



Bangladesh Telecommunication Regulatory Commission

IEB Bhaban, Ramna, Dhaka-1000, Bangladesh.

No. 14.32.0000.702.42.100.19.340

Date: 11-05-2021

Sub: Notice Regarding Amendment/changes in ICX Guideline and the ICX License.

Ref: Letter of MoPTIT Bearing No.14.00.0000.010.18.009.19.1157; Dated 31-03-2021.

With reference to subject mentioned above, I am directed to inform you that the Government has taken the decision to Amendment/Change "Regulatory and Guidelines for Invitation of Offers/Proposals for Issuing License for Establishing, Operation and Maintaining Interconnection Exchange services in Bangladesh" bearing number No. BTRC/LL/ICX(384)/2011-700, date: 20-10-2011 "Operator License for Interconnection Exchange (ICX)". The said Amendment/Change of Interconnection Exchange (ICX) Guidelines is as follows:

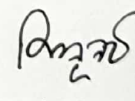
Existing	Provision as amended
<p>Interface requirement Page number: 44</p> <p>4.01 The interconnection between ICXs and other ANSs and IGWs shall be TDM-based. The interface shall be E-x and STM-X.</p>	<p>Interface requirement</p> <p>4.01 The interconnection between ICXs and other ANSs and IGWs shall be TDM and/or IP based. The interface should be E-x/ STM-x and /or IP over Ethernet.</p>
<p>Signaling/Protocol/ Number Plan and Traffic delivery Page number: 45</p> <p>5.01 The CCS7 Signaling shall be used based on ITU-T White Book or latest version ISUP recommendations with backward compatibility.</p>	<p>Signaling/Protocol/ Number Plan and Traffic delivery</p> <p>5.01 The CCS7 Signaling shall be used based on ITU-T White Book or latest version ISUP recommendations with backward compatibility and / or ITU-T recommended SIP signaling including latest best practiced RFC with Backward compatibility.</p>
<p>Signaling/Protocol/ Number Plan and Traffic delivery Page number: 45</p> <p>5.02 Inter operator signaling shall be CCS7 ISUP and other related protocols of CCS7 if necessary. For new services the commission shall issue separate directives if necessary.</p>	<p>Signaling/Protocol/ Number Plan and Traffic delivery</p> <p>5.02 Inter operator signaling shall be CCS7 ISUP and/or SIP and other related protocols of CCS7/SIP if necessary. For new services the commission shall issue separate directives, if necessary.</p>

<p>Signaling/Protocol/ Number Plan and Traffic delivery Page number: 45</p> <p>5.05 ICXs shall not require any numbering plan for ICX identification in the network. National Signaling Point Code (NSPC) and/or any other technology dependent identification will be allocated/ vetted by the commission.</p>	<p>Signaling/Protocol/ Number Plan and Traffic delivery</p> <p>5.05 ICXs shall not require any numbering plan for ICX identification in the network. National Signaling Point Code (NSPC) and/or Fixed Private IP address/ Fixed Private IP address series/ and Private AS number will be allocated by the commission to each ICX, ANS and IGW operators.</p>
<p>Connectivity Page number: 45</p> <p>6.01 The ICX Licensee shall have connectivity with all of the IGW Licensees or/and other service providers permitted by BTRC at national side. Any suitable interconnection media may be used in STM-x/E-x level. The ANS operators shall be connected with all ICX licensees or as directed by the Commission from time to time.</p>	<p>Connectivity</p> <p>6.01 The ICXs licensee shall have connectivity with all of the IGWs Licensees or/and other service providers permitted by BTRC at national side. Any suitable interconnection media may be used in STM-x/ E-x/Ethernet level. The ANS operator shall be connected with all ICX licensees or as directed by the commission from time to time.</p>
<p>Coding Page number: 46</p> <p>7.01 The coding of voice channels shall be according to A-law as per ITU-T G.711.</p>	<p>Coding</p> <p>7.01 The coding of voice channels via ICX for TDM based interconnection shall be according to A-law as per ITU-T G.711. For IP Based interconnection ICX shall allow codecs according to ITU-T standards as directed by the commission.</p>

Rw

<p>Performance Monitoring by BTRC Page number: 50 23.07 The signaling monitoring device shall have report generation facility as per following items but n limited to:-</p> <p>Signaling Link wise information</p> <p>A. Total no.of IAM message. B.Total no. of ACM message. C. Total no. of ANS message. D. Total no.of REL message. E. Total Erlang carried F. Other available signaling parameters.</p>	<p>Performance Monitoring by BTRC 23.07 The signaling monitoring device shall have report generation facilities as per following items but not limited to:-</p> <p>Signaling link wise information for TDM</p> <ol style="list-style-type: none"> 1. Total number of IAM message. 2. Total number of ACM message. 3. Total number of ANM message. 4. Total number of REL message. 5. Total Erlang carried 6. Other available signaling parameters. <p>Signaling link wise information for IP</p> <ol style="list-style-type: none"> 1. Total number of INVITE message. 2. Total number of ACK message. 3. Total number BYE message. 4. Total Erlang carried 5. Other available signaling parameters.
--	---

The aforesaid amendment/change will be effective from the date 31-03-2021 and subsequent years. So, you are requested to comply with the amended provisions mentioned above.

 11/05/2021

(Md. Nurannabi)
Director (Licensing)
Legal and Licensing Division
Phone: 029554489
E-mail: nurannabi@btrc.gov.bd

To
All ICX Operators.
All IGW Operators.
All ANS Operators.

Copy to (for kind information and necessary action):

1. Director General, Engineering & Operations Division, BTRC.
2. Director General, Accounts, finance and Revenue, BTRC.