



CARLA M. BUTLER

October 30, 2017

Via E-Filing Only

Filing Center
Oregon Public Utility Commission
P.O. Box 1088
Salem, OR 97308-1088
puc.filingcenter@state.or.us

Re: ARB 1160 – **Revised** Carrier Partner for Interconnected VoIP Provider
Amendment to the Interconnection Agreement between Hamr Communications, LLC
and Qwest Corporation dba CenturyLink QC

Dear:

Attached please find a Revised Carrier Partner for Interconnected VoIP Provider
Amendment to the Interconnection Agreement between Hamr Communications, LLC
and Qwest Corporation dba CenturyLink QC, which replaces in its entirety the
Amendment filed on October 5, 2017. Also attached is a copy of the CLEC's e-mail
concurring with the correction made to the Amendment.

Also attached is a completed Carrier-to-Carrier Agreement Checklist, which includes
the names of the parties, a contact person, and the type of filing. No paper copy will
follow.

Please feel free to contact me if you have any questions concerning the enclosed.
Thank you for your assistance in this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Carla".

Carla Butler
Paralegal

Attachment

310 SW Park Ave., 11th Flr.
Portland, OR 97205
Tel. 503.242.5420
Fax. 503.242.8589
carla.butler@centurylink.com

From: Don Gale [<mailto:dgale@tminc.com>]
Sent: Monday, October 30, 2017 8:54 AM
To: Dea, Steve
Subject: RE: Hamr Communications - Amendment (rev)

Hi Steve,

Sorry for the delayed response. Please make the change you recommended.

Thanks,

Don

Don Gale
Consultant
(407) 740-3004
dgale@tminc.com
Technologies Management, Inc.

From: Dea, Steve [<mailto:Steve.Dea@CenturyLink.com>]
Sent: Friday, October 27, 2017 11:39 AM
To: 'Don Gale'
Subject: FW: Hamr Communications - Amendment (rev)

Don - Any word?

From: Dea, Steve
Sent: Thursday, October 26, 2017 8:37 AM
To: Dea, Steve; 'Don Gale'; 'Sthomas@tminc.com'; 'aseelye@hamr.co'
Subject: RE: Hamr Communications - Amendment (rev)

Don -

Just checking on the concurrence so that I can prepare the replacement page for the Commission.

The OPUC indicated that if we are able to file the replacement by Monday, the amendment will be added to the Nov. 7 meeting agenda along with the main agreement.

Steve Dea / Wholesale Markets / Interconnection Agreements
930 15th Street, 6th Floor / Denver, CO 80202
Phone 303-992-5906
steve.dea@centurylink.com

**Carrier Partner for Interconnected VoIP Provider Amendment
to the Interconnection Agreement between
Qwest Corporation dba CenturyLink QC
and
Hamr Communications, LLC
for the State of Oregon**

This Carrier Partner for Interconnected VoIP Provider Amendment (“Amendment”) is to the Interconnection Agreement between Qwest Corporation dba CenturyLink QC (“CenturyLink”), and Hamr Communications, LLC (“CLEC”). CenturyLink and CLEC shall be known jointly as the “Parties”.

RECITALS

WHEREAS, CenturyLink and CLEC entered into an Interconnection Agreement (“Agreement”) for service in the state of Oregon which will be filed concurrently with this Amendment; which, among other terms, required each party to provide for the exchange of Exchange Service (EAS/Local), IntraLATA LEC Toll, Transit, VoIP-PSTN Traffic and Jointly Provided Switched Access traffic; and

WHEREAS, CLEC wishes to act as a Carrier Partner for an Interconnected VoIP Provider, which obtains their own number resources pursuant to FCC Report and Order 15-70 (“VoIP Numbering Order”), released June 22, 2015. CLEC will provide a switch for its use and seeks to combine CLEC’s traffic with Interconnected VoIP Provider’s VoIP-PSTN Traffic and exchange such traffic with CenturyLink according to the terms of this “Carrier Partner for Interconnected VoIP Provider Amendment” (the “Carrier Partner Amendment”), subject to limitations and requirements of the Local Exchange Routing Guide (“LERG”) and other applicable requirements, including but not limited to the Agreement and the Amendment; and

WHEREAS, the Parties wish to amend the Agreement under the terms and conditions contained herein.

AGREEMENT

NOW THEREFORE, in consideration of the mutual terms, covenants and conditions contained in this Amendment and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

Amendment Terms

The Agreement is hereby amended by adding specific terms and conditions under which CLEC exchanges traffic with CenturyLink as set forth in Attachment 1 to this Amendment, attached hereto and incorporated herein by this reference.

Effective Date

This Amendment shall be deemed effective upon approval by the Commission, or by being permitted to go into effect by operation of law; however, the Parties may agree to implement the provisions of this Amendment upon execution. To accommodate this need, CLEC must generate, if necessary, updated customer documentation. In addition, all system updates will need to be completed by CenturyLink. Carrier Partner will be notified when all system changes have been made. Actual order processing may begin once these requirements have been met.

Further Amendments

Except as modified herein, the provisions of the Agreement shall remain in full force and effect. The provisions of this Carrier Partner Amendment, including the provisions of this sentence, may not be amended, modified or supplemented, and waivers or consents to departures from the provisions of this Carrier Partner Amendment may not be given without the written consent thereto by both Parties' authorized representative. No waiver by any Party of any default, misrepresentation, or breach of warranty or covenant hereunder, whether intentional or not, will be deemed to extend to any prior or subsequent default, misrepresentation, or breach of warranty or covenant hereunder or affect in any way any rights arising by virtue of any prior or subsequent such occurrence.

Entire Agreement

The Agreement as amended constitutes the full and entire understanding and agreement between the Parties with regard to the subjects of the Agreement as amended and supersedes any prior understandings, agreements, or representations by or between the Parties, written or oral, to the extent they relate in any way to the subjects of the Agreement as amended.

The Parties intending to be legally bound have executed this Amendment as of the dates set forth below, in multiple counterparts, each of which is deemed an original, but all of which shall constitute one and the same instrument.

Hamr Communications, LLC

DocuSigned by:
Aaron Seelve
B6B9416AEEA749D

Signature

Aaron Seelve
Name Printed/Typed

President
Title

8/18/2017
Date

Qwest Corporation dba CenturyLink QC

DocuSigned by:
Diane Roth
766DEF6A149A455

Signature

Diane Roth
Name Printed/Typed

Director-Wholesale
Title

8/22/2017
Date

ATTACHMENT 1

The following language is added or hereby replaces the existing language, in the Agreement, in its entirety:

Terms of Carrier Partner Amendment

1. Pursuant to the terms of this Amendment, CLEC will be exchanging with CenturyLink VoIP-PSTN Traffic, Transit and Jointly Provided Switched Access traffic of Interconnected VoIP Providers on the CLEC's interconnection trunks.
 - 1.1 Prior to CLEC exchanging traffic for an Interconnected VoIP Provider with CenturyLink, CLEC will notify CenturyLink and CenturyLink will confirm that the Interconnected VoIP Provider has completed all necessary actions to perform number portability with CenturyLink pursuant to Applicable Law and ensure traffic routes properly in an environment of numbers ported to the Interconnected VoIP Provider.
 - 1.2 CLEC will notify CenturyLink when CLEC is no longer routing an Interconnected VoIP Provider's traffic on CLEC's interconnection trunks.
 - 1.3 CLEC will provide such notifications to their CenturyLink Customer Account Manager (CAM).
 - 1.4 CLEC will follow applicable procedures of the LERG and the CLEC Agreement in order to identify the OCNs and NPA-NXX(s) of the Interconnected VoIP Provider which will be associated with the CLEC's Switch and routed on the CLEC's interconnection trunk groups.
 - 1.5 The CLEC's end office CLLI must be designated in LERG 7 SHA as the Actual Switch ID.
2. CLEC and CenturyLink will continue to exchange traffic under the terms of the CLEC Agreement, including traffic terminating to CenturyLink end users. Solely for purposes of this Amendment, all traffic CLEC terminates to CenturyLink end users or that transits CenturyLink to other providers will be treated as though originated by CLEC, including but not limited to terminating intercarrier compensation, Transit compensation, compensation for use of interconnection transport facilities, and establishment of direct trunk groups.
3. No compensation for transiting traffic will be paid by CenturyLink to CLEC for traffic that CenturyLink sends through the CLEC to terminate to Interconnected VoIP Provider. All CenturyLink end user traffic will be treated as though it was terminated with the CLEC.
4. Interconnected VoIP Provider traffic will be included as the CLEC's responsibility in accordance with applicable terms of the Agreement. The Parties understand and agree that the nature of VoIP technology results in differing traffic patterns, while not changing the compensation required under Applicable Law. VoIP technology may permit an end user to move between places while still having access to its VoIP telephony services ("Nomadic VoIP"), which may make the Parties unable to properly track and bill applicable compensation charges. In addition, fixed locations may use telephone numbers not associated with the rate center of the fixed location, creating traffic patterns similar to VNXX Traffic, discussed elsewhere in this

Agreement. The Parties agree that, while such uses of VoIP telephony do not change compensation requirements under Applicable Law, they wish to establish a means of remedying issues while reducing the potential for dispute. As a result, CLEC represents that contracts with its customers will include provisions that traffic be properly routed and identified in order to facilitate proper compensation. If CenturyLink suspects that certain traffic exchanged under this Amendment is being routed in a way that avoids appropriate compensation being paid, it will provide CLEC written notice of the basis for its suspicion that such traffic is not Nomadic VoIP, and provide CLEC 45 days to remedy the situation or provide a response sufficient to show that such traffic is properly being routed and appropriate compensation being paid. If such traffic is not remedied, CLEC will be responsible for payment of appropriate compensation under Applicable Law for all such traffic including any Interconnected VoIP Provider traffic. The Parties will work cooperatively to address any compensation concerns. In addition, if Nomadic VoIP traffic rises above a *de minimus* level, the parties will jointly determine a method to track and pay appropriate compensation for such traffic.

5. This Amendment does not otherwise modify or supersede the terms and conditions of any agreement that CLEC may have with CenturyLink, including tariff, Interconnection and/or other agreements.

6. This Amendment does not authorize CLEC to bill CenturyLink on behalf of Interconnected VoIP Provider for any charges associated with transit traffic, terminating traffic or interconnection facilities, including, but not limited to any compensation arrangements contained in separate agreements or tariffs with CenturyLink.

7. CLEC will pass unaltered signaling information (e.g., originating Calling Party Number and destination called party number, etc.) for the Interconnected VoIP Provider's traffic per 47 C.F.R. § 64.1601 and industry standards.

8. CLEC agrees that CenturyLink may temporarily discontinue accepting all traffic delivered over CLEC's trunking where CenturyLink experiences from Interconnected VoIP Provider a Denial of Service (DoS) attack or such Interconnected VoIP Provider traffic otherwise contributes to the degradation of CenturyLink's network or CenturyLink's ability to provide service to its customers. CLEC agrees to remove the inappropriate Interconnected VoIP Provider traffic from its network prior to CenturyLink's subsequent acceptance of CLEC's other traffic. Following any such event, CLEC will establish a separate trunk group for the responsible Interconnected VoIP Provider's exclusive use for any subsequent Interconnected VoIP Provider traffic.

9. Where CLEC uses its interconnection trunks with CenturyLink for the routing of Interconnected VoIP Provider's traffic, in addition to its own traffic, CLEC will ensure traffic routed over such trunks is destined solely to the geographic area served by CenturyLink's switch as defined in the LERG.

10. CLEC agrees that CenturyLink will not be responsible to provide 911 services directly to the Interconnected VoIP Provider and that instead CLEC will be responsible as the Carrier Partner to provide such 911 services in accordance with applicable terms of the Agreement.

11. If CLEC chooses to obtain numbering from NANPA under a different OCN as an Interconnected VoIP Provider and exchange corresponding traffic with CenturyLink under the Agreement and this Amendment CLEC agrees to the same responsibilities stated in Section 1 and its subparts.

12. Definitions

12.1 Carrier Partner is a Certified Local Exchange Carrier (CLEC) that provides the facilities and trunking that an Interconnected VoIP Provider needs in order to exchange traffic with CenturyLink and to demonstrate its facilities readiness as described in the VoIP Numbering Order.

12.2 Denial of Service (DoS) is an action that prevents legitimate user(s) from using or being provided service.

12.3 Interconnected VoIP Provider is an entity that provides interconnected VoIP service, as that term is defined in 47 C.F.R. § 9.3 and that directly obtains numbering resources as described in the VoIP Numbering Order.