S2847 SAT-LOA-20111024-00208 IB2011004665
Intelsat License LLC
INTELSAT 20

GRANTED*
International Bureau
*with conditions

File # SAT-LOA-20111024-00208
Call Sign S2847 Grant Date 07/26/12
(or other identifier)
Term Dates From see conditions To: see conditions
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060–0678

Date & Time Filed: Oct 24 2011 4:46:49:166PM
File Number: SAT–LOA–20111024–00208
Callsign/Satellite ID: S2847

APPLICATION FOR SATELLITE SPACE STATION AUTHORIZATIONS FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	FCC Use Only

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Authority to Launch and Operate Intelsat 20, a Replacement Satellite With New Frequencies, at 68.5 E.L.

1–8. Legal Name of Applicant

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

Intelsat License LLC
IBFS File No. SAT–LOA–20111024–00208
Call Sign S2847

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT–LOA–20111024–00208, is GRANTED. Accordingly, Intelsat is authorized to construct, launch, and operate its proposed C-, Ku-, and Ka-band geostationary orbit space station, Intelsat 20 (Call Sign S2847), at the 68.5° E.L. orbital location. Specifically, Intelsat is authorized to provide Fixed-Satellite Service (FSS) using the 3700-4200 MHz (space-to-Earth), 5925-6675 MHz (Earth-to-space), 10.95-11.20 GHz (space-to-Earth), 11.45-11.70 GHz (space-to-Earth), 12.50-12.75 GHz (space-to-Earth), 13.75-14.00 GHz (Earth-to-space), 14.0-14.50 GHz (Earth-to-space), 19.70-20.2 GHz (space-to-Earth), and 29.5-30.0 GHz (Earth-to-space) frequency bands. Intelsat is also authorized to perform telemetry, tracking, and command operations necessary to maintain Intelsat 20 at the 68.5° E.L. orbital location using the center frequencies of 12.7465 GHz, 12.747 GHz, 12.748 GHz, or 12.7485 GHz (space-to-Earth) and 13.7505 GHz and 14.498 GHz (Earth-to-space). Operations under this authorization must be in accordance with the terms and conditions contained in Intelsat's application, as supplemented, the Federal Communications Commission's rules not waived herein, and are subject to the following conditions:

1. Intelsat shall prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, international coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. Intelsat shall be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, by successfully completing coordination agreements. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments of other administrations. 47 C.F.R. § 25.111(b).
2. Intelsat must maintain its Intelsat 20 spacecraft with an east/west longitudinal station-keeping tolerance of ± 0.05 degrees of the 68.5° E.L. orbital location.
3. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
4. Intelsat is directed to bear in mind the needs of the passive services when operating the Intelsat 20 space station in the 6425-6675 MHz frequency band pursuant to Footnote 5.458 to the United States Table of Frequency Allocations, 47 C.F.R. §2.106, Footnote 5.458.
5. Operations of Intelsat 20 in the 6425–6675 frequency band must comply with the terms of footnotes 5.149 and US342 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, 5.149, US342, which urge applicants to take all practicable steps to protect the radio astronomy service from harmful interference.
6. Operations of Intelsat 20 in the 10.95-11.2 GHz and 11.45-11.70 GHz bands shall comply with the terms of footnote US211 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.

7. Operations of Intelsat 20 in the 10.95-11.2 GHz and 11.45-11.70 GHz bands are limited to international operations in accordance with footnote NG104 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, NG 104, and footnote 2 of Section 25.202(a)(1) of the Commission's rules, 47 C.F.R. § 25.202(a)(1).
8. Use of the 12.50-12.75 GHz frequency band is not permitted for Fixed-Satellite Service in the space-to-Earth direction in Region 2.
9. In the 13.75-14.00 GHz band (Earth-to-space), receiving space stations in the Fixed-Satellite Service shall not claim protection from radiolocation transmitting stations operating in accordance with the United States Table of Frequency Allocations.
10. Pursuant to footnote US337 of the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, any earth station in the United States and its possessions communicating with the Intelsat 20 space station in the 13.75-14.00 GHz band (Earth-to-space) is required to coordinate through National Telecommunications and Information Administration's (NTIA's) Interdepartment Radio Advisory Committee's (IRAC's) Frequency Assignment Subcommittee (FAS) to minimize interference to the National Aeronautics and Space Administration Tracking and Data Relay Satellite System, including manned space flight.
11. Operations of any earth station in the United States and its possessions communicating with the Intelsat 20 space station in the 13.75-14.00 GHz band (Earth-to-space) shall comply with footnote US356 to United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US356 which specifies a mandatory minimum antenna diameter of 4.5 meters and a non-mandatory minimum and maximum equivalent isotropically radiated powers (e.i.r.p.). Operations of any earth station located outside the United States and its possessions communicating with the Intelsat 20 space station in the 13.75-14.00 GHz band (Earth-to-space) shall be consistent with footnote 5.502 to the ITU Radio Regulations, which allows a minimum antenna diameter of 1.2 meters for earth stations of a geostationary satellite orbit network and specifies mandatory power limits.
12. Operations of any earth station in the United States and its possessions communicating with the Intelsat 20 space station in the 13.77-13.78 GHz frequency band (Earth-to-space) shall comply with footnote US357 to United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US357, which specifies that a required maximum e.i.r.p. density of emissions not exceed 71 dBW in any 6 MHz band for communications with a space station in geostationary-satellite orbit. Operations of any earth station located outside the United States and its possessions communicating with the Intelsat 20 space station in the 13.77-13.78 GHz frequency band (Earth-to-space) shall comply with footnote 5.503 to the ITU Radio Regulations, which specifies a required maximum e.i.r.p. density of emissions (limit is dependent on antenna diameter) for communications with a space station in geostationary-satellite orbit.
13. Operators of earth stations communicating with the Intelsat 20 space station in the 13.75-14.00 GHz band are encouraged to cooperate voluntarily with the National Aeronautics

and Space Administration (NASA) in order to facilitate continued operation of NASA's Tropical Rainfall Measuring Mission (TRMM) satellite.[1]

14. Intelsat shall comply with the power levels specified in Section 25.212 of the Commission's rules, unless it coordinates any operations using power levels exceeding the levels in Section 25.212 with all potentially affected adjacent satellites within 6 degrees orbital separation of the 68.5° E. L. orbital location. Intelsat shall inform the Commission of the power levels it has coordinated. In addition, Intelsat must inform all affected earth station operators that Section 25.220 of the Commission's rules applies to operations that exceed the power levels specified in Section 25.212. In no event shall the uplink input power spectral density level of Intelsat 20's digital carriers exceed -38.7 dBW/Hz into the antenna and the downlink EIRP density of such carriers exceed -32 dBW/Hz for the C-band. Further, in no event shall the uplink input power spectral density of Intelsat 20's digital carriers exceed -45 dBW/Hz into the antenna and the downlink EIRP density of such carriers exceed -20 dBW/Hz for the Ku-band. Finally, for the Ka-band, the uplink maximum EIRP density shall not exceed -45 dBW/Hz into the antenna, and the downlink maximum EIRP density shall not exceed -15.9 dBW/Hz, which corresponds to the limit contained in Section 25.138(a)(6) of the Commission's rules for an angle of arrival of 90° E.L.

15. Intelsat must coordinate its space-to-Earth operations in the 19.7-20.2 GHz frequency band with the U.S. Federal Systems, including Federal operations to earth stations in foreign countries, in accordance with footnote US334 to the Table of Frequency Allocations, 47 C.F.R. § 2.106.

16. The power flux-density (PFD) at the Earth's surface produced by the emissions from the Intelsat 20 space station for all atmospheric conditions, and for all methods of modulation in the 19.7-20.2 GHz frequency band shall not exceed the level specified in 47 C.F.R. § 25.138(a)(6).

17. Intelsat's request for a waiver of Section 25.114(d)(3) of the Commission's rules, 47 C.F.R. § 25.114(d)(3), IS GRANTED. Section 25.114(d)(3) requires predicted space station antenna gain contour(s) for each transmit and each receive antenna beam and nominal orbital location requested. Intelsat's application indicates that with respect to the gain contours of Intelsat 20's omni command and telemetry antennas (Exhibits 5B-2, 5B-3, 5B-5 and 5B-6 in the Engineering Statement), the beam patterns were not prepared in accordance with the parameters specified in Section 25.114(d)(3) of the Commission's

[1] NASA's TRMM satellite system radar in the 13.793-13.805 GHz frequency band remains operational and is a highly valuable and visible United States asset with a broad range of international users. Accordingly, NTIA has requested cooperation from the Commission and non-Federal Government entities in providing assistance in reducing interference with the TRMM radar. Specifically, NTIA requests that FSS earth stations in the 13.793 - 13.805 GHz frequency band located south of 39° N. and east of 110° W. operate with emission levels below –150 dBW/600 kHz at the TRMM space station receiver. Letter from Frederick R. Wentland, Acting Associate Administrator, Office of Spectrum Management, NTIA, to Don Abelson, Chief, International Bureau, FCC (February 28, 2002). Considering the secondary nature of the TRMM operation, NTIA's request is not a condition of this authorization. The Commission, however, urges all operators of earth stations accessing the Intelsat 20 space station in the 13.75 - 14.0 GHz frequency band to cooperate voluntarily with NASA in order to facilitate continued operation of the TRMM satellite.

rules because the satellite manufacturer does not provide the patterns in the required form because the omni antennas are used primarily for emergencies, and the pointing of these antennas with respect to the Earth will vary during an emergency situation. We find, however, that Exhibits 5B-2, 5B-3, 5B-5 and 5B-6, together with the descriptive characterization provided on pages 14 and 15 of the Engineering Statement, fulfill the requirements of Section 25.114(d)(3).

18. Intelsat's request for a waiver of Section 25.210(i)(1), of the Commission's rules, 47 C.F.R. § 25.210(i)(1), for the Intelsat 20 space station is granted, as conditioned. Section 25.210(i)(1) requires FSS space station antennas to be designed to meet a cross-polarization isolation of 30 dB within the primary coverage area of the antenna. The cross-polarization isolation of some of the antennas in Intelsat 20's primary coverage area for the Intelsat 20 Ka-band receive and transmit beams will be less than the minimum 30 dB required by the rules. Specifically, the minimum cross-polarization isolation within the primary coverage area of these beams is 20 dB or greater. This waiver is based upon a finding that this shortfall will not produce a significant increase in interference, except to the space station itself, and will not adversely affect any other operator. As a condition of the waiver, Intelsat must accommodate future satellite networks serving the United States that are two-degree compliant and other licensed radiocommunication systems operating in accordance with the Commission's rules.

19. Intelsat 20 must begin providing service at the 68.5° E.L. orbital location in the 3700-4200 MHz (space-to-Earth), 5925-6675 MHz (Earth-to-space), 10.95-11.20 GHz (space-to-Earth), 11.45-11.70 GHz (space-to-Earth), 12.50-12.75 GHz (space-to-Earth), 13.75-14.00 GHz (Earth-to-space), and 14.00-14.50 GHz (Earth-to-space) frequency bands before the satellites it is replacing, Intelsat 10 (Call Sign S2382) and Intelsat 7 (Call Sign S2229), discontinue service at the 68.5° E.L. and 68.65° E.L. orbital locations, respectively. Failure to meet this milestone shall render this authorization to operate in these frequency bands NULL and VOID.

20. Intelsat states that Intelsat 20 will not use the 6675-6725 MHz, 3400-3700 MHz, and 12.25-12.5 GHz frequency bands that are currently being used by the space stations that Intelsat 20 is intended to replace, Intelsat 10 and Intelsat 7. Therefore, this action is without prejudice to any decision regarding Intelsat's replacement expectancy to operate a space station in the 6675-6725 MHz, 3400-3700 MHz, and 12.25-12.5 GHz frequency bands at the 68.5° E.L. orbital location.

21. Intelsat intends to operate Intelsat 20 using the 29.5-30.0 MHz and 19.7-20.2 MHz frequency bands that are not used on either Intelsat 10 or Intelsat 7 at the 68.5° E.L. orbital location. Thus, operations in these bands are subject to the Commission's milestone and bond requirements. As part of its application, Intelsat submitted evidence that it had met the first three milestones for the 19.70-20.2 GHz and 29.50-30.0 GHz frequency bands and requested a reduction in the required bond, pursuant to Section 25.165 of the Commission's rules, 47 C.F.R. § 25.165. Based on the evidence provided, the Satellite Division finds that Intelsat has satisfied the first three milestones (execute a non-contingent contract for construction, complete the critical design review, and commence construction) required for a geostationary satellite. As a result, the milestone and bond requirements are reduced. Accordingly, this authorization to operate in the

19.70-20.2 GHz and 29.50-30.0 GHz frequency bands shall become NULL and VOID, with no further action on the Commission's part if Intelsat does not meet the following conditions:

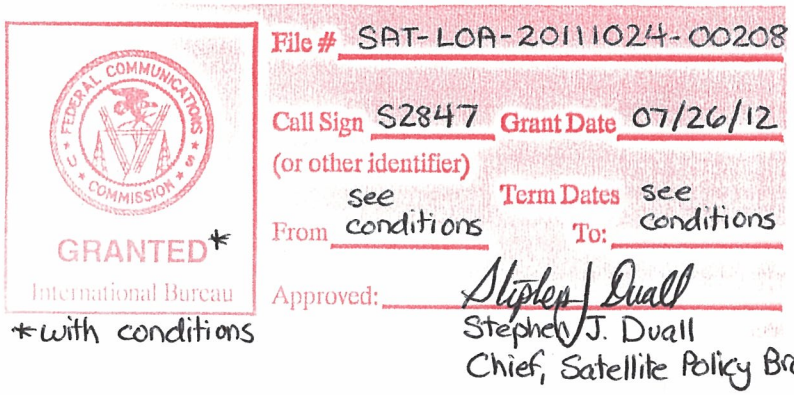
a. Intelsat must file a bond with the Commission in the amount of $750,000, pursuant to the procedures set forth in Public Notice, DA 03-2602, 18 FCC Rcd 16283 (2003), within 30 days of this grant (August 24, 2012); and

b. Intelsat 20 must be launched and placed into operation in the 19.70-20.2 GHz and 29.50-30.0 GHz frequency bands at the 68.5° E.L. orbital location within two years following the date of this authorization (July 26, 2014).

22. The license term for the Intelsat 20 space station, Call Sign 2847, is 15 years and will begin on the date that Intelsat certifies to the Commission that the satellite has been successfully placed into orbit and that its operation fully conforms to the terms and conditions of this authorization. Intelsat is directed to file this certification within 5 business days of Intelsat 20 commencing operation at the 68.5° E.L. orbital location.

23. Intelsat is afforded 30 days from the date of release of this action to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

24. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. Petitions for reconsideration under Section 1.106 of the Commission's rules or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the public notice indicating that this action was taken.



9–16. Name of Contact Representative

Name:	Susan H. Crandall	Phone Number:	202–944–7848
Company:	Intelsat Corporation	Fax Number:	202–944–7870
Street:	3400 International Drive, N.W.	E–Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 –3006
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the buttonnext to the classification that applies to thisfiling for both questions a. and b. Choose only one for 17a and only one for 17b.

a.

(N/A) a1. Earth Station

◉ a2. Space Station

b.

○ b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive–Only Station

(N/A) b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

(N/A) b5. Assignment of License or Registration

(N/A) b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive–Only Station Using Non–U.S. Licensed Satellite

○ b9. Letter of Intent to Use Non–U.S. Licensed Satellite to Provide Service in the United States

○ b10. Replacement Satellite Application – no new frequency bands

◉ b11. Replacement Satellite Application – new frequency bands (Not eligible for streamlined processing)

○ b12. Petition for Declaratory Ruling to be Added to the Permitted List

(N/A) b13. Other (Please specify)

17c. Is a fee submitted with this application?

◉ If Yes, complete and attach FCC Form 159.

If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).

○ Governmental Entity ○ Noncommercial educational licensee

○ Other(please explain):

17c. Fee Classification BNY – Space Station (Geostationary)

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
Not Applicable

19. If this filing is an amendment to a pending application enter:

(a) Date pending application was filed:

Not Applicable

(b) File number of pending application:

Not Applicable

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:

- [x] a. Fixed Satellite
- [ ] b. Mobile Satellite
- [ ] c. Radiodetermination Satellite
- [ ] d. Earth Exploration Satellite
- [ ] e. Direct to Home Fixed Satellite
- [ ] f. Digital Audio Radio Service
- [ ] g. Other (please specify)

21. STATUS: Choose thebutton next to the applicable status. Choose only one.	22. If earth station applicant, check all that apply.
○ Common Carrier ◉ Non-Common Carrier	Not Applicable

23. If applicant is providng INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one.Are these facilities:

○ Connected to a Public Switched Network ○ Not connected to a Public Switched Network ◉ N/A

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

- [x] a. C-Band (4/6 GHz)
- [x] b. Ku-Band (12/14 GHz)
- [x] c.Other (Please specify upper and lower frequencies in MHz.)

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

TYPE OF STATION

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

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

26. TYPE OF EARTH STATION FACILITY: Not Applicable

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an "X" in the box(es) next to all that apply.) Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. ○ Yes ◉ No

ALIEN OWNERSHIP

Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

29. Is the applicant a foreign government or the representative of any foreign government?	○ Yes ◉ No
30. Is the applicant an alien or the representative of an alien?	○ Yes ◉ No ○ N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	○ Yes ◉ No ○ N/A
32. Is the applicant a corporation of which more than one–fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	○ Yes ◉ No ○ N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	◉ Yes ○ No ○ N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	

BASIC QUALIFICATIONS

35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	(●) Yes ( ) No EngineeringStatement
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	(●) Yes ( ) No
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	( ) Yes (●) No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attemptiing unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	( ) Yes (●) No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	( ) Yes (●) No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	Construction Photos
41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	◉ Yes ○ No
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	○ Yes ◉ No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?	

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

Intelsat License LLC, pursuant to Section 25.114 of the rules of the Federal Communications Commission, hereby applies to launch and operate a replacement C/Ku/Ka-band satellite, to be known as Intelsat 20, at the 68.5 E.L. orbital location. Intelsat 20 is scheduled for launch on an Ariane 5 vehicle in the second or third quarter of 2012 and

Narrative & Exhibits

43a. Geographic Service Rule Certification

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

(●) A

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

( ) B

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

( ) C

Status Certification

CERTIFICATION

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

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

- ○ Individual
- ○ Unincorporated Association
- ○ Partnership
- ○ Corporation
- ○ Governmental Entity
- ◉ Other (please specify) Limited Liability Company

45. Name of Person Signing	46. Title of Person Signing
Susan H. Crandall	Asst. General Counsel, Intelsat Corporation

47. Please supply any need attachments.

1: 2: 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Completed Schedule S

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

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

Intelsat License LLC, pursuant to Section 25.114 of the rules of the Federal Communications Commission, hereby applies to launch and operate a replacement C/Ku/Ka-band satellite, to be known as Intelsat 20, at the 68.5 E.L. orbital location. Intelsat 20 is scheduled for launch on an Ariane 5 vehicle in the second or third quarter of 2012 and will replace the Intelsat 10 satellite (call sign S2382), which is currently operating at 68.5 E.L. and the Intelsat 7 satellite (call sign S 2229), which is currently operating at 68.65 E.L.