



S2750 SAT-STA-20190128-00002 IB2019000055
Intelsat License LLC
Intelsat 16

January 28, 2019

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



*with conditions

File # SAT-STA-20190128-00002

Call Sign S2750 Grant Date 01/31/19

(or other identifier)

Term Dates period of
From 01/17/19 To: 30 days

Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Re: Request for Extension of Special Temporary Authority to Operate Intelsat 16 at 76.2° W.L. with New Beam Coverage; Call Sign: S2750

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to temporarily operate Intelsat 16’s (S2750) Ku-band beam over a new coverage area in the communications frequencies 14000-14500 MHz and 11700-12200 MHz in order to conduct a customer test.² The customer test is expected to take approximately 3-6 months and a coverage map of the new beam coverage is enclosed as Exhibit A. Intelsat has also filed a 180-day STA for this testing.³

Intelsat 16 is permanently licensed to operate at 76.2° W.L. with a different beam coverage than the beam coverage proposed herein.⁴ The satellite’s Ku-band beam has been biased in order to achieve

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System. This extension request is timely filed per the Federal Communications Commission’s Public Notice. *Impact of Potential Lapse in Funding on Commission Operations*, DA 19-10, p. 4 (Jan. 2, 2019) (Public Notice).

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01365, File No. SAT-STA-20181127-00085 (Dec. 14, 2018) (Public Notice).

³ See *Satellite Policy Branch Information; Space Station Applications Accepted for Filing*, File No. SAT-STA-20181127-00086 (Dec. 14, 2018) (Public Notice).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-01334, File No. SAT-MOD-20180424-00029 (July 27, 2018) (Public Notice).

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the new coverage. Intelsat's operation of Intelsat 16 will continue to conform to existing coordination agreements and the FCC's rules governing operations vis-à-vis adjacent locations.

The temporary operation of Intelsat 16's Ku-band beam with a different coverage than authorized by its current license will help test a customer's service. Accordingly, grant of this STA extension request is in the public interest.

Sincerely,

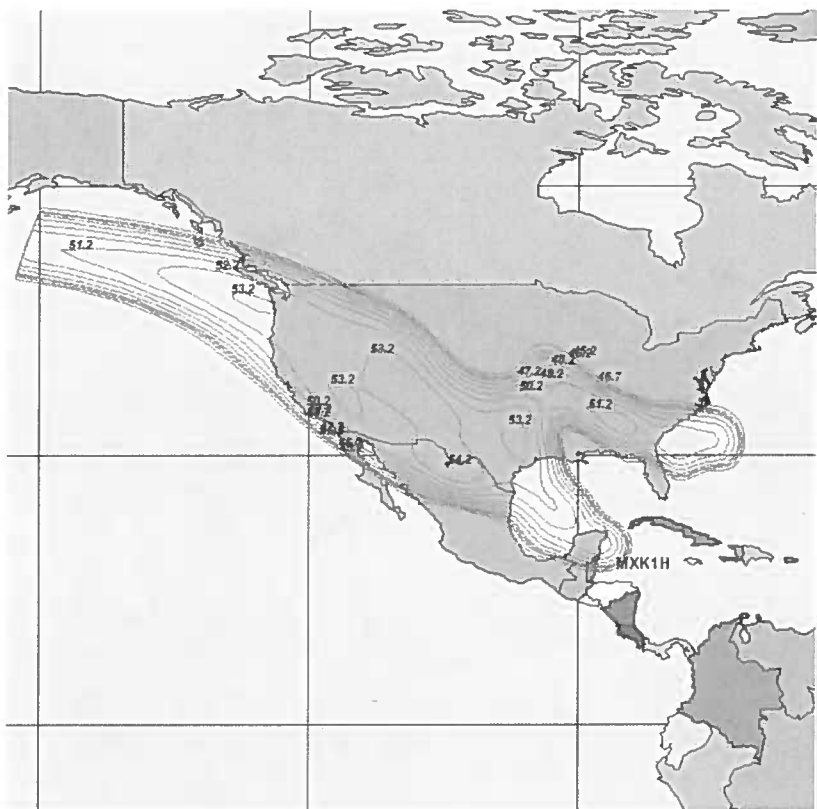
/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

Attachment

Cc: Stephen Duall
Jay Whaley
Cindy Spiers

Exhibit A: Intelsat 16 Proposed Beam Coverage




Intelsat 16 @ 283.8°E
 Ku-Band Mexico H1
 Transmit Coverage

Beam Pointing: 1.67°E 2.00°N
 Rotation Angle: 9.00°CW

Contours	EIRP (dBW)
Beam Peak (0.0)	54.2
-1.0	52.2
-2.0	52.2
-3.0	51.2
-4.0	50.2
-5.0	49.2
-6.0	48.2
-7.0	47.2
-7.5	46.7
-8.0	46.2
-9.0	45.2


Beam Edge EIRP values from IESS-610 Rev 85.
 Nominal Beam Peak EIRP and contour values
 (dB from S.E.) derived from ACP 202 Rev 6.10.

ATTACHMENT TO GRANT
Intelsat License LLC
IBFS File No. SAT-STA-20190128-00002

IBFS File No(s):	SAT-STA-20190128-00002	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat License LLC	
Call Sign:	S2750	
Satellite Name:	Intelsat 16	
Orbital Location: (required station-keeping tolerance)	76.2° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	Telemetry, Tracking and Command (TT&C); Fixed Satellite Service (FSS)	
Scope of Grant:	Extension of previously granted special temporary authority for a period of 30 days to operate Ku-band beam over a new coverage area.	
Service Area(s):	See Exhibit A.	
Frequencies:	11.7–12.2 GHz (space-to-Earth) 14.0–14.5 GHz (Earth-to-space) ¹ TT&C Center Frequencies: 13997.5 MHz and 14499.5 MHz (Earth-to-space) 12198.25 MHz and 12198.75 MHz (space-to-Earth)	
<p>Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission’s rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Intelsat 16 space station must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat must cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event. 2. Intelsat must coordinate its operations so that no harmful interference is caused to any other lawfully operating satellites or radiocommunication systems. Intelsat shall cease operations immediately upon notification of such interference and inform the Commission in writing immediately of such an event. 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. While at the 76.2° W.L. orbital location, Intelsat must maintain the Intelsat 16 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees. 		
<p>Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.</p> <p>This action is taken pursuant to Section 0.261 of the Commission’s rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.</p> <p>Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).</p>		

¹ Although Intelsat 16 is also capable of operating in the 10.7-11.45 GHz, 12.75-13.25 GHz, and 13.75-14.00 GHz frequency bands, Intelsat did not seek, and is not granted, authority to operate in these bands under this grant of STA, except for the 13997.5 MHz frequency used for uplink TT&C.

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Action Date:	January 31, 2019	
Term Dates	From: January 17, 2019	To: period of 30 days
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch	