



File # SAT-STA-20210521-00070

Call Sign AMSC-1 Grant Date May 27, 2021
(or other identifier)

Approved by OMB
3060-0678

Term Dates

From May 27, 2021 To: period of 60 days

Approved: Merissa L. Velez
Merissa L. Velez
Chief, Satellite Policy Branch

Date & Time Filed: May 21 2021 5:29:35:810PM
File Number: SAT-STA-20210521-00070
Callsign:

* with conditions

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION


Enter a description of this application to identify it on the main menu:

Extension of STA granted April 19 to operate MSAT-2 at 107.5 degrees WL

1. Applicant

Name:	Ligado Networks Subsidiary LLC	Phone Number:	703-390-2795
DBA Name:		Fax Number:	703-390-6778
Street:	10802 Parkridge Blvd	E-Mail:	maqbool@ligado.com
City:	Reston	State:	VA
Country:	USA	Zipcode:	20191 -
Attention:	Mr Maqbool Aliani		

ATTACHMENT TO GRANT
Ligado Networks Subsidiary LLC
IBFS File No. SAT-STA-20210521-00070

BFS File No(s):	SAT-STA-20210521-00070	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Ligado Networks Subsidiary LLC (Ligado)	
Call Sign:	AMSC-1	
Satellite Name:	MSAT-2	
Orbital Location: (required station-keeping tolerance)	107.5° W.L. (±0.1° East-West)	
Administration:	United States of America	
Nature of Service:	Mobile-Satellite Service (MSS)	
Scope of Grant:	Special temporary authority for a period of 60 days to: (1) conduct telemetry, tracking, and command (TT&C) operations necessary to maintain the MSAT-2 space station at the 107.5° W.L. orbital location; and (2) to provide MSS from the 107.5° W.L. orbital location. ¹	
Service Area(s):	N/A	
Frequencies:	<p><u>Service Links</u> 1530-1544 MHz (space-to-Earth) 1545-1559 MHz (space-to-Earth) 1631.5-1645.5 MHz (Earth-to-space) 1646.5-1660.5 MHz (Earth-to-space)</p> <p><u>Feeder Links</u> 10.75-10.95 GHz (space-to-Earth) 13-13.15 GHz (Earth-to-space) 13.2-13.25 GHz (Earth-to-space)</p> <p><u>Telemetry, Tracking, and Command</u> 11.7005 GHz (space-to-Earth) 11.701 GHz (space-to-Earth) 14.0005 GHz (Earth-to-space) 14.4995 GHz (Earth-to-space)</p> <p><u>Beacon</u> 10.7535 GHz 10.751 GHz</p>	
<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 the Federal Communications 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 authority must be on an unprotected and non-harmful interference basis, i.e., the MSAT-2 space station must not cause harmful interference to, and Ligado must not claim protection from interference caused to it by any other lawfully operating station. In the event of any 		

¹ On April 19, 2021, the Satellite Division granted Ligado special temporary authority (STA) for 30 days to drift MSAT-2 from 106.5° W.L. to the 107.5° W.L. orbital location. Ligado Networks Subsidiary LLC, IBFS File No. SAT-STA-2021046-00046 (granted April 19, 2021). The drift of MSAT-2 to 107.5° W.L. was completed on April 29, 2021. This additional STA, for 60 days, allows Ligado maintain MSAT-2 at 107.5° W.L., pending a determination on its modification application for operations at this location. See IBFS File Nos. SAT-MOD-20210316-00034, SAT-AMD-20210412-00049, and condition 3 herein.

ATTACHMENT TO GRANT
 Ligado Networks Subsidiary LLC
 IBFS File No. SAT-STA-20210521-00070

harmful interference, Ligado must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

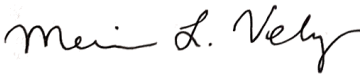
2. Ligado must operate MSAT-2 at the 107.5° W.L. orbital location in accordance with any existing or future coordination agreements for this location. In the absence of a coordination agreement, such operations must comply with applicable provisions of the ITU Radio Regulations as the Commission cannot guarantee the success of the required coordination.
3. Other than TT&C operations required for maintenance of MSAT-2 at the 107.5° W.L. orbital location, Ligado may not commence operations with MSAT-2 at the 107.5° W.L. orbital location until Ligado has received approval from Innovation, Science and Economic Development Canada (ISED) for such operations, and notified the Commission of such approval.
4. Upon receipt of a space situational awareness conjunction warning, Ligado must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, if necessary. As appropriate, steps to assess and mitigate the collision risk should include, but are not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; and modifying spacecraft attitude and/or operations.
5. Any action taken or expense incurred as a result of this special temporary authority is solely at Ligado's own risk.
6. This action is taken without prejudice to any action the Commission may take regarding IBFS File No. SAT-MOD-20210316-00034, as amended by IBFS File No. SAT-AMD-20210412-00049.
7. Action on this application is without prejudice to possible enforcement action in connection with operations of the MSAT-2 satellite at 107.5° W.L. prior to this grant.
8. The operations of MSAT-2 at the 107.5° W.L. orbital location must otherwise comply with the terms and conditions imposed in prior authorizations for MSAT-2. *See, e.g.*, IBFS File No. SAT-MOD-20180912-00070 (granted Nov. 25, 2018), and SAT-MOD-20201201-00138 (granted Feb. 17, 2021).

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. This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

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).

Action Date:	May 27, 2021	
Term Dates	From: May 27, 2021	To: period of 60 days

Approved:



Merissa L. Velez
 Chief, Satellite Policy Branch

2. Contact

Name:	Jeffrey Carlisle	Phone Number:	202-253-6838
Company:	Lerman Senter PLLC	Fax Number:	202-293-7783
Street:	2001 L Street, NW Suite 400	E-Mail:	jcarlisle@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:		Relationship:	Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SATSTA2021040600046 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date
2021-07-18 00:00:00.0

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Pursuant to Section 25.120 of the Commission's rules, Ligado Networks Subsidiary LLC requests an extension of an STA granted Apr 19, 2021 to operate MSAT-2 (AMSC-1) at 107.5 degrees WL during consideration of its application to modify MSAT-2's satellite license.

9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes No

10. Name of Person Signing
Maqbool Aliani

11. Title of Person Signing
Chief Technology Officer

12. Please supply any need attachments.

Attachment 1: MSAT-2 STA Extension

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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