

Before the
Federal Communications Commission
Washington, DC 20554

In the Matter of

Intelsat License LLC

Application to Modify Authorization for
Intelsat 709 (S2396)

File No. SAT-MOD- _____

**APPLICATION OF INTELSAT LICENSE LLC
TO MODIFY AUTHORIZATION FOR INTELSAT 709**

Intelsat License LLC (f/k/a Intelsat North America 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 709 (S2396) satellite. Specifically, this modification seeks permanent authority to relocate Intelsat 709 to, and to operate the satellite at, 72.10° E.L. in order to provide station-kept service continuity at that location.

In accordance with the requirements of the Commission’s rules,¹ 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.²

¹ 47 C.F.R. § 25.117(c).

² 47 C.F.R. § 25.114. Due to technical difficulties, Intelsat was unable to include three .gxt files in the Schedule S. These files have been uploaded as an attachment to the FCC Form 312.

I. PROPOSED MODIFICATION

By this modification, Intelsat requests authority to relocate Intelsat 709 to, and operate the satellite at, 72.10° E.L. Intelsat 709 is currently licensed to operate at 54.85° E.L. pursuant to the filings of the Indian Administration.³ Intelsat has recently filed an application to relocate the Intelsat 702 satellite to 54.85° E.L.⁴ Upon transfer of Intelsat 709 traffic to other satellites and receipt of Commission approval, Intelsat intends to commence relocating Intelsat 709 to 72.10° E.L. in mid-May 2011 and begin operating the satellite at that location in early July 2011.⁵ During the drift of Intelsat 709 from 54.85° E.L. to 72.10° E.L., Intelsat will utilize only the satellite's TT&C frequencies. The specific TT&C frequencies are as follows:

Uplink:

6173.7 MHz (LHCP)
6176.3 MHz (LHCP)

Downlink:

3947.5 MHz (RHCP)
3948.0 MHz (RHCP)
3952.5 MHz (RHCP)
3952.0 MHz (RHCP)

Once located at 72.10° E.L., Intelsat will operate the satellite's communications frequencies, as follows:

Downlink:

3700-4200 MHz
10950-11200 MHz

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00759, File Nos. SAT-MOD-20091106-00117 and SAT-AMD-20100104-00003 (Feb. 18, 2011) (Public Notice).

⁴ See *Intelsat License LLC Request for Special Temporary Authority for Intelsat 702*, File No. SAT-STA-20110307-00051 (filed Mar. 7, 2011).

⁵ Intelsat has a pending STA request seeking authorization for this redeployment. See *Intelsat License LLC Request for Special Temporary Authority for Intelsat 709*, File No. SAT-STA-20110316-00055 (filed Mar. 16, 2011).

11450-11700 MHz
12500-12750 MHz

Uplink:

5925-6425 MHz
14000-14500 MHz⁶

II. PUBLIC INTEREST SHOWING

Grant of this modification application will serve the public interest by enabling Intelsat to provide continuity of service to customers requiring station-kept capacity at 72.10° E.L. Intelsat 706, which currently operates at the 72.10° E.L. location,⁷ must be placed in inclined orbit sooner than originally expected. Intelsat expects to have a new satellite – Intelsat 22 – launched to 72.10° E.L. in the first or second quarter of 2012. Until then, Intelsat 709 is needed at 72.10° E.L. to accommodate customers requiring station-kept capacity.

Grant of this modification application will not result in 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 on-station at 72.10° E.L., Intelsat will operate the communications payload and TT&C frequencies in conformance with its coordination agreements regarding the nominal 72.0° E.L. orbital location and the FCC's rules governing operations vis-à-vis adjacent locations.

⁶ The frequency band 11700-11950 MHz is also on Intelsat 709, but will not be utilized at 72.10° E.L.

⁷ See *Policy Branch Information; Actions Taken*, Report No. SAT-00763, File No. SAT-STA-20110222-00031 (Mar. 4, 2011) (Public Notice).

III. WAIVERS

As described in the attached Engineering Statement, Intelsat also requests that, to the extent necessary, the Part 25 waivers originally granted to the Intelsat 709 spacecraft continue to apply at the 72.10° 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 for Intelsat 706, Intelsat 709 will not be located at the same orbital location as another satellite or an orbital location that has an overlapping station-keeping volume with another satellite.⁹ 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 709. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 709 that is the subject of an ITU filing and that is either in orbit or progressing toward launch.

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).

⁹ Intelsat 709 and Intelsat 706 will be operated in the same station-keeping box.

V. **10.95-11.20 GHZ, 11.45-11.70 GHZ, AND 12.50-12.75 GHZ FREQUENCY BANDS**

Intelsat understands that operations in the 10.95-11.20 GHz, 11.45-11.70 and 12.50-12.75 GHz frequency bands are subject to certain limitations and obligations, which Intelsat accepts and will fulfill. Specifically, for operations in the 10.95-11.20 GHz frequency band, Intelsat accepts the following conditions:

Operations in the 10.95-11.2 GHz frequency band 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.

Operations in the 10.95-11.2 GHz frequency band are 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 11.45-11.70 GHz frequency bands, Intelsat accepts the following conditions:

Intelsat's use of the 11450-11700 MHz band (Earth-to-space) 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.

The operation of the Intelsat 709 space station in the 11450-11700 MHz band (Earth-to-space) 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 12.50-12.75 GHz frequency bands, Intelsat accepts the following condition:

Use of the 12.5-12.75 GHz frequency band is not permitted for fixed-satellite service in the space-to-Earth direction in Region 2.

V. **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

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April 28, 2011

Exhibit A
FCC Form 312, Response to Question 34: Foreign Ownership

The Commission previously approved foreign ownership in Intelsat License LLC (“Intelsat”) (f/k/a Intelsat North America LLC), in the *Intelsat-Serafina Order*.¹⁰ In December 2009, the Commission also approved the *pro forma* changes in Intelsat’s foreign ownership.¹¹ There have been no other material changes to Intelsat’s foreign ownership since the date of the *Intelsat-Serafina Order*.

¹⁰ *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).

¹¹ *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).

Exhibit B
FCC Form 312, Response to Question 36: Cancelled Authorizations

Intelsat License LLC (“Intelsat”) (f/k/a Intelsat North America LLC), has never had an FCC license “revoked.” However, on June 26, 2000, the International Bureau “cancelled” two Ka-band satellite authorizations issued to Intelsat’s former affiliate, PanAmSat Licensee Corp. (“PanAmSat”),¹² based on the Bureau’s finding that PanAmSat had not satisfied applicable construction milestones.¹³ 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.

¹² 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).

¹³ 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 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 wholly owned subsidiary of Intelsat License Holdings LLC, a Delaware limited liability company. Intelsat License Holdings LLC is wholly owned by Intelsat Subsidiary Holding Company S.A., a Luxembourg company. Intelsat Subsidiary Holding Company S.A. is wholly owned by Intelsat Phoenix Holdings S.A., a Luxembourg company. Intelsat Phoenix Holdings S.A. is wholly owned by Intelsat Intermediate Holding Company S.A., a Luxembourg company. Intelsat Intermediate Holding Company S.A. 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 Global Subsidiary S.A., a Luxembourg company. Intelsat Global Subsidiary S.A. is wholly owned by Intelsat Global S.A., a Luxembourg company (“Intelsat Global”, formerly “Serafina Holdings Limited”). Each of these entities may be contacted at the following address: 4 rue Albert Borschette, L-1246 Luxembourg.

Intelsat Global’s ownership was approved by the Commission in the *Intelsat-Serafina Order*, has not changed materially 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*”).