

Before the  
**FEDERAL COMMUNICATIONS COMMISSION RECEIVED - FCC**  
Washington, D.C. 20554

NOV 27 2002

Federal Communication Commission  
Bureau / Office

In the Matter of:

**INTELSAT LLC**

Amendment to Application to Modify  
Authorization to Operate, and to Further  
Construct, Launch, and Operate C-band  
and Ku-band Satellites that Form a Global  
Communications System in Geostationary  
Orbit

File Nos. SAT-A/O-20000119-00002;  
SAT-AMD- 20000119-00029; SAT-  
MOD-20020923-00177

**Amendment to Application of Intelsat LLC  
To Modify Authorization**



SAT-AMD-20021127-00239  
with Attached Conditions  
Call Sign S2388 February 23, 2004  
(or other identifier)  
From February 23, 2004 February 23, 2009  
Approved: Thomas S. [Signature]

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Dated: November 26, 2002

**Attachment**  
**Call Sign S2388**  
**SAT-MOD-20020923-00177**  
**SAT-AMD-20021127-00239**  
**SAT-AMD-20031118-00331**  
**February 23, 2004**

With today's partial grant, we modify Intelsat LLC's license for the INTELSAT 702 satellite and authorize it, for a period of five years from the date of this grant, to operate in the following Ku-band frequencies, 11.45 -11.7 GHz and 14.25-14.5 GHz, and to operate its Telemetry, Tracking, Control and Monitoring functions (TTC&M) at the 54.85° E.L. orbital location subject to the following conditions:

- 1) Intelsat LLC's operations shall be on a non-harmful interference basis, i.e., Intelsat LLC shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating satellites; and
- 2) In the event that any harmful interference as a result of Intelsat LLC's operations at the 54.85° E.L. orbital location, Intelsat LLC shall cease operations immediately upon notification of such interference and shall inform the FCC in writing immediately of such an event; and
- 3) Intelsat LLC shall inform its customers that operations at the 54.85° E.L. orbital location are on a non-harmful interference basis and that Intelsat LLC must cease operations upon notification of such interference; and
- 4) Intelsat LLC shall maintain full operational control of the INTELSAT 702 satellite at all times; and
- 5) This authorization is issued on the understanding that Intelsat LLC, pursuant to its agreement with the Indian Space Research Organization (ISRO) will conform its operations to parameters agreed to in coordination agreements between the Administration of India and other Administrations. As the United States remains the licensing authority, responsibility for both compliance with and enforcing compliance with those agreements is a matter which would arise under private law; and
- 6) This authorization is also issued on the understanding that, in regards to filings with the ITU, the Administration of India is not acting pursuant to Article 9.1 of the Radio Regulation, on behalf of the United States Administration; and

- 7) This authorization is also issued on the understanding that the Federal Communications Commission remains the licensing administration, for purposes of ITU Radio Regulation 18.1, for the INTELSAT 702 satellite, and that its operations are pursuant to ITU Radio Regulation 4.4; and
- 8) Intelsat LLC shall prepare and submit to the Federal Communications Commission, within fifteen days following grant of this authorization, the necessary materials for submission to the ITU, pursuant to Article 8.4 of the Radio Regulations, in connection with the operations of the INTELSAT 702 satellite at the 54.85° E.L. orbital location; and
- 9) This authorization is issued on the understanding that this grant is not an approval of any specific agreement entered into by Intelsat LLC, its subsidiaries, and affiliates, nor of any specific provision of any such agreement, concerning operation of the Intelsat 702 satellite, nor is it an approval of an agreement concerning any related matter, nor of any specific provision of any such agreement concerning any related matter; and
- 10) This authorization is issued on the understanding that this grant, and previous grants for testing at the 54.85° E.L. orbital location, do not in any way express a view concerning, or agreement as to, the validity or lack of validity of any ITU filing at or within the vicinity of the 54.85° E.L. orbital location; and
- 11) In connection with the provision of service in any particular country, Intelsat LLC is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country; and
- 12) Intelsat LLC is not authorized to operate in the frequency bands: 3700-4200 MHz, 5925-6425 MHz, 10.95-11.2 GHz, 11.7-11.95 GHz, 12.5-12.75 GHz and 14.0-14.25 GHz except for the INTELSAT 702 C-band TTC&M functions, until submission of additional technical information to demonstrate compatible operation with adjacent satellites and subsequent FCC authorization of such operations; and
- 13) The EIRP density in the frequency band 11.45-11.7 GHz from the INTELSAT 702 satellite shall not exceed -33.8 dBW/Hz in the downlink and the uplink power spectral density in the frequency band 14.25-14.5 GHz shall not exceed -52.6 dBW/Hz; and
- 14) In the event that an operator-to-operator arrangement is not reached between Intelsat LLC and the operator of the Express AM22 satellite, and if, the Express AM22 satellite utilizes either the emission, 30M037W or the emission 2M40G7W into antenna diameters of less than 1.2 meters

within a beam which overlaps the coverage area of the INTELSAT 702 satellite beam, in the 11.45 – 11.7 GHz frequency band, then Intelsat shall lower the EIRP density of its carrier to -38.8 dBW/Hz in the downlink; and

- 15) Intelsat LLC shall either establish sufficient contact with the operator of the Express AM22 satellite to ascertain the times, frequencies and types of emissions to be used for the Express AM22's operations, or establish a monitoring function to determine such; and
- 16) Intelsat LLC is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned; and
- 17) This Grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261 and is effective February 23, 2004. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.