



File # SAT-STA-20210406-00046

Call Sign AMSc-1 Grant Date 04/19/2021

(or other identifier)

Term Dates

From 04/19/2021 To: period of 30 days

Approved by OMB
3060-0678

Date & Time Filed: Apr 6 2021 9:35:44:496PM
File Number: SAT-STA-20210406-00046
Callsign:

*with conditions

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

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:
STA for relocation of MSAT-2

1. Applicant

Name:	Ligado Networks Subsidiary LLC	Phone Number:	703-390-2795
DBA Name:		Fax Number:	703-390-6113
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-20210406-00046

IBFS File No(s):	SAT-STA-20210406-00046	<p>G R A N T E D – 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 30 days to: (1) conduct telemetry, tracking, and command (TT&C) operations necessary to drift the MSAT-2 space station from the 106.5° W.L. orbital location to the 107.5° W.L. orbital location and to maintain MSAT-2 at 107.5° W.L.; 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>	

¹ Ligado initially requested a 90-day STA to drift MSAT-2 from the 106.5° W.L. orbital location to, and operate from, 107.5° W.L., pending the Commission’s approval of a license modification for such operations. *See* IBFS File Nos. SAT-MOD-20210316-00034 and SAT-AMD-20210413-00049. Ligado subsequently revised its request to a 30-day STA. *See* Letter to Marlene H. Dortch, Secretary, FCC from Jeffrey Carlisle, Counsel to Ligado Networks Subsidiary LLC (April 8, 2021). Ligado received approval on April 16, 2021 from Innovation, Science and Economic Development Canada (ISED) to commence drifting MSAT-2 to the 107.5° W.L. orbital location. *See* Letter to Beth Cleary, Ligado Networks (Canada) Inc. from Dany Jacob-David, A/Director, Space Services- Authorization, ISED (April 16, 2021), in IBFS File No. SAT-STA-20210406-00046.

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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:

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 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. Ligado must coordinate the operations of MSAT-2 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during the drift to the 107.5° W.L. orbital location or maintenance of the space station at that location.
4. Ligado must operate only TT&C with MSAT-2 during the space station's drift from 106.5° W.L. to 107.5° W.L.
5. 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.
6. 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.
7. Any action taken or expense incurred as a result of this special temporary authority is solely at Ligado's own risk.
8. 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.
9. The operations of MSAT-2 at the 107.5° W.L. orbital location must otherwise comply with the conditions imposed in prior authorizations. *See, e.g.*, IBFS File No. SAT-MOD-20180912-00070 (granted Nov. 25, 2018), and SAT-MOD-20201201-00138 (granted Feb. 17, 2021).

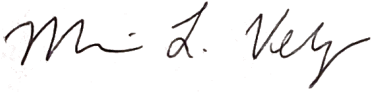
Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

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).
Space station licenses are subject to conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	April 19, 2021
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IBFS File No. SAT-STA-20210406-00046

Term Dates	From: April 19, 2021	To: period of 30 days
Approved:  Merissa L. Velez Chief, Satellite Policy Branch		

2. Contact	
Name:	Jeffrey Carlisle
Company:	Lerman Senter PLLC
Street:	2001 L Street, NW Suite 400
City:	Washington
Country:	USA
Attention:	
Phone Number:	202-253-6838
Fax Number:	202-293-7783
E-Mail:	jcarlisle@lermansenter.com
State:	DC
Zipcode:	20036 -
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 SATMOD2021031600034 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CRY – Space Station (Geostationary)	
5. Type Request	
<input checked="" type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location Not applicable	7. Requested Extended Expiration Date 2021-07-15 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 hereby requests Special Temporary Authority to relocate MSAT-2 (AMSC-1) from 106.5 degrees WL to 107.5 degrees WL.

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 Narrative

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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