it did not oppose the application so long as the operation of the subject earth station is strictly confined to tests and demonstrations. Therefore, the licensee is authorized to provide INTELSAT Business Service (IBS) via INTELSAT satellites in support of advanced technology digital signals for test and demonstration purposes only, and is not permitted to charge fees for the use of terminals for commercial service.
- 5011 --- The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dBW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
- 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.
- 5013 --- In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 5014 --- With respect to potential co-channel interference to or from terrestrial microwave radio stations, the transmit and receive frequency bands listed in this license have been cleared for transmissions to and from satellites located in the geostationary or non-geostationary orbit for the emissions designated in Section B of this license.
- 5015 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commissions or otherwise transferred in violation of the Communications Act of 1934, as amended, or the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.
- 5018 --- This license shall be forfeited automatically if this station is not ready for operation within the time specified unless, prior to the expiration date of this license, the Commission receives an Application for Additional Time to Construct a Radio Station (FCC Form 701) filed by the Licensee(s) showing good cause why the Licensee(s) could not complete construction on time.
- 5216 --- All operations shall be on a non-common carrier basis.
- 5737 --- In accordance with the ordering clause at paragraph 84 of the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, the Ku-band frequencies on New Skies Satellite N.V. 806 have not been coordinated for operation over North America. Thus, Ku-band operations over the New Skies Satellite N.V. 806 satellite in the United States may not cause interference to, and may not claim protection from: (1) any U.S.-licensed geostationary satellite network and (2) non-U.S.-licensed geostationary satellite networks operating in conformance with international coordination agreements.
- 5738 --- This authorization is subject to the conditions and terms set forth in the Commission's Order and Authorization, FCC 99-210, released August 6, 1999, and Memorandum Opinion and Order, FCC 01-107, released March 29, 2001, and New Skies Satellites N.V., Petition for Declaratory Ruling, Order, DA 01-513 (Int'l Bureau, Satellite and Radiocommunication Division, released Mar. 29, 2001)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat LLC

Call Sign: E970319

Authorization Type: Renewal of License

File Number: SES-RWL-20060619-01027

Non Common Carrier

Grant Date: 06/22/2006

Expiration Date: 07/18/2021

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: INTELSAT LLC
 Authorization Type: License
 Non Common Carrier

Call Sign: E070230
 File Number: SES-LIC-20070927-01329
 Grant date: 11/05/2007 Expiration Date: 11/05/2022



Nature of Service: Fixed Satellite Service
 Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1.8M	VARIOUS,				NA

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning November 5, 2007 (3 AM Eastern Standard Time) and ending November 5, 2022 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is November 5, 2008 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.
 The General Provision 1900 applies to all transmitting frequency bands.
 For the text of these provisions, refer to Section H.

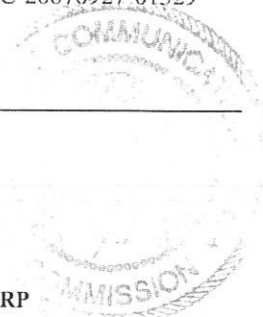
#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	11700.0000-12200.0000	H, V, L, R	1M00G7W-	Rx			T1		DIGITAL DATA
2)	11700.0000-12200.0000	H, V, L, R	2M50G7W-	Rx			T1		DIGITAL DATA
3)	14000.0000-14500.0000	H, V, L, R	1M00G7W-	Tx	52.70	28.70	T1		DIGITAL DATA
4)	14000.0000-14500.0000	H, V, L, R	2M50G7W-	Tx	52.70	24.70	T1		DIGITAL DATA



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

Name: INTELSAT LLC
Authorization Type: License
Non Common Carrier

Call Sign: E070230
File Number: SES-LIC-20070927-01329
Grant date: 11/05/2007 Expiration Date: 11/05/2022



C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	11700.0000-12200.0000	60.0W	-143.0W	05.0	-05.0	005.0	-005.0		T1
2)	14000.0000-14500.0000	60.0W	-143.0W	05.0	-05.0	005.0	-005.0	-5.25	T1

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1.8M to All authorized U.S. Domestic (ALSAT) Satellites.

E) Antenna Facilities

Site/Elevation:

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1.8M	T1	1	1.8	Prodelin Corp	1194	3.05 AGL	
Max Gains(s):		46.7 dBi @	14.2500 GHz	45.2 dBi @	11.9500 GHz		
Maximum total input power at antenna flange (Watts) =					4.00		
Maximum aggregate output EIRP for all carriers (dBW) =					52.70		

F) Remote Control Point:

1.8M

Call Sign:

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: INTELSAT LLC
Authorization Type: License
Non Common Carrier

Call Sign: E070230
File Number: SES-LIC-20070927-01329
Grant date: 11/05/2007 Expiration Date: 11/05/2022

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 2938 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5208 --- The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: INTELSAT LLC
Authorization Type: License
Non Common Carrier

Call Sign: E070230
File Number: SES-LIC-20070927-01329
Grant date: 11/05/2007 Expiration Date: 11/05/2022

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

*Prior(Closed) Authorization : FCC WEB Reproduction
Unofficial Copy*

Name: INTELSAT LICENSE LLC

Call Sign: E040286
File Number: SES-LIC-20040628-00889

Authorization Type: License
Non Common Carrier **Grant Date:** **Expiration Date:**

Nature of Service: Domestic Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	1	22021 COMSAT Drive Clarksburg, Montgomery, MD, 20871	39° 13' 5.4" N	77° 16' 16.1" W	150.0	83	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning 00/00/0000 (3 AM Eastern Standard Time) and ending 00/00/0000 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.
The General Provision 1900 applies to all transmitting frequency bands.
For the text of these provisions, refer to Section H.

#	Frequency	Polarization	Emission	Tx/Rx Mode	Max EIRP /Carrier	Max EIRP Density	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	29500.0000 - 30000.0000	H,V,L,R	1M00G7W	T	57.60	33.60	1		In-Orbit Testing Carrier
2)	29500.0000 - 30000.0000	H,V,L,R	100KG7W	T	57.60	43.60	1		In-Orbit Testing Carrier
3)	29500.0000 - 30000.0000	H,V,L,R	N0N	T	57.60	20.89	1		In-Orbit Testing Carrier
4)	19700.0000 - 20200.0000	H,V,L,R	1M00G7W	R			1		In-Orbit Testing Carrier
5)	19700.0000 - 20200.0000	H,V,L,R	100KG7W	R			1		In-Orbit Testing Carrier
6)	19700.0000 - 20200.0000	H,V,L,R	N0N	R			1		In-Orbit Testing Carrier

C) Frequency Coordination

#	Frequency Limits(MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit	Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
1)	29500.0000 - 30000.0000	6.0W-149.0W	5.7 - 5.4	102.1 - 258.2		1
2)	19700.0000 - 20200.0000	6.0W-149.0W	5.7 - 5.4	102.1 - 258.2		1

D) Point of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:
1) 1 to IA-8 Intelsat Americas satellite @ 89 degrees W.L., of the INTELSAT system (U.S.-licensed)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION
Prior(Closed) Authorization : FCC WEB Reproduction
 Unofficial Copy

Name: INTELSAT LICENSE LLC

Call Sign: E040286
File Number: SES-LIC-20040628-00889

Authorization Type: License
Non Common Carrier **Grant Date:** **Expiration Date:**

2) 1 to IA-8 Intelsat Americas satellite @109.2 degrees W.L., of the INTELSAT system (U.S.-licensed)

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	2.4	Vertex/RSI	2.4SF-KA	150.0	3.2 AGL/ 153.2 AMSL	

Max Gains(s): 51.7 dBi @ 19.9500 GHz 54.6 dBi @ 29.7500 GHz

Maximum total input power at antenna flange (Watts) = 2.0

Maximum aggregate output EIRP for all carriers (dBW) 57.6

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1010 Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1900 Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2916 Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 2938 Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5125 Licensee shall not cause harmful interference to any other lawfully operating satellite or radio facility and shall cease operations upon notification of such interference.
- 5216 All operations shall be on a non-common carrier basis.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION**

*Prior(Closed) Authorization : FCC WEB Reproduction
Unofficial Copy*

Name: INTELSAT LICENSE LLC

Call Sign: E040286
File Number: SES-LIC-20040628-00889

Authorization Type: License
Non Common Carrier **Grant Date:** **Expiration Date:**

H) Special and General Provisions

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993". These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: PanAmSat Licensee Corp.

Call Sign: E990055

Authorization Type: Renewal of License

File Number: SES-RWL-20090310-00280

Non Common Carrier

Grant date: 03/12/2009

Expiration Date: 04/21/2024

Nature of Service: Domestic Fixed Satellite Service

Nature of Service: International Fixed Satellite Service

Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	VARIOUS,				UNK

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning April 21, 2009 (3 AM Eastern Standard Time) and ending April 21, 2024 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14000.0000-14500.0000	L,R	76K8G7D-	Tx	45.40	32.50	1		DIGITAL DATA
2)	14000.0000-14500.0000	L,R	1M86G7D	Tx	52.50	25.80	1		DIGITAL DATA
3)	11700.0000-12200.0000	L,R	76K8G7D-	Rx			1		DIGITAL DATA
4)	11700.0000-12200.0000	L,R	1M86G7D	Rx			1		DIGITAL DATA



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: PanAmSat Licensee Corp.

Call Sign: E990055

Authorization Type: Renewal of License

File Number: SES-RWL-20090310-00280

Non Common Carrier

Grant date: 03/12/2009

Expiration Date: 04/21/2024

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	14000.0000-14500.0000	45.0W	-169.0W	05.0	-05.0				1
2)	11700.0000-12200.0000	45.0W	-169.0W	05.0	-05.0				1

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to PANAMSAT 4 (PAS-4) @ 191.0 W.L.(U.S.-licensed domestic satellite)
- 2) 1 to INTELSAT POR @ 176.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 3) 1 to INTELSAT POR @ 174.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 4) 1 to All authorized U.S. Domestic (ALSAT) Satellites.
- 5) 1 to PANAMSAT 1R (PAS-1R) @ 45.0 W.L. (U.S.-licensed domestic satellite)
- 6) 1 to PANAMSAT 9 (PAS-9 @ 58.0 W.L.) (U.S.-licensed domestic satellite)
- 7) 1 to INTELSAT POR @ 180.0 E.L. satellite of the INTELSAT system (U.S.-licensed)

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	1.8	PRODELIN CORP.	1184			
Max Gains(s):		45.0 dBi @	11.9500 GHz	46.5 dBi @	14.2500 GHz			
Maximum total input power at antenna flange (Watts) =					4.00			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: PanAmSat Licensee Corp.

Call Sign: E990055

Authorization Type: Renewal of License

File Number: SES-RWL-20090310-00280

Non Common Carrier

Grant date: 03/12/2009

Expiration Date: 04/21/2024

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2098 --- (a) Operation of this station is limited to locations within the territory of the United States. (b) All operations shall be in accordance with the applicable provisions of Sections 101.815 and 101.817 of the Rules.
- 2641 --- The provision of purely domestic service via the INTELSAT satellites is prohibited.
- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 3428 --- This authorization is not to be construed as including any uplink or downlink authority in other countries.
- 5011 --- The Licensee(s) shall maintain on file with the Commission a current list or plan of the precise frequencies in use at the station, specifying for each frequency the RF center frequency, polarization, emission designator, nominal EIRP (in dBW) and maximum EIRP density (in dBW/4kHz). This list or plan may be submitted either on a station-by-station basis or on a system-wide basis and shall be updated within seven (7) days of any changes in frequency usage at this station. The Licensee(s) need not notify the Commission of temporary usage of frequencies for periods of less than seven (7) days. However, the Licensee(s) shall maintain accurate station records of the times and particulars of such temporary frequency usage.
- 5012 --- The authority granted here is limited to the operation of the facilities described above and does not include any authority to install and operate channelizing equipment or any other authority under Section 214 of the Communications Act of 1934, as amended, to establish channels of communications.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: PanAmSat Licensee Corp.

Call Sign: E990055

Authorization Type: Renewal of License

File Number: SES-RWL-20090310-00280

Non Common Carrier

Grant date: 03/12/2009

Expiration Date: 04/21/2024

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 5013 --- In the event of the failure of a satellite with which operations are authorized in Section D of this license, operations are authorized in conjunction with the authorized INTELSAT satellite in the affected Ocean Region that provides the services authorized herein in order to maintain the continuity of commercial service; provided that the licensee(s) immediately notify the Commission of the nature of this emergency and its expected duration; and provided that the operational limits of elevation angle and azimuth range specified in Section C of this license are not exceeded. In the event that such emergency operations require emissions not specified in Section B of this license, such emissions may be utilized provided that the EIRP's of such emissions do not exceed the limits set forth in this license.
- 5015 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 5017 --- Operation of this station is governed by the terms, conditions and limitations in Part 25 of the Commission's Rules and Regulations and the following additional conditions: 1. This license shall not vest in the Licensee(s) any right to operate the station or any right in the use of the frequencies designated in the license beyond its term or in any other manner than authorized in the license; 2. Neither the license nor the right granted under it shall be assigned or otherwise transferred in violation of the Commission's Rules and Regulations issued under it; and 3. This station is subject to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended.
- 5018 --- This license shall be forfeited automatically if this station is not ready for operation within the time specified unless, prior to the expiration date of this license, the Commission receives an Application for Additional Time to Construct a Radio Station (FCC Form 701) filed by the Licensee(s) showing good cause why the Licensee(s) could not complete construction on time.
- 5216 --- All operations shall be on a non-common carrier basis.
- 5240 --- All operations via the INTELSAT satellites are limited to the countries excluding the restricted countries listed in Comsat's international tariff provisions for the space components of authorized services in Section B..
- 5525 --- This authorization is issued pursuant to the Commission's Report and Order released January 22, 1996 (FCC 96-14), Disco I.
- 5630 --- International services shall be consistent with this emission designator, the underlying title III application(s) and the acquisition of any necessary Section 214 authority.
- 5723 --- All communications shall be in accordance with the satellites and services which have completed any necessary technical consultations under Article XIV (d) of the INTELSAT Agreement and which the Commission has approved.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: PanAmSat Licensee Corp.

Call Sign: E990055

Authorization Type: Renewal of License

File Number: SES-RWL-20090310-00280

Non Common Carrier

Grant date: 03/12/2009

Expiration Date: 04/21/2024

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.



UNITED STATES OF AMERICA
 FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: E010118

Authorization Type: Renewal of License

File Number: SES-RWL-20110426-00499

Non Common Carrier

Grant date: 04/29/2011

Expiration Date: 06/13/2026

Nature of Service: Domestic Fixed Satellite Service

Class of Station: Temporary Fixed Earth Station

A) Site Location(s)

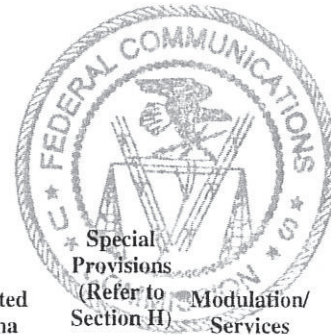
#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	2857 FORK CREEK CHURCH RD. ELLENWOOD, DEKALB, GA 30294 VARIOUS,				NA

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning June 13, 2011 (3 AM Eastern Standard Time) and ending June 13, 2026 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.
 The General Provision 1900 applies to all transmitting frequency bands.
 For the text of these provisions, refer to Section H.



#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14000.0000-14500.0000	H, V	18M0F8F	Tx	67.00	40.00	Conyers-K3		ANALOG VIDEO
2)	14000.0000-14500.0000	H, V	36M0F8F	Tx	70.00	43.00	Conyers-K3		ANALOG VIDEO
3)	14000.0000-14500.0000	H, V	36M0G7W	Tx	70.00	30.50	Conyers-K3		DIGITAL VIDEO AND DATA
4)	14000.0000-14500.0000	H, V	64K0G7W	Tx	44.00	32.00	Conyers-K3		DIGITAL VIDEO AND DATA
5)	11700.0000-12200.0000	H, V	18M0F8F	Rx			Conyers-K3		
6)	11700.0000-12200.0000	H, V	36M0F8F	Rx			Conyers-K3		
7)	11700.0000-12200.0000	H, V	36M0G7W	Rx			Conyers-K3		
8)	11700.0000-12200.0000	H, V	64K0G7W	Rx			Conyers-K3		



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: E010118

Authorization Type: Renewal of License

File Number: SES-RWL-20110426-00499

Non Common Carrier

Grant date: 04/29/2011

Expiration Date: 06/13/2026

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	14000.0000-14500.0000	43.0W	139.0W						Conyers-K3
2)	11700.0000-12200.0000	43.0W	139.0W						Conyers-K3

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to All authorized U.S. Domestic (ALSAT) Satellites.

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	Conyers-K3	1	1.9	ADVENT	1900 MKIII		3.9 AGL	
Max Gains(s):			44.5 dBi @	12.0000 GHz	46.9 dBi @	14.0000 GHz		
Maximum total input power at antenna flange (Watts) =						250.00		
Maximum aggregate output EIRP for all carriers (dBW) =						70.90		

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.

1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.

2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.



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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 2938 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 5208 --- The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
- 5216 --- All operations shall be on a non-common carrier basis.



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B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.