

Government of India
Ministry of Communications
Department of Telecom
Sanchar Bhawan, 20, Ashoka Road, New Delhi - 110001
(Access Services Cell)

No. 20-271/2010 AS-I (Vol.-III)

Dated: 23.09.2021

To

All UL(VNO) Licensees

Subject: Amendment in UL(VNO) License agreement on provision of Cellular Backhaul Connectivity-reg.

In pursuance of Condition 5.1 of Chapter-I, the LICENSOR reserves the right to modify at any time the terms and conditions of the LICENCE, if in the opinion of the LICENSOR it is necessary or expedient to do so in public interest or in the interest of the security of the State or for the proper conduct of the telegraphs. The LICENSOR hereby amends/appends the following in UL (VNO) agreement:

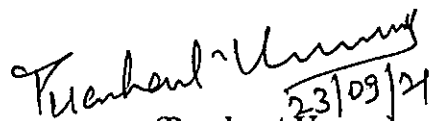
S.No.	Existing clause	Amended clause
1	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>2. Scope of VSAT CUG Service: Scope of this Authorization covers the following:</p> <p>2.1 (i) The scope of service is to provide data connectivity between various sites scattered within territorial boundary of India using VSATs using Hub station of NSO. The users of the service should belong to a Closed User Group (CUG). However, the VSAT NSO after obtaining ISP license may use same Hub station and VSAT (remote station) to provide Internet service directly to the subscribers, and in this case VSAT (remote station) may be used as a distribution point to provide Internet service to multiple independent subscribers.</p>	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>2. Scope of VSAT CUG Service: Scope of this Authorization is to provide the following:</p> <p>2.1 (i):</p> <p>(a) Data connectivity between various sites scattered within territorial boundary of India using VSATs using Hub station of NSO. The users of the service should belong to a Closed User Group (CUG).</p> <p>(b) VSAT VNO after obtaining ISP license may use same Hub station and VSAT (remote station) to provide Internet service directly to the subscribers, and in this case VSAT (remote station) may be used as a distribution point to provide Internet service to multiple independent subscribers.</p> <p>(c) Backhaul connectivity for cellular mobile services through satellite using VSAT to the Access Service providers.</p> <p>(d) Backhaul connectivity using VSAT</p>

	<p>(ii) Long distance carriage rights, granted for NLD, ILD and Access service, are not covered under the scope of this service.</p> <p>(iii) The Closed User Group Domestic Data Network via INSAT Satellite System using VSAT shall be restricted to geographical boundaries of India.</p> <p>(iv) The NSO can set up a number of CUGs using the shared hub infrastructure of the NSO.</p> <p>(v) PSTN/PLMN connectivity is not permitted.</p> <p>(vi) Data Rate, as specified in TEC Interface Requirements No. TEC-IR/SCB-08/-OCT. 2013 is allowed, subject to the compliance of the Technical parameters as specified in TEC Interface Requirements No. TEC-IR/SCB-08/-OCT. 2013, as modified from time to time.</p>	<p>to Access Service Providers for establishing Wi-Fi hotspots.</p> <p>(e) The VSAT terminal of the Commercial VSAT CUG Service provider, which is used to provide cellular mobile backhaul link or Wi-Fi hotspot backhaul link, is to be located in the service area of the Access service provider, where the backhaul link is used. However, the VSAT hub of NSO can be located anywhere in the country. The link from the hub station to the respective network element of the cellular mobile network can be provided through the terrestrial connectivity obtained from an authorized service provider.</p> <p>(ii) Long distance carriage rights, granted for NLD, ILD and Access service, are not covered under the scope of this service except the backhaul connectivity mentioned in para 2.1(i) (c) & (d) above.</p> <p>(iii) The Closed User Group Domestic Data Network via INSAT Satellite System using VSAT shall be restricted to geographical boundaries of India.</p> <p>(iv) The VNO can set up a number of CUGs using the shared hub infrastructure of the NSO.</p> <p>(v) PSTN/PLMN connectivity is not permitted except the backhaul connectivity mentioned in para 2.1(i) (c) & (d) above.</p> <p>(vi) stands deleted</p>
2	PART-II, CHAPTER-X NATIONAL LONG DISTANCE SERVICE	PART-II, CHAPTER-X NATIONAL LONG DISTANCE SERVICE

	<new clause>	<p>5. TECHNICAL CONDITIONS</p> <p>5.1 A Licensee having license/authorizations for both Commercial VSAT CUG Service and NLD Service is permitted to share VSAT Hub for the purpose of providing authorized services.</p>
3	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>4. TECHNICAL CONDITIONS</p> <p>4.3 The HUB Station shall be operated and maintained by the NSO subject to the following conditions:-</p> <p>i) The Hub station as well as all the VSATs shall be within the geographical boundary of India.</p> <p>ii) The VSAT at the premises of customer/ users should have a logo prominently displayed indicating the name of NSO.</p>	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>4. TECHNICAL CONDITIONS</p> <p>4.3 The HUB Station shall be operated and maintained by the NSO subject to the following conditions:-</p> <p>i) The Hub station as well as all the VSATs shall be within the geographical boundary of India.</p> <p>ii) The VSAT at the premises of customer/ users should have a logo prominently displayed indicating the name of NSO.</p> <p>iii) A Licensee having license/authorizations for both Commercial VSAT CUG Service and NLD Service is permitted to share VSAT Hub for the purpose of providing authorized services.</p>
4	<p>PART-I, CHAPTER-V, OPERATING CONDITIONS</p> <p>32. Sharing of infrastructure:</p> <p>32.1 The terms and conditions of sharing of infrastructure between the NSO(s) and VNO shall be left to the market i.e. on the basis of mutually accepted terms and conditions between the NSO(s) and the VNO.</p> <p>32.2 Sharing of Active infrastructure amongst Service Providers based on the mutual agreements entered amongst them is permitted. Active infrastructure sharing will be limited to antenna, feeder cable, Node B, Radio Access Network (RAN) and transmission system only.</p>	<p>PART-I, CHAPTER-V, OPERATING CONDITIONS</p> <p>32. Sharing of infrastructure:</p> <p>32.1 The terms and conditions of sharing of infrastructure between the NSO(s) and VNO shall be left to the market i.e. on the basis of mutually accepted terms and conditions between the NSO(s) and the VNO.</p> <p>32.2 Sharing of Active infrastructure amongst Service Providers based on the mutual agreements entered amongst them is permitted. Active infrastructure sharing will be limited to antenna, feeder cable, Node B, Radio Access Network (RAN) and transmission system only.</p> <p>32.3 The Licensee may share its own active and passive infrastructure for</p>

		<p>providing other services authorized to it under any other telecom license issued by Licensor.</p> <p>32.4 An authorized Gateway hub operated by the satellite provider itself is permitted to be shared with the satellite bandwidth seeker.</p>
5	<p>PART-I, CHAPTER-IV TECHNICAL CONDITIONS 27. <u>Interface:</u> 27.3 In case of Satellite based services, the technical parameters & data rates mentioned in Interface Requirements for Satellite Communications namely No. TEC-IR/SCB-08/02-SEP. 2009 issued by TEC are to be strictly compiled with. Any notification or modification issued by TEC from time to time in this regard shall be binding.</p>	<p>PART-I, CHAPTER-IV TECHNICAL CONDITIONS 27. <u>Interface:</u> 27.3 The technical parameters mentioned in the relevant Interface Requirement for VSAT Network(s) issued by TEC, as modified from time to time, are to be complied with.</p>
6	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE 4. <u>Technical Conditions:</u> 4.1 <u>Technical Parameters and data rates:-</u> For providing the VSAT services, the NSO shall install equipment complying to the technical parameters and Data rates mentioned in Interface Requirements for CUG domestic VSAT networks namely No. TEC-IR/SCB-08/-OCT.2013 issued by TEC as modified from time to time.</p>	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE 4. <u>Technical Conditions:</u> 4.1 <u>Technical Parameters:-</u> For providing the VSAT services, the VNO shall install equipment complying to the technical parameters mentioned in the relevant Interface Requirement for VSAT Network(s) issued by TEC, as modified from time to time.</p>

2. This amendment shall be part and parcel of the UL(VNO) Agreement and all others Terms & Conditions shall remain unchanged.


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Copy To:

- (1) Secretary, TRAI
- (2) DGT, DOT(HQ)
- (3) Advisor(Economics)/ Wireless Advisor /Sr DDG (TEC)
- (4) DDG(CS)/ DDG(DS)/ DDG (Satellite)/ DDG (LFP) /DDG(LFA)/ DDG(SPPI) /DDG (SA)/ DDG (WPF)/ DDG(A/C)
- (5) All Director of AS Wing
- (6) Director (IT) may kindly arrange to upload this letter on the website of DoT.