

No. 20-573/2017 AS-I
Government of India
Ministry of Communications
Department of Telecommunications
20, Ashoka Road, New Delhi - 110001

Dated 19th June, 2018

To,
All the UL (VNO) Licensees.

Subject: Amendment to the UL(VNO) License on Internet Telephony

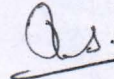
In pursuance to Condition 5.1, the Licensor hereby amends the UL(VNO) License Agreement as under:

	Existing Clause	Amended Clause
1		Chapter VIII 2.5 (ii) Internet Telephony calls originated by International out roamers from international locations shall be handed over at the International gateway of licensed ILDOs and International termination charges shall be paid to the terminating access service provider. In case the Licensee is not able to ensure that Internet Telephony call originated outside of the country is coming through ILDO gateway, International out-roaming to Internet Telephony subscribers of the access provider shall not be allowed. Further, the calls originated outside the country using internet telephony shall be routed through ILD (International Long Distance) Gateway like any other international call.
2		Chapter VIII 2.5 (iii) The mobile numbering series should be used for providing Internet Telephony by a Licensee. TSPs are allowed to allocate same number to the subscriber both for Cellular Mobile service and Internet Telephony service. The access service licensee should use private ENUM in its network for Telephone number mapping from E.164 to SIP/H.323 addresses and vice-versa.
3		Chapter VIII 2.5 (iv) The licensees should comply

		<p>with all the interception and monitoring related requirements as specified in the licence as amended from time to time for providing Internet Telephony.</p> <p>The Public IP address used for originating/terminating Internet Telephony calls should be made a mandatory part of CDR in case of Internet Telephony. The location details in form of latitude and longitude should also be provided wherever it is feasible.</p> <p>CLI Restriction (CLIR) facility should not be provided for Internet Telephony Subscribers.</p>
4	<p>"IP Address assigned to a subscriber for Internet Telephony shall conform to IP addressing Scheme of Internet Assigned Numbers Authority (IANA) only. Translation of E.164 number / private number to IP address and vice versa by the licensee for this purpose shall be as per directions/ instructions issued by the Licensor."</p>	<p>Chapter VIII 2.5 (v) IP Address assigned to a subscriber for Internet Telephony shall conform to IP addressing Scheme of Internet Assigned Numbers Authority (IANA) only.</p>
5		<p>Chapter VIII 2.5 (vi) The Licensees providing Internet Telephony service may facilitate access to emergency number calls using location services; however it is not mandated to provide such services at present. The subscribers may be informed about the limitation of providing access to emergency services to Internet Telephony subscribers in unambiguous terms.</p>
6		<p>Chapter VIII 2.5 (vii) The Licensees must inform QoS parameter supported by them for Internet Telephony so that the subscribers can take an informed decision.</p>
7		<p>Chapter VIII 2.5 (viii) In case of provision of Internet Telephony by Licensee, the numbering resource allocation should be done by the parent NSO.</p>

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

3. These Amendments come into force with immediate effect.


15/6/18
(R.K.Soni)

Director (AS)

Ph. No. 23036284

Copy to,

1. Secretary (TRAI)
2. Sr. DDG (TEC)/ Wireless Advisor/ Sr. DDG (DGT-HQ)/ Sr. DDG (LFP)/ DDG (LFA) and DDG (WPF)
3. DDG (CS)/ DDG (DS)/ DDG (A/C)/ CVO
4. COAI.
5. Director (IT) may kindly arrange to upload this letter on the website of DoT.
6. All Directors of AS Division.