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January 7, 2014

Stephen Duall  
Chief, Policy Branch  
Federal Communications Commission  
International Bureau, Satellite Division  
445 12th Street, SW  
Washington, DC 20554

Re: LightSquared Subsidiary LLC, Debtor-in-Possession  
File No. SAT-MOD-20131204-00143

Dear Stephen:

At the request of the International Bureau (“Bureau”), LightSquared Subsidiary LLC, Debtor-in-Possession, hereby submits additional information with respect to the above-referenced application, which seeks an extension of the license term for MSAT-2 until December 2014. For convenience, the Bureau’s questions to LightSquared are provided below in italics.<sup>1</sup>

1) *What is the estimated fuel life of the space station?*

The estimated end-of-fuel life for MSAT-2 is September 2017.

2) *What is the estimated service life of the space station?*

The estimated end-of-service life for MSAT-2 is September 2017.

3) *Is inclined orbit operation contemplated, and if so, when?*

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<sup>1</sup> See Email from Stephen Duall, FCC, to Tony Lin, Counsel for LightSquared (December 20, 2013). LightSquared notes that there is no question 5 in the Bureau’s email.

MSAT-2 has been operating in inclined orbit since 2004, as permitted by the FCC's rules.<sup>2</sup> A copy of the previously filed notice of inclined operations for MSAT-2 (also known as AMSC-1) is attached to this letter.

4) *Is movement to another orbital location contemplated?*

No, LightSquared does not currently contemplate moving MSAT-2 to another orbital location.

6) *Are there any single point failures on the spacecraft?*

No, LightSquared is aware of no single points of failure that would impact de-orbiting of MSAT-2.

7) *Are all subsystems, including the power system and solar panels, functioning normally?*

Yes, all MSAT-2 subsystems, including the power system and solar panels, are performing normally.

8) *Are there any issues with TT&C links, including backup TT&C?*

No, there are no issues with the TT&C links for MSAT-2, including the back-up TT&C links.

Please contact the undersigned if you have any questions.

Very truly yours,

/s/

Bruce D. Jacobs  
Tony Lin

Enclosure

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<sup>2</sup> See 47 C.F.R. § 25.280; Letter to Marlene H. Dortch, FCC, from Lon C. Levin, Mobile Satellite Ventures Subsidiary LLC (September 9, 2004) (providing notice of inclined orbit operations).

September 9, 2004

**Via Hand Delivery**

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

RECEIVED

SEP - 9 2004

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

**Re: Mobile Satellite Ventures Subsidiary LLC  
Section 25.280 Notification of Operation of  
AMSC-1 at 100.95°W at Inclined Orbit**

Dear Ms. Dortch:

Pursuant to Section 25.280 of the Commission's rules, Mobile Satellite Ventures Subsidiary LLC ("MSV") hereby notifies the Commission that it has commenced operation of its geostationary Mobile Satellite Service ("GSO MSS") satellite (AMSC-1) at 100.95°W in inclined orbit mode. 47 C.F.R. § 25.280.

*Information required by Section 25.280(a) of the Commission's Rules:*

- (1) The operator's name  
Mobile Satellite Ventures Subsidiary LLC
- (2) The date of commencement of inclined orbit operations  
September 1, 2004.
- (3) Initial inclination  
Approximately 0.05°.
- (4) The rate of change in inclination per year  
Approximately 0.9° per year.

- (5) The expected end-of-life of the satellite accounting for inclined orbit operation.

Beyond 2010.

*Information required by Section 25.280(b) of the Commission's Rules:*

(1) MSV will periodically correct the satellite attitude to achieve a stationary spacecraft antenna pattern on the surface of the Earth and centered on the satellite's designated service area. 47 C.F.R. § 25.280(b)(1).

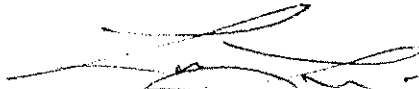
(2) MSV will control all interference to adjacent satellites, as a result of operating in an inclined orbit, to levels not to exceed that which would be caused by the satellite network operating without an inclined orbit. 47 C.F.R. § 25.280(b)(2).

(3) MSV will not claim protection in excess of the protection that would be received by the satellite network operating without an inclined orbit. 47 C.F.R. § 25.280(b)(3).

(4) MSV will continue to maintain its satellite at its authorized longitude orbital location in the GSO satellite arc with the appropriate east-west station-keeping tolerance. 47 C.F.R. § 25.280(b)(4).

Please contact the undersigned with any questions regarding this matter.

Very truly yours,



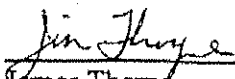
Lon C. Levin

cc: Thomas Tycz  
Karl Kensinger  
Robert Nelson

## TECHNICAL CERTIFICATION

I, James Thorpe, Senior Systems Engineer of Mobile Satellite Ventures, certify under penalty of perjury that:

I am the technically qualified person with overall responsibility for preparation of the technical information contained in the foregoing letter. The information contained in the letter is true and correct to the best of my belief.

  
\_\_\_\_\_  
James Thorpe  
Senior System Engineer

September 9, 2004