

Before the
Federal Communications Commission
Washington, DC 20554

In the Matter of

Intelsat License LLC

Application to Modify Authorization for
Intelsat 706 (S2401)

File No. SAT-MOD- _____

APPLICATION OF INTELSAT LICENSE LLC
TO MODIFY AUTHORIZATION FOR INTELSAT 706

Intelsat License LLC (“Intelsat”), pursuant to Section 25.117 of the rules of the Federal Communications Commission (“Commission” or “FCC”), 47 C.F.R. § 25.117, hereby seeks to modify the authorization for the Intelsat 706 (Call Sign S2401) satellite. Specifically, this modification seeks permanent authority to relocate Intelsat 706 to, and to operate the satellite at, 157.0° E.L. in inclined orbit mode.¹

In accordance with the requirements of the Commission’s rules,² this application has been filed electronically as an attachment to FCC Form 312. Intelsat provides the technical information relating to the proposed modification on Schedule S and in narrative form, as contained in the attached Engineering Statement, pursuant to Section 25.114 of the Commission’s rules.³

¹ Intelsat 706 began operating in inclined orbit mode in 2011. *See* Letter from Susan H. Crandall to Marlene H. Dortch, Call Sign S2401 (filed July 20, 2011).

² 47 C.F.R. § 25.117(c).

³ 47 C.F.R. § 25.114.

I. PROPOSED MODIFICATION

By this modification, Intelsat requests authority to relocate Intelsat 706 to, and operate the satellite at, 157.0° E.L. On August 16, 2012, Intelsat commenced redeployment of Intelsat 706 to 157.0° E.L. pursuant to a grant of special temporary authority.⁴ Intelsat expects to have Intelsat 706 on-station at 157.0° E.L. in mid-February 2013, and to operate Intelsat 706 at 157.0° E.L. until the satellite is de-orbited in the second half of 2014.

Intelsat commenced the drift of Intelsat 706 to 157.0° E.L. as part of a redeployment plan necessitated by the August 2012 failure of a Proton rocket and the resulting delay in the launch of Intelsat 23 (Call Sign S2831). Intelsat 23 is a replacement satellite for Intelsat 707 (Call Sign S2398) at 307.0° E.L.⁵ Intelsat 23 was scheduled for launch in August 2012, so that Intelsat 707 could replace Intelsat 801 at 330.5° E.L.⁶ As a result of the launch delay, however, it was anticipated that Intelsat 707 may not have had sufficient fuel to be redeployed to replace Intelsat 801 at 330.5° E.L. as planned. Accordingly, to ensure service continuity at 330.5° E.L., Intelsat developed a plan to redeploy Intelsat 701 (Call Sign S2400) from 157.0° E.L. to 330.5° E.L.

⁴ See Letter from Susan H. Crandall to Marlene H. Dortch, File No. SAT-STA-20120810-00127 (filed Aug. 17, 2012); see also Request for Special Temporary Authority to Drift Intelsat 706, Call Sign S2401, File No. SAT-STA-20120810-00127 (filed Aug. 10, 2012; granted Aug. 16, 2012) (“Intelsat 706 Drift STA”). Intelsat 706 was previously authorized under Special Temporary Authority to operate at 72.0° E.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-00846, File No. SAT-STA-20111230-00253 (Feb. 17, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00842, File No. SAT-STA-20120109-00002 (Feb. 3, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00829, File No. SAT-STA-20111209-00237 (Dec. 16, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00826, File No. SAT-STA-20111107-00214 (Dec. 2, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00816, File No. SAT-STA-20111010-00196 (Oct. 21, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT00813, File No. SAT-STA-20110912-00177 (Oct. 7, 2011) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00802, File No. SAT-STA-20110810-00159 (Aug. 19, 2011) (Public Notice).

⁵ Intelsat 23 was launched on October 14, 2012. The satellite is currently undergoing in-orbit testing at 51.5° W.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-00907, File No. SAT-STA-20121015-00181 (Oct. 26, 2012) (Public Notice)

⁶ See Intelsat 706 Drift STA.

This request to relocate Intelsat 706 to 157.0° E.L. will free up Intelsat 701 to move to 330.5° E.L.

During the drift of Intelsat 706 from 72.0° E.L. to 157.0° E.L., Intelsat will utilize only the satellite's TT&C frequencies. The specific TT&C frequencies are as follows:

Uplink:

6173.7 (LHCP)

6176.3 (LHCP)

Downlink:

3947.5 (RHCP)

3948.0 (RHCP)

3952.5 (RHCP)

3952.0 (RHCP)

Once located at 157.0° E.L., Intelsat also will operate the satellite's communications frequencies. Set forth below is a comparison of the frequencies on Intelsat 706, as well as the frequencies currently being operated on Intelsat 701 at 157.0° E.L.:

Frequencies (in MHz)	Intelsat 706	Intelsat 701
5925 – 6425	√	√
3700 – 4200	√	√
14000 – 14500	√	√
10950 – 11200	√	√
11450 – 11700	√	√
11700 – 11950		√
12500 – 12750	√	√

Intelsat 706 operates on all of the same frequencies as the Intelsat 701 satellite except for the 11700 – 11950 MHz band.

II. PUBLIC INTEREST SHOWING

Grant of this modification application will serve the public interest by enabling Intelsat to provide continuity of service at 157.0° E.L. as well as at 330.5° E.L. At 157.0° E.L., Intelsat 706 will replace Intelsat 701, which then will replace Intelsat 801 at 330.5° E.L.⁷

Grant of this modification application will not result in an increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Once Intelsat 706 is on-station at 157.0° E.L., Intelsat will operate the communications payload and TT&C frequencies in conformance with its coordination agreements and the FCC's rules governing operations vis-à-vis adjacent locations.

III. WAIVERS

As described in the attached Engineering Statement, Intelsat requests that, to the extent necessary, the Part 25 waivers originally granted to the Intelsat 706 spacecraft continue to apply at the 157.0° E.L. location, namely, the waivers of Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(i) and 25.211(a) of the Commission's rules.⁸

IV. ORBITAL DEBRIS STATEMENT

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Except briefly while collocated with Intelsat 701, Intelsat 706 will not be located at the same orbital location as

⁷ See *Policy Branch Information; Actions Taken*, Report No. SAT-00890, File No. SAT-STA-20120809-00126 (Aug. 17, 2012) (Public Notice).

⁸ See *Applications of Intelsat LLC for Authority to Operate and Further Construct, Launch, and Operate C-Band and Ku-Band Satellites that Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, 15529 (Appendix C) (2000) (Memorandum Opinion and Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000) (Order on Reconsideration).

another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. Further, Intelsat is not aware of any other FCC-licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 706 at 157.0° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 706 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing toward launch. Intelsat previously was granted de-orbit authority, which will be adhered to at the 157.0° E.L. location.⁹

V. INTELSAT ACCEPTS SECTION 316 PETITION CONDITIONS

Intelsat understands and accepts that its license to operate Intelsat 706 at 157.0° E.L., with the exception of the 12.5-12.75 GHz band frequencies, will be conditioned as follows:

(a) Intelsat shall remain a signatory to the Public Services Agreement between Intelsat and the International Telecommunications Satellite Organization (“ITSO”) that was approved by the ITSO Twenty-fifth Assembly of Parties, as amended.

(b) No entity shall be considered a successor-in-interest to Intelsat under the ITSO Agreement for licensing purposes unless it has undertaken to perform the obligations of the Public Services Agreement approved by the Twenty-fifth Assembly of Parties, as amended.¹⁰

VI. 10950-11200 MHZ, 11450-11700 MHZ AND 12500-12750 MHZ FREQUENCY BANDS

Intelsat understands that operations in the 10950-11200 MHz, 11450-11700 MHz and 12500-12750 MHz frequency bands are subject to certain limitations and obligations, which Intelsat accepts and will fulfill. Specifically, for operations in the 10950-11200 MHz and 11450-11700 MHz frequency bands, Intelsat accepts the following conditions:

⁹ See *Policy Branch Information; Actions Taken*, Report No. SAT-00768, File No. SAT-MOD-20100511-00098 (Mar. 25, 2011) (Public Notice).

¹⁰ See *Petition of the Int’l. Telecomms. Satellite Org. under Section 316 of the Commc’ns Act, as amended, IB 06-137, File No. SAT-MS-20060710-00076*, Order of Modification, 23 FCC Rcd 2764, 2769-71 (¶¶11-13) (Int’l Bur. 2008).

- Intelsat's use of the 10950-11200 MHz (space-to-Earth) and 11450-11700 MHz band (space-to-Earth) is subject to 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.
- Intelsat's operation of the Intelsat 706 space station in the 10950-11200 MHz and 11450-11700 MHz band is limited to international operations in accordance with footnote NG 104 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).

For operations in the 12500-12750 MHz frequency band, Intelsat accepts the following condition:

- Use of the 12500-12750 MHz frequency band is not permitted for fixed-satellite service in the space-to-Earth direction in Region 2.

VII. CONCLUSION

For the reasons set forth above, Intelsat respectfully requests that the Commission grant this modification application.

Respectfully submitted,

Intelsat License LLC

By: /s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Jennifer D. Hindin
Colleen King
WILEY REIN LLP
1776 K Street, N.W.
Washington, D.C. 20006
(202) 719-7000

October 26, 2012

Exhibit A

FCC Form 312, Response to Question 34: Foreign Ownership

The Commission previously approved foreign ownership in Intelsat License LLC (“Intelsat”), in the *Intelsat-Serafina Order*.¹ In December 2009 and October 2011, the Commission also approved *pro forma* changes in Intelsat’s foreign ownership.² There have been no other material changes to Intelsat’s foreign ownership since the date of the *Intelsat-Serafina Order*.

¹ *Intelsat Holdings, Ltd. and Serafina Holdings Limited, Consolidated Application for Consent to Transfer of Control of Holders of Title II and Title III Authorizations*, Memorandum Opinion and Order, 22 FCC Rcd 22,151 (2007).

² *See Intelsat North America LLC, Intelsat LLC, PanAmSat Licensee Corp., PanAmSat H-2 Licensee Corp., and Intelsat New Dawn Company, Ltd., Applications for Pro Forma Transfer of Control*, File Nos. SAT-T/C-20091125-00128, SAT-T/C-20091125-00124, SAT-T/C-20091125-00127, SAT-T/C-20091125-00125, SAT-T/C-20091125-00126, SES-T/C-20091125-01505, SES-T/C-20091125-01502, SES-T/C-20091125-01506, SES-T/C-20091125-01504 and SES-T/C-20091125-01503 (granted Dec. 3, 2009); *Intelsat Application for Pro Forma Transfer of Control*, File Nos. SAT-T/C-20110810-00160, SAT-T/C-20110811-00161, SES-T/C-20110811-00948, SES-T/C-20110812-00963 (granted Oct. 13, 2011), and 0004825139 (granted Oct. 19, 2011).

Exhibit B

FCC Form 312, Response to Question 36: Cancelled Authorizations

Intelsat License LLC (“Intelsat”) has never had an FCC license “revoked.” However, on June 26, 2000, the International Bureau “cancelled” two Ka-band satellite authorizations issued to a former Intelsat entity, PanAmSat Licensee Corp. (“PanAmSat”),³ based on the Bureau’s finding that PanAmSat had not satisfied applicable construction milestones.⁴ In that same order, the Bureau denied related applications to modify the cancelled authorizations. PanAmSat filed an application for review of the Bureau’s decision, which the Commission denied, and subsequently filed an appeal with the United States Court of Appeals for the District of Columbia Circuit, which was dismissed in January 2003 at PanAmSat’s request. Notwithstanding the fact that the Bureau’s action does not seem to be the kind of revocation action contemplated by question 36, Intelsat is herein making note of the decision in the interest of absolute candor and out of an abundance of caution. In any event, the Bureau’s action with respect to PanAmSat does not reflect on Intelsat’s basic qualifications, which are well-established and a matter of public record.

³ All licenses previously held by PanAmSat Licensee Corp. have been assigned to Intelsat License LLC. See IBFS File Nos. SAT-ASG-20101203-00252 (granted Dec. 23, 2010), SES-ASG-20101203-0150 (granted Dec. 20, 2010), and SES-ASG-20101206-01502 (granted Dec. 20, 2010).

⁴ See *PanAmSat Licensee Corp.*, Memorandum Opinion and Order, 15 FCC Rcd 18720 (IB 2000).

Exhibit C
FCC Form 312, Response to Question 40:
Officers, Directors, and Ten Percent or Greater Shareholders

The officers and directors/managers of Intelsat License LLC are as follows:

Officers:

Michael McDonnell, Chairman
Flavien Bachabi, Deputy Chairman
Phillip Spector, Secretary
Simon Van De Weg, Director, Finance

Board of Managers:

Michael McDonnell
Flavien Bachabi
Phillip Spector

The business address of all Intelsat License LLC officers and members of the Board of Managers is:

4 rue Albert Borschette
L-1246 Luxembourg

Intelsat License LLC is a Delaware limited liability company that is wholly owned by Intelsat License Holdings LLC, also a Delaware limited liability company. Intelsat License Holdings LLC is wholly owned by Intelsat Jackson Holdings S.A., a Luxembourg company. Intelsat Jackson Holdings S.A. is wholly owned by Intelsat (Luxembourg) S.A., a Luxembourg company. Intelsat (Luxembourg) S.A. is wholly owned by Intelsat S.A., a Luxembourg company. Intelsat S.A. is wholly owned by Intelsat Holdings S.A., a Luxembourg company. Intelsat Holdings S.A. is wholly owned by Intelsat Investment Holdings S.à r.l., a Luxembourg company. Intelsat Investment Holdings S.à r.l. is wholly owned by Intelsat Global Holdings S.A., a Luxembourg company. Each of these entities may be contacted at the following address: 4 rue Albert Borschette, L-1246 Luxembourg.

Intelsat Global Holding S.A.'s ownership was approved by the Commission as part of the *Intelsat-Serafina Order* and the recent Intelsat Pro Forma and is incorporated by reference. See *Intelsat Holdings, Ltd. and Serafina Holdings Limited, Consolidated Application for Consent to Transfer of Control of Holders of Title II and Title III Authorizations*, Memorandum Opinion and Order, 22 FCC Rcd 22,151 (2007) (“*Intelsat-Serafina Order*”); *Intelsat Application for Pro Forma Transfer of Control*, File Nos. SAT-T/C-20110810-00160, SAT-T/C-20110811-00161, SES-T/C-20110811-00948, SES-T/C-20110812-00963 (granted Oct. 13, 2011), and 0004825139 (granted Oct. 19, 2011) (“*Intelsat Pro Forma*”). On May 16, 2012, the International Bureau granted an application to transfer control of Intelsat pursuant to a public offering of newly issued voting shares by Intelsat, subsequent voting share sales by current shareholders and possible private placements of newly issued voting shares. *In the Matter of Intelsat Global Holdings, S.A., Applications to Transfer Control of Intelsat Licenses and Authorizations from BC Partners Holdings Limited to Public Ownership*, Order, DA 12-768 (rel. May 16, 2012). This transaction has not yet been consummated.