



July 19, 2022

Federal Communications Commission
45 L Street NE
Washington, DC 20554

RE: Telnyx Applications for International Signaling Point Codes ("ISPC") Chicago

To Whom It Concerns:

Telnyx, LLC hereby respectfully submits this application for an ISPC in Chicago, IL. Telnyx is requesting a total of two ISPC applications for the following locations.

- CH1 (Chicago), 350 E. Cermak Rd, 5th Floor, Chicago, IL, 60616 US
- DC2 (Ashburn), 21715 Filigree Court, Ashburn, VA, 20147 US

Telnyx currently operates a wireless network that allows customers to leverage SIM cards to transmit messages and data across the PSTN. Telnyx has agreements with various international carriers allowing this product to be used virtually anywhere in the world. To support our growing SIM product, Telnyx is expanding our Mobile Core Network to upgrade our capacity and introduce redundancy, protecting our network from outages due to site-specific incidents.

Telnyx will need to deploy two additional Short Message Service Centers (SMSCs) and two additional Home Location Registers (HLRs). SMSCs and HLRs are needed in each Point of Presence (PoP) location to properly communicate with the international SS7 network. The SMSCs are used for sending SMS from our network while the HLRs allow Telnyx to authenticate our SIM cards on our network and confirm which networks and subsequent services SIM cards have access to. The attached network diagram in Appendix A displays the use of the new ISPCs.

The signaling point manufacturer will be Athonet and Telnyx will be implementing switch model Quortus EXC. Telnyx plans to have both ISPCs operational by October 1, 2022. Finally, Telnyx has the below MTP signaling relation planned.

- Name and address of distant signaling point: Swisscom Telehouse Savoie, Avenue Andre Schnetzler 3, 1003 Lausanne, Switzerland
- Location of distant signaling point: Lausanne
- ISPC of distant signaling point: 2.061.6

Should you have any further questions please reach out to regulatory@telnyx.com or +1-312-270-8124.

Sincerely,

Sarah Halko
Director of Regulatory and Industry Affairs

Appendix A

Below is a network diagram portraying the use of the additional ISPCs.

