AT&T Wholesale Agreement

Contract Number: 19055



Customer Name: Neutral Tandem, LLC

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CLEC Agreement with:

Neutral Tandem, LLC

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VERSION - 09/18/08

AGREEMENT

This Agreement, which shall be filed with and is subject to approval by the State Commission and shall become effective ten (10) days after approval by such Commission ("Effective Date"), is entered into by and between Neutral Tandem-Florida, LLC, Neutral Tandem-Georgia, LLC and Neutral Tandem-Kentucky, LLC, collectively ("Neutral Tandem, LLC"), all of which are Delaware corporations on behalf of itself, and BellSouth Telecommunications, Inc. d/b/a AT&T Alabama, AT&T Florida, AT&T Georgia, AT&T Kentucky, AT&T Louisiana, AT&T Mississippi, AT&T North Carolina, AT&T South Carolina and AT&T Tennessee, ("AT&T"), having an office at 675 W. Peachtree Street, Atlanta, Georgia, 30375, on behalf of itself and its successors and assigns.

WHEREAS, the Telecommunications Act of 1996 (the "Act") was signed into law on February 8, 1996; and

WHEREAS, Neutral Tandem, LLC has requested that AT&T make available the interconnection agreement in its entirety executed between BellSouth Telecommunications Inc. ("AT&T") and Comcast Phone, LLC. Comcast Phone II, Inc. dated September 25, 2005 and recently extended by Comcast for three years under the ICA Merger Commitment in the States of Florida, Georgia and Kentucky for the state(s) of Florida, Georgia and Kentucky.

NOW, THEREFORE, in consideration of the promises and mutual covenants of this Agreement, Neutral Tandem, LLC and AT&T hereby agree as follows:

- 1. <u>AT&T-9STATE</u> shall be defined as the states of Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee.
- 2. Neutral Tandem, LLC and AT&T shall adopt in its entirety the Comcast Phone, LLC Comcast Phone II, Inc. Interconnection Agreement dated September 25, 2005 and any and all amendments to said agreement executed and approved by the appropriate state regulatory commission as of the date of the execution of this Agreement. The Comcast Phone, LLC Comcast Phone II, Inc. Interconnection Agreement and all amendments are attached hereto as Exhibit 1 and incorporated herein by this reference. The adoption of this agreement with amendment(s) consists of the following:

ITEM	NO.
	PAGES
Table of Contents	1
Title Page	1
Adoption Papers	3
Signature Page	1
Exhibit 1 Cover Page	1
Comcast Phone, LLC. Comcast Phone II, Inc. Agreement	426
UNE rate Amendment – Effective 3/31/2006	20
Notice Section Amendment – Effective 2/28/2007	2
Extension Amendment – Effective 6/11/2008	2
TOTAL	457

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- PAGE 2 OF 3 NEUTRAL TANDEM, LLC VERSION – 09/18/08
- 3. In the event that Neutral Tandem, LLC consists of two (2) or more separate entities as set forth in the preamble to this Agreement, all such entities shall be jointly and severally liable for the obligations of Neutral Tandem, LLC under this Agreement.
- 4. The term of this Agreement shall be from the Effective Date as set forth above and shall expire as set forth in Section 2 of the General Terms and Conditions of the AT&T Interconnection Agreement. For the purposes of determining the expiration date of this Agreement, the expiration date shall be September 24, 2011.
- 5. Neutral Tandem, LLC shall accept and incorporate any amendments to the Comcast Phone, LLC. Comcast Phone II, Inc. Interconnection Agreement executed as a result of any final judicial, regulatory, or legislative action.
- 6. In entering into this MFN Agreement, the Parties acknowledge and agree that neither Party waives, and each Party expressly reserves, any of its rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in this MFN Agreement (including intervening law rights asserted by either Party via written notice as to the Separate Agreement), with respect to any orders, decisions, legislation or proceedings and any remands by the FCC, state utility commission, court, legislature or other governmental body including, without limitation, any such orders, decisions, legislation, proceedings, and remands which were issued, released or became effective prior to the Effective Date of this MFN Agreement, or which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review.
- 7. Every notice, consent or approval of a legal nature, required or permitted by this Agreement shall be in writing and shall be delivered either by hand, by overnight courier or by US mail postage prepaid, or email if an email address is listed below, addressed to:

AT&T

Contract Management ATTN: Notices Manager 311 S. Akard, 9th Floor Dallas, TX 75202-5398 and Business Markets Attorney Suite 4300 675 W. Peachtree St. Atlanta, GA 30375

Neutral Tandem-Florida, LLC, Neutral Tandem-Georgia, LLC and Neutral Tandem-Kentucky, LLC collectively Neutral Tandem, LLC

Richard Monto, SVP 1 South Wacker, Suite 300 Chicago, IL 60606 Phone 312-384-8090 Fax 312-346-2376 Email rmonto@neutraltandem.com

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PAGE 3 OF 3 NEUTRAL TANDEM, LLC VERSION – 09/18/08

or at such other address as the intended recipient previously shall have designated by written notice to the other Party. Where specifically required, notices shall be by certified or registered mail. Unless otherwise provided in this Agreement, notice by mail shall be effective on the date it is officially recorded as delivered by return receipt or equivalent, and in the absence of such record of delivery, it shall be presumed to have been delivered the fifth day, or next business day after the fifth day, after it was deposited in the mails.

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INTERCONNECTION ADOPTION AGREEMENT/AT&T-9STATE
SIGNATURE PAGE
NEUTRAL TANDEM, LLC
VERSION -10/09/08

Neutral Tandem-Florida, LLC Neutral Tandem-Georgia, LLC Neutral Tandem-Kentucky, LLC

BY: DAVID TATAK

Name: Name: Vond Julak

Title: VP BILLING & REVENUE

Date: / 23/09

BellSouth Telecommunications, Inc. d/b/a AT&T Florida, AT&T Georgia, and AT&T Kentucky by AT&T Operations, Inc., its authorized agent

By: achodus of

Name: Eddie A. Reed, Jr.

Title: Director-Interconnection Agreements

Date: 4 - 2 - 09

 OCN#
 ACNA

 FLORIDA
 937 C
 OWS

 GEORGIA
 067 D
 6WS

 KENTUCKY
 896 E
 OWS

EXHIBIT 1

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AT&T Wholesale Amendment

Contract Number: 18463

Signature Page/<u>AT&T-22STATE</u>
Page 1 of 2
NEUTRAL TANDEM-GEORGIA, LLC

Version: 1Q13 - 03/15/13

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T GEORGIA

AND

NEUTRAL TANDEM-GEORGIA, LLC



Contract Id: 4174856

Page 3106#16

Signature Page/<u>AT&T-22STATE</u>
Page 2 of 2
NEUTRAL TANDEM-GEORGIA, LLC
Version: 1Q13 - 03/15/13

Signature:	eSigned - John Bullock	Signature:	eSigned - Kristen E. Shore
Name:	eSigned - John Bullock (Print or Type)	Name:	eSigned - Kristen E. Shore (Print or Type)
Title: SVP	- Network Engineering and Operations (Print or Type)	Title:	Director (Print or Type)
Date:	21 Sep 2013	Date:	23 Sep 2013
Neutral Ta	andem-Georgia, LLC		Telecommunications, LLC d/b/a AT&T by AT&T Services, Inc., its authorized

agent

State	CLEC OCN
GEORGIA	067D

Description	ACNA Code(s)
ACNA(s)	OWS

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Amendment - VoIP Trial/AT&T GEORGIA
Page 1 of 1
NEUTRAL TANDEM
Version: 09/20/13

AMENDMENT TO THE AGREEMENT BETWEEN NEUTRAL TANDEM-GEORGIA, LLC BELLSOUTH TELECOMMUNICATIONS, LLC d/b/a AT&T GEORGIA

This Amendment (the "Amendment") amends the Interconnection Agreement by and between BellSouth Telecommunications, LLC d/b/a AT&T Georgia ("AT&T Georgia") and Neutral Tandem-Georgia, LLC ("Neutral Tandem" or "CLEC"). AT&T Georgia and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party".

WHEREAS, AT&T Georgia and CLEC are parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act"), approved July 10, 2009 and as subsequently amended (the "Agreement"); and

WHEREAS, Neutral Tandem will be acting as a numbering partner for certain interconnected VoIP providers ("IVPs") in connection with the numbering trial approved by the FCC in the *Direct Access Order*, 28 FCC Rcd 5842 (2013). As such, Neutral Tandem will be delivering traffic to and receiving traffic from AT&T on behalf of IVP for the duration of the trial.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

- 1. The Recitals are incorporated into this Amendment.
- During the trial AT&T Georgia and Neutral Tandem will interconnect, exchange traffic and maintain compensation for IVP traffic as if it were traffic to or from Neutral Tandem' end users as provided for in the Agreement. For avoidance of doubt, after conclusion of the trial, Neutral Tandem and AT&T Georgia shall no longer exchange traffic destined to or originating from IVPs, pursuant to this Agreement.
- 3. By agreeing to exchange IVP traffic pursuant to this Agreement for the duration of the trial, neither Party waives and each Party expressly reserves its respective advocacy positions regarding the appropriate means of interconnection, traffic exchange and intercarrier compensation for traffic exchanged between the Parties.
- 4. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 5. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
- 6. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
- 7. This Amendment shall be filed with and is subject to approval by the Georgia Public Service Commission ("Commission") and shall become effective one (1) day following filing with such Commission. If the Commission rejects this Amendment, the Parties shall consult promptly to see if the Commission's concerns can be resolved. If not, then this Amendment shall be null and void and the rights and responsibilities of the parties with regard to IVP traffic shall be as set forth in their current Interconnection Agreement. In such event, the Parties shall cooperate to minimize the possibility that any required changes will disrupt service to consumers or other service providers.

AT&T Wholesale Amendment

Contract Number: 18464

Page 1 of 2 NEUTRAL TANDEM-FLORIDA, LLC Version: 1Q13 - 03/15/13

Page 24ob#16

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T FLORIDA

AND

NEUTRAL TANDEM-FLORIDA, LLC



Contract Id: 4174846

Page 3506#16

Signature Page/<u>AT&T-22STATE</u>
Page 2 of 2
NEUTRAL TANDEM-FLORIDA, LLC
Version: 1Q13 - 03/15/13

Signature:	eSigned - John Bullock	Signature: _	eSigned - Kristen E. Shore
Name:	eSigned - John Bullock (Print or Type)	Name:	eSigned - Kristen E. Shore (Print or Type)
Title: <u>SVP</u> -	Network Engineering and Operations (Print or Type)	Title:	Director (Print or Type)
Date:	21 Sep 2013	Date:	23 Sep 2013
Neutral Tar	ndem-Florida, LLC		Telecommunications, LLC d/b/a AT&1

agent

State	CLEC OCN
FLORIDA	937C

Description	ACNA Code(s)
ACNA(s)	OWS

Amendment - VoIP Trial/AT&T FLORIDA

Page 1 of 1 NEUTRAL TANDEM Version: 09/20/13

Page 4606#16

AMENDMENT TO THE AGREEMENT BETWEEN NEUTRAL TANDEM-FLORIDA, LLC BELLSOUTH TELECOMMUNICATIONS, LLC d/b/a AT&T FLORIDA

This Amendment (the "Amendment") amends the Interconnection Agreement by and between BellSouth Telecommunications, LLC d/b/a AT&T Florida ("AT&T Florida") and Neutral Tandem-Florida, LLC ("Neutral Tandem" or "CLEC"). AT&T Florida and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party".

WHEREAS, AT&T Florida and CLEC are parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act"), approved July 21, 2009 and as subsequently amended (the "Agreement"); and

WHEREAS, Neutral Tandem will be acting as a numbering partner for certain interconnected VoIP providers ("IVPs") in connection with the numbering trial approved by the FCC in the *Direct Access Order*, 28 FCC Rcd 5842 (2013). As such, Neutral Tandem will be delivering traffic to and receiving traffic from AT&T on behalf of IVP for the duration of the trial.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

- 1. The Recitals are incorporated into this Amendment.
- During the trial AT&T Florida and Neutral Tandem will interconnect, exchange traffic and maintain compensation for IVP
 traffic as if it were traffic to or from Neutral Tandem' end users as provided for in the Agreement. For avoidance of doubt,
 after conclusion of the trial, Neutral Tandem and AT&T Florida shall no longer exchange traffic destined to or originating
 from IVPs, pursuant to this Agreement.
- 3. By agreeing to exchange IVP traffic pursuant to this Agreement for the duration of the trial, neither Party waives and each Party expressly reserves its respective advocacy positions regarding the appropriate means of interconnection, traffic exchange and intercarrier compensation for traffic exchanged between the Parties.
- 4. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 5. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
- 6. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
- 7. This Amendment shall be filed with and is subject to approval by the Florida Public Service Commission ("Commission") and shall become effective one (1) day following filing with such Commission. If the Commission rejects this Amendment, the Parties shall consult promptly to see if the Commission's concerns can be resolved. If not, then this Amendment shall be null and void and the rights and responsibilities of the parties with regard to IVP traffic shall be as set forth in their current Interconnection Agreement. In such event, the Parties shall cooperate to minimize the possibility that any required changes will disrupt service to consumers or other service providers.

AT&T Wholesale Amendment

Contract Number: 22060

Signature Page/AT&T-21STATE Page 1 of 4 NEUTRAL TANDEM Version: 4Q15 – 10/20/15

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AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND



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Signature Page/AT&T-21STATE Page 2 of 4 NEUTRAL TANDEM Version: 4Q15 – 10/20/15

NEUTRAL TANDEM-ALABAMA, LLC; NEUTRAL TANDEM-LOUISIANA, LLC; NEUTRAL TANDEM-MISSISSIPPI, LLC; NEUTRAL TANDEM-NORTH CAROLINA, LLC; NEUTRAL TANDEM-SOUTH CAROLINA, LLC; NEUTRAL TANDEM-TENNESSEE, LLC; NEUTRAL TANDEM-FLORIDA, LLC; NEUTRAL TANDEM-GEORGIA, LLC; NEUTRAL TANDEM-KENTUCKY, LLC; NEUTRAL TANDEM-ILLINOIS, LLC; NEUTRAL TANDEM-ARKANSAS, LLC; NEUTRAL TANDEM-KANSAS, LLC; NEUTRAL TANDEM-INDIANA, LLC; NEUTRAL TANDEM-OKLAHOMA, LLC; NEUTRAL TANDEM-INDIANA, LLC; NEUTRAL TANDEM-MISSOURI, LLC: NEUTRAL TANDEM-NEVADA, LLC; NEUTRAL TANDEM-MICHIGAN, LLC; NEUTRAL TANDEM-CALIFORNIA, LLC; NEUTRAL TANDEM-TEXAS, LLC

Signature Page/AT&T-21STATE Page 3 of 4 NEUTRAL TANDEM Version: 4Q15 – 10/20/15

Signature: eSigned - John Schoder

Name: eSigned - John Schoder

(Print or Type)

Title: CMO

(Print or Type)

Date: 22 Oct 2016

Neutral Tandem-Alabama, LLC; Neutral Tandem-Louisiana, LLC; Neutral Tandem-Mississippi, LLC; Neutral Tandem-North Carolina, LLC; Neutral Tandem-South Carolina, LLC; Neutral Tandem-Florida, LLC; Neutral Tandem-Georgia, LLC; Neutral Tandem-Kentucky, LLC; Neutral Tandem-Illinois, LLC; Neutral Tandem-Arkansas, LLC; Neutral Tandem-Kansas, LLC; Neutral Tandem-Cklahoma, LLC; Neutral Tandem-Indiana, LLC; Neutral Tandem-Missouri, LLC: Neutral Tandem-Nevada, LLC; Neutral Tandem-Michigan, LLC; Neutral Tandem-California, LLC; Neutral Tandem-Texas, LLC

State	CLEC OCN
ALABAMA	604E
ARKANSAS	348F
CALIFORNIA	649C
FLORIDA	937C
GEORGIA	067D
ILLINOIS	505B
INDIANA	097D
KANSAS	205F
KENTUCKY	896E
LOUISIANA	749E
MICHIGAN	543C
MISSISSIPPI	719E
MISSOURI	093F
NEVADA	029F

Signature: eSigned - William A. Bockelman

Name: eSigned - William A. Bockelman

(Print or Type)

Title: Director

(Print or Type)

Date: 25 Oct 2016

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA. Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

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Signature Page/AT&T-21STATE Page 4 of 4 NEUTRAL TANDEM Version: 4Q15 – 10/20/15

NORTH CAROLINA	638E
OHIO	464C
OKLAHOMA	409F
SOUTH CAROLINA	548E
TENNESSEE	525E
TEXAS	903C
WISCONSIN	225C

Description	ACNA Code(s)
ACNA(s)	OWS

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AMENDMENT TO THE AGREEMENT BETWEEN

NEUTRAL TANDEM-ALABAMA, LLC; NEUTRAL TANDEM-ARKANSAS, LLC NEUTRAL TANDEM-CALIFORNIA, LLC; NEUTRAL TANDEM-FLORIDA, LLC; NEUTRAL TANDEM-GEORGIA, LLC NEUTRAL TANDEM-ILLINOIS, LLC; NEUTRAL TANDEM-INDIANA, LLC; NEUTRAL TANDEM-KANSAS, LLC; NEUTRAL TANDEM-KENTUCKY, LLC; NEUTRAL TANDEM-LOUISIANA, LLC; NEUTRAL TANDEM-MICHIGAN, LLC; NEUTRAL TANDEM-MISSOURI, LLC; NEUTRAL TANDEM-NEVADA, LLC; NEUTRAL TANDEM-NORTH CAROLINA, LLC; NEUTRAL TANDEM-NEVADA, LLC; NEUTRAL TANDEM-OKLAHOMA, LLC; NEUTRAL TANDEM-SOUTH CAROLINA, LLC; NEUTRAL TANDEM-TEXAS, LLC AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit A.

WHEREAS, AT&T and CLEC are Parties to the Agreement(s) as shown in the attached Exhibit A.

WHEREAS, CLEC will be providing interconnection to the PSTN on behalf of one or more interconnected VoIP providers ("IVP") in connection with the 2015 VoIP Number Access Order approved by the FCC in WC Docket No. 13-97; Numbering Policies for Modern Communications. As such, CLEC will be delivering traffic to and receiving traffic from AT&T on behalf of one or more IVPs; and

WHEREAS, the Parties wish to amend the Agreement, pursuant to Sections 251 and 252 of the Act, to include certain provisions relating to WC Docket No. 13-97 approved by the FCC; and

WHEREAS, the Parties desire to amend the Agreement to implement the Lifeline and Link Up Reform and Modernization et al., WC Docket No. 11-42 et al., Second Report and Order, FCC 15-71, Released June 22, 2015 ("FCC Lifeline Order"); and

WHEREAS, the Parties desire to amend the Agreement to implement to the Connect America Fund et al., WC Docket No. 10-90 et al, Report and Order issued by the Federal Communications Commission ("FCC") on November 18, 2011 (FCC 11-161), and as amended by the FCC on December 23, 2011 (FCC 11-189) ("FCC ICC Reform Order"); and

WHEREAS, the Parties desire to amend the Agreement to implement the Petition of USTelecom for Forbearance Pursuant to 47 U.S.C. § 160(c) from Enforcement of Obsolete ILEC Legacy Regulations That Inhibit Deployment of Next-Generation Networks, WC Docket No. 14-192, Released December 28, 2015 ("FCC US Telecom Forbearance Order"); and

WHEREAS, the Parties desire to, modify certain provisions related to Termination of Agreement After Initial Term Expiration and to modify certain provisions related to Customer Information Services.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

NEUTRAL TANDEM Version: 01/18/16

- 1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, and Exhibit A, Exhibit B, and Exhibit C Pricing Sheets immediately following, all of which are hereby incorporated within this Amendment by this reference and constitute a part of this Amendment.
- 2. "Interconnected VoIP Provider" or "IVP" as used in this Agreement is the entity set forth in the Preamble and that provides interconnected VoIP service as that term is defined in 47 U.S.C. § 9.3 and for the purposes of this Agreement, refers to a specific Interconnected VoIP Provider that is a Party to this Agreement.
- 3. AT&T and CLEC will interconnect, exchange traffic and maintain compensation for traffic originated by or destined for an IVP as if it were traffic to or from CLEC's end users as provided for in the Agreement.
- 4. AT&T-21STATE shall route such IVP traffic destined for CLEC's directly connected end office as defined in the LERG, and CLEC shall be responsible, including financially, for any such traffic. AT&T-21STATE shall not be responsible for any misuse of CLEC's codes by IVP in the LERG.
- 5. By agreeing to exchange traffic pursuant to this Agreement, neither Party waives and each Party expressly reserves its respective advocacy positions regarding the appropriate means of interconnection, traffic exchange and intercarrier compensation for traffic exchanged between the Parties.
- 6. Lifeline and Link Up Services
 - 6.1 Delete the rates, terms and conditions related to Lifeline and Link Up service offerings from the Agreement. Lifeline and Link Up service will no longer be available under the Agreement beginning 180 days after Federal Register publication of the Office of Management and Budget's (OMB) approval.
- 7. Intercarrier Compensation
 - 7.1 The Parties hereby implement the intercarrier compensation rates reflected in the Pricing Sheet attached hereto as Exhibit C, for the termination of all Section 251(b)(5) Traffic exchanged between the Parties in the applicable state(s). The intercarrier compensation rates included in Exhibit C hereby supersede the existing rate elements included in the Agreement for purposes of reciprocal compensation.

8. Forbearance

8.1 Delete the rates, terms and conditions related to the unbundling of a 64 kbps voice-grade channel to provide narrowband services over fiber where an incumbent LEC retires a copper loop it has overbuilt with a fiber-to-the-home or fiber-to-the-curb loop.

9. Customer Information Services (CIS)

- 9.1 With the exception of 9.3 herein, delete all rates, terms and conditions pertaining to Customer Information Services, including but not limited to services related to Operator Services (OS), Directory Assistance (DA), Directory Assistance Listings (DAL), Inward Assistance Operator Services (INW) and White Pages (e.g., Busy Line Verification (BLV), Busy Line Verification/Interrupt (BLV/I), etc.) from the Agreement.
- 9.2 Add Attachment 06 Operator Services and Directory Assistance (OS/DA), attached hereto as Exhibit B; and the Operator Services and Directory Assistance (OS/DA) rates reflected in the Pricing Sheet, attached hereto as Exhibit C, to the Agreement.
- 9.3 Add the following provisions to the Attachment or Appendix for Resale
 - CIS.1 For Resale service, AT&T will provide Customer Information Services to CLEC's End Users where technically feasible and/or available to AT&T retail End Users. Dialing, response, and sound quality will be provided in parity to AT&T retail End Users.
 - CIS.2 CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC's location and its End Users' service locations.
 - CIS.3 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T.

- NEUTRAL TANDEM Version: 01/18/16
- CIS.4 AT&T shall not be responsible for the manner in which utilization of Resale Services or the associated charges are allocated to End Users or others by CLEC. Applicable rates and charges for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.
- CIS.5 Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.
- CIS.6 If CLEC does not wish to be responsible for payment of charges for calling card, collect, or third number billed calls (Alternately Billed Traffic or "ABT") or toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is the responsibility of CLEC to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Express Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.
- 10. For the States of Alabama, Louisiana, North Carolina, South Carolina and Tennessee The Parties agree to replace Section 20 from the Agreement with the following language:

Notices

- 20.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 20.1.1 delivered by electronic mail (email).
 - 20.1.2 delivered by facsimile.
- 20.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 20.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 20.4 below.
 - 20.2.2 delivered by facsimile provided CLEC has provided such information in Section 20.4 below.
- 20.3 Notices will be deemed given as of the earliest of:
 - 20.3.1 the date of actual receipt.
 - 20.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
 - 20.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 20.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606

PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

^{*}Informational only and not to be considered as an official notice vehicle under this Section.

- 20.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 20. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 20.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 20. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 20.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 11. For the States of Florida, Georgia, and Kentucky The Parties agree to replace Section 19 from the Agreement with the following language:

19. Notices

- 19.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 19.1.1 delivered by electronic mail (email).
 - 19.1.2 delivered by facsimile.
- 19.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 19.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 19.4 below
 - 19.2.2 delivered by facsimile provided CLEC has provided such information in Section 19.4 below.
- 19.3 Notices will be deemed given as of the earliest of:
 - 19.3.1 the date of actual receipt.

- NEUTRAL TANDEM Version: 01/18/16
- 19.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
- 19.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 19.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT	
NAME/TITLE	Contract Management	
	ATTN: Notices Manager	
FACSIMILE NUMBER	(214) 712-5792	
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website	

^{*}Informational only and not to be considered as an official notice vehicle under this Section.

- 19.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 19. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 19. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 19.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 12. For the States of Illinois, Nevada, Texas and Wisconsin The Parties agree to replace Section 17 from the Agreement with the following language:

17. <u>Notices</u>

17.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

- 17.1.1 delivered by electronic mail (email).
- 17.1.2 delivered by facsimile.
- 17.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 17.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 17.4 below.
 - 17.2.2 delivered by facsimile provided CLEC has provided such information in Section 17.4 below.
- 17.3 Notices will be deemed given as of the earliest of:
 - 17.3.1 the date of actual receipt.
 - 17.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
 - 17.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 17.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT	
NAME/TITLE	Contract Management	
	ATTN: Notices Manager	
FACSIMILE NUMBER	(214) 712-5792	
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website	

^{*}Informational only and not to be considered as an official notice vehicle under this Section.

- 17.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 17. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 17.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the

- change and/or addition in accordance with this Section 17. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 17.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 13. For the State of California The Parties agree to replace Section 29.14 from the Agreement with the following language:

29.14 Notices

- 29.14.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 29.14.1.1 delivered by electronic mail (email).
 - 29.14.1.2 delivered by facsimile.
- 29.14.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 29.14.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 29.14.4 below.
 - 29.14.2.2 delivered by facsimile provided CLEC has provided such information in Section 29.14.4 below.
- 29.14.3 Notices will be deemed given as of the earliest of:
 - 29.14.3.1 the date of actual receipt.
 - 29.14.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
 - 29.14.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 29.14.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT	
NAME/TITLE	Richard Monto SVP	
STREET ADDRESS	1 South Wacker Drive, Suite 200	
CITY, STATE, ZIP CODE	Chicago, IL 60606	
PHONE NUMBER*	312-384-8090	
FACSIMILE NUMBER	312-346-2376	
EMAIL ADDRESS	monto@neutraltandem.com	

	AT&T CONTACT	
NAME/TITLE	Contract Management	
	ATTN: Notices Manager	
FACSIMILE NUMBER	(214) 712-5792	

EMAIL ADDRESS	The current email address as provided on	
	AT&T's CLEC Online website	

*Informational only and not to be considered as an official notice vehicle under this Section.

- 29.14.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 29.14. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 29.14.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 29.14. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 29.14.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 14. For the States of Michigan and Ohio The Parties agree to replace Section 30.10 from the Agreement with the following language:

30.10 Notices

- 30.10.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 30.10.1.1 delivered by electronic mail (email).
 - 30.10.1.2 delivered by facsimile.
- 30.10.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - 30.10.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 30.10.4 below.
 - 30.10.2.2 delivered by facsimile provided CLEC has provided such information in Section 30.10.4 below.
- 30.10.3 Notices will be deemed given as of the earliest of:
 - 30.10.3.1 the date of actual receipt.
 - 30.10.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
 - 30.10.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 30.10.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT	
NAME/TITLE	Richard Monto SVP	
STREET ADDRESS	1 South Wacker Drive, Suite 200	
CITY, STATE, ZIP CODE	Chicago, IL 60606	
PHONE NUMBER*	312-384-8090	
FACSIMILE NUMBER	312-346-2376	
EMAIL ADDRESS	monto@neutraltandem.com	

	AT&T CONTACT	
NAME/TITLE	Contract Management	
	ATTN: Notices Manager	
FACSIMILE NUMBER	(214) 712-5792	
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website	

^{*}Informational only and not to be considered as an official notice vehicle under this Section.

- 30.10.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 30.10. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 30.10.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 30.10. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 30.10.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 15. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC's agreement.
- 16. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
- 17. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

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- 18. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
- 19. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 20. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
- 21. For Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Michigan, Missouri, Nevada, Oklahoma, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

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Exhibit A

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Neutral Tandem-Alabama, LLC	Interconnection	03/04/2008
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Neutral Tandem-Louisiana, LLC	Interconnection	05/14/2008
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Neutral Tandem-Mississippi, LLC	Interconnection	04/08/2008
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Neutral Tandem-North Carolina, LLC	Interconnection	03/27/2008
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Neutral Tandem-South Carolina, LLC	Interconnection	03/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Neutral Tandem-Tennessee, LLC	Interconnection	03/24/2008
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Neutral Tandem-Florida, LLC	Interconnection	07/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Neutral Tandem-Georgia, LLC	Interconnection	07/10/2009
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Neutral Tandem-Kentucky, LLC	Interconnection	05/29/2009

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CLEC Legal Name	Contract Type	Approval Date
Neutral Tandem-Illinois, LLC	Interconnection	02/04/2004
Neutral Tandem-Arkansas, LLC	Interconnection	07/18/2008
Neutral Tandem-Kansas, LLC	Interconnection	09/15/2008
Neutral Tandem-Oklahoma, LLC	Interconnection	09/12/2008
Neutral Tandem-Indiana, LLC	Interconnection	10/27/2005
Neutral Tandem-Missouri, LLC	Interconnection	11/29/2005
Neutral Tandem-Nevada, LLC	Interconnection	09/06/2005
Neutral Tandem-Texas, LLC	Interconnection	10/03/2005
Neutral Tandem-Michigan, LLC	Interconnection	07/22/2004
	Neutral Tandem-Arkansas, LLC Neutral Tandem-Kansas, LLC Neutral Tandem-Oklahoma, LLC Neutral Tandem-Indiana, LLC Neutral Tandem-Missouri, LLC Neutral Tandem-Nevada, LLC	Neutral Tandem-Illinois, LLC Interconnection Neutral Tandem-Arkansas, LLC Interconnection Neutral Tandem-Kansas, LLC Interconnection Neutral Tandem-Oklahoma, LLC Interconnection Neutral Tandem-Indiana, LLC Interconnection Neutral Tandem-Missouri, LLC Interconnection Neutral Tandem-Nevada, LLC Interconnection Neutral Tandem-Nevada, LLC Interconnection Neutral Tandem-Texas, LLC Interconnection

Contract Id: 4924919

Amd-CLEC IVP OSS and LNP Partner, Lifeline/LinkUp, ICC, Forbearance, CIS and Notices/AT&T-21STATE

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AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Neutral Tandem-Michigan, LLC	Interconnection	11/23/2004
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Neutral Tandem-California, LLC	Interconnection	08/06/2004
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Neutral Tandem-Illinois, LLC	Interconnection	07/26/2004

Contract Id: 4924919

Attachment – OS/DA – Exhibit B/AT&T-21STATE Page 1 of 9 NEUTRAL TANDEM Version: 1Q16 - CLEC ICA – 05/05/16

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ATTACHMENT – OPERATOR SERVICES AND DIRECTORY ASSISTANCE - EXHIBIT B (f/k/a CUSTOMER INFORMATION SERVICES)

Attachment – OS/DA – Exhibit B/AT&T-21STATE Page 2 of 9 NEUTRAL TANDEM Version: 1Q16 - CLEC ICA – 05/05/16

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Attachment – OS/DA – Exhibit B/AT&T-21STATE Page 3 of 9 NEUTRAL TANDEM

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1.0 INTRODUCTION

1.1 This Attachment sets forth the rates, terms and conditions under which AT&T-21STATE shall provide Operator Services/Directory Assistance (OS/DA) and Listings.

1.2 OS/DA:

- 1.2.1 This Attachment sets forth the rates, terms and conditions under which the Parties shall jointly carry out OS/DA on a wholesale basis for CLEC End Users residing in AT&T-21STATE's local Exchange territory, regardless of whether CLEC is serving its End Users via:
 - 1.2.1.1 CLEC's own physical Switches; or
 - 1.2.1.2 Resale of AT&T-21STATE Retail OS/DA service.
- 1.2.2 CLEC shall be the retail OS/DA provider to its End Users, and AT&T-21STATE shall be the wholesale provider of OS/DA operations to CLEC. AT&T-21STATE shall answer CLEC's End User OS/DA calls on CLEC's behalf, as follows:
 - 1.2.2.1 When the End User dials 0- or 0+ the telephone number, AT&T-21STATE shall provide the Operator Services described in Section 3.4 below. CLEC may set its own retail OS/DA rates, and CLEC therefore acknowledges its responsibility to obtain (a) End User agreement to the OS/DA retail rates (e.g., by tariff or contract), and (b) any necessary regulatory approvals for its OS/DA retail rates.
 - 1.2.2.2 In response to CLEC End User inquiries about OS/DA rates, where available and technically feasible, AT&T-21STATE operators shall quote CLEC retail OS/DA rates, provided by CLEC (see Section 3.6 below). If further inquiries are made about rates, billing and/or other "business office" questions, AT&T-21STATE's OS/DA operators shall direct the calling party's inquiries to a CLEC-provided contact number (also see Section 3.6 below).
- 1.2.3 CLEC shall pay the applicable OS/DA rates found in the Pricing Sheet based upon CLEC's status as a Facilities-Based CLEC or a reseller. Provided however, CLEC may serve both as a reseller and as a facilities-based provider and CLEC may convert its facilities-based End Users to Resale service, or vice versa, as described below in Section 3.6.7 below.
 - 1.2.3.1 CLEC acknowledges and understands that wholesale OS/DA rates differ between Resale and facilities-based service, and that both types of OS/DA wholesale rates are listed in the Pricing Sheet.
 - 1.2.3.2 Billing and payment details, including the assessment of late payment charges for unpaid balances, are governed by the General Terms and Conditions in this Agreement.

1.3 Listings:

1.3.1 This Attachment sets forth terms and conditions that apply to Resale and Facility-Based CLECs for subscriber listing information provided by AT&T-21STATE.

2.0 <u>DEFINITIONS</u>

- 2.1 "Consolidated Reference Rater (CRR)" provides reference information (business office and repair numbers) and rate quotes for CLEC End Users.
- 2.2 "Facilities-Based CLEC" means a CLEC that provides service through its own switch or a Third Party provider's switch.
- 2.3 "General Assistance" means a service in which the End User dialing 0 asks the OS operator for assistance. The operator will respond in accordance with OS methods and practices that are in effect at the time the End User makes an OS call where available and technically feasible.

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- 2.4 "Listings" means information identifying the listed names of subscribers of carriers and subscribers' telephone numbers, addresses or primary advertising classification or any combination, and that carrier or affiliate has published, caused to be published or accepted for publication in any directory format.
- 2.5 "Services" means Operator Services/Directory Assistance (OS/DA) and Listings.
- 2.6 "Toll Center Code" means the three digit access tandem code ("ATC") that uniquely identifies a tandem switch in the Local Exchange Routing Guide (LERG) designated as providing access to operator services functions.

3.0 OPERATOR SERVICES (OS) / DIRECTORY ASSISTANCE (DA)

- 3.1 Dialing Parity:
 - 3.1.1 AT&T-21STATE will provide OS/DA to CLEC's End Users with no unreasonable dialing delays and at dialing parity with AT&T-21STATE retail OS/DA services.
- 3.2 Response Parity:
 - 3.2.1 Where available and technically feasible, CLEC's End Users shall be answered by AT&T-21STATE's OS and DA platforms with the same priority and using the same methods as for AT&T-21STATE's End Users.
 - 3.2.2 Any technical difficulties in reaching the AT&T-21STATE OS/DA platform (e.g., cable cuts in the OS/DA trunks, unusual OS/DA call volumes, etc.) will be experienced at parity with AT&T-21STATE End Users served via that same AT&T-21STATE End Office Switch.
- 3.3 Requirements to Physically Interconnect:
 - 3.3.1 This section describes the physical interconnection and trunking requirements for a Facilities-Based CLEC to interconnect with AT&T-21STATE's OS/DA switches.
 - 3.3.2 The demarcation point for OS/DA traffic between the Parties' networks need not coincide with the point of interconnection for the physical interconnection of all other inter-carrier voice traffic, but at a minimum must be in the Local Access and Transport Area (LATA) in which the CLEC's OS/DA traffic originates.
 - 3.3.2.1 Because CLEC's switch may serve End Users in more than one LATA, the Parties agree that CLEC's OS/DA traffic originates from the physical location of the End User dialing 0, 411, or 555-1212 and not the physical location of CLEC's switch.
 - 3.3.2.2 To the extent CLEC is serving via circuit-switched wireless technology, the physical location of the End User dialing 0, 411, or 555-1212 shall be deemed the End User's physical billing address, regardless of whether the End User may be roaming at the time of placing the OS/DA call.
 - 3.3.3 The Parties will establish an OS/DA demarcation point at the AT&T-21STATE's OS/DA switch. By mutual agreement, an alternative OS/DA demarcation point may be determined based on the following factors:
 - 3.3.3.1 The size and type of facilities needed to carry CLEC's switch-based OS/DA traffic;
 - 3.3.3.2 Whether CLEC wishes to interconnect for OS or DA, or both;
 - 3.3.3.3 Whether CLEC or CLEC's Affiliate is collocated in an AT&T-21STATE local tandem office and wishes to use the collocation as the OS/DA demarcation point; and
 - 3.3.3.4 Whether CLEC or CLEC's Affiliate already has existing OS/DA facilities in place to the AT&T-21STATE's OS/DA platforms.
 - 3.3.4 CLEC shall be financially responsible for the transport facilities to the AT&T-21STATE's switch(es). CLEC may self-provision these OS/DA facilities, lease them from Third Parties, or lease them from AT&T-21STATE's intrastate Special Access Tariff. CLEC shall remain financially responsible for the transport facilities to the AT&T-21STATE's switch(es) and/or any one-way trunk groups from its designated operator assistance and directory assistance (or OA/DA) switch to the AT&T-21STATE operator assistance switch until CLEC initiates and successfully disconnects such transport facilities and/or trunk groups.
 - 3.3.5 General OS/DA Trunking Requirements:

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- 3.3.5.1 CLEC will initiate an Access Service Request (ASR) for all OS/DA trunk groups from its switch to the appropriate AT&T-21STATE OS/DA switches as a segregated one-way trunk group utilizing Multi-Frequency (MF) signaling. Unless technically infeasible, AT&T-21STATE will provision all such one-way trunk groups in the same manner and at the same intervals as for all other interconnection trunks between the Parties.
- 3.3.5.2 CLEC will employ Exchange Access Operator Services Signaling (EAOSS) from the AT&T-21STATE End Offices to the AT&T-21STATE OS/DA switches that are equipped to accept 10-Digit Signaling for Automatic Number Identification (ANI).
- 3.3.5.3 Where EAOSS is not available, Modified Operator Services Signaling (MOSS) will be utilized, and a segregated one-way trunk group with MF signaling will be established from CLEC to each AT&T-21STATE OS/DA switch for each served Numbering Plan Area (NPA) in the LATA.
- 3.3.6 Specific OS/DA Trunk Groups and Their Requirements
 - 3.3.6.1 Operator Service Trunks:
 - 3.3.6.1.1 CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE OS switch serving OS End Users in that LATA. An OS only trunk group will be designated with the appropriate OS traffic use code and modifier. If the trunk group transports combined OS/DA/DACC over the same trunk group, then the group will be designated with a different traffic use code and modifier for combined services. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2 DA/DA Call Completion (DACC) Trunks:
 - 3.3.6.2.1 Where permitted, CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE DA switch serving DA End Users in that LATA. If the trunk group transports DA/DACC only, but not OS, then the trunk group will be designated with the appropriate DA traffic use code and modifier.
 - 3.3.6.2.2 In AT&T-12STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with a different appropriate traffic use code and modifier from that used for a DA/DACC only trunk group. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2.3 In AT&T SOUTHEAST REGION 9-STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with an appropriate traffic use code and modifier. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
- 3.4 Operator Services Call Processing and Rates:
 - 3.4.1 AT&T-21STATE will assess its OS charges based upon whether the CLEC End User is receiving (a) manual OS (i.e., provided via an operator), or (b) automated OS (i.e., an OS switch equipment voice recognition feature, functioning either fully or partially without operators where available and technically feasible). The Pricing Sheet contains the full set of OS recurring and nonrecurring rates.
 - 3.4.2 AT&T-21STATE will provide OS to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with OS methods and practices in effect at the time the CLEC End User makes an OS call.
- 3.5 Directory Assistance Call Processing and Rates:
 - 3.5.1 AT&T-21STATE DA charges are assessed on a flat rate per call, regardless of call duration. The Pricing Sheet contains the recurring and nonrecurring rates.
 - 3.5.2 AT&T-21STATE will provide DA Services to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with DA Services methods and practices that are in effect

at the time CLEC End User makes a DA call. AT&T-21STATE will provide the following DA services to a CLEC End User:

- 3.5.2.1 <u>Local Directory Assistance</u> Consists of providing published name and telephone number.
- 3.5.2.2 <u>Directory Assistance Call Completion (DACC)</u> A service in which a local or an intraLATA call to the requested number is completed.
- 3.5.2.3 <u>National Directory Assistance (NDA)</u> A service whereby callers may request published name and telephone number outside their LATA or local calling area for any listed telephone number in the United States.
- 3.5.2.4 <u>Reverse Directory Assistance (RDA)</u> Consists of providing listed local and national name and address information associated with a telephone number.
- 3.5.2.5 <u>Business Category Search (BCS)</u> A service whereby callers may request business telephone number listings for a specified category of business, when the name of the business is not known. Telephone numbers may be requested for local and national businesses.
- 3.6 OS/DA Non-recurring Charges for Loading Automated Call Greeting (i.e., Brand Announcement), Rates and Reference Information:
 - 3.6.1 CLEC End Users will hear silence upon connecting with the OS/DA switch. As an alternative to silence, CLEC may custom brand for which custom brand charges will apply.
 - 3.6.1.1 CLEC will provide announcement phrase information, via Operator Services Translations Questionnaire (OSTQ), to AT&T-21STATE in conformity with the format, length, and other requirements specified for all CLECs on the AT&T CLEC Online website.
 - 3.6.1.2 AT&T-21STATE will then perform all of the loading and testing of the announcement for each applicable OS/DA switch prior to live traffic. CLEC may also change its pre-recorded announcement at any time by providing a new announcement phrase in the same manner. CLEC will be responsible for paying subsequent loading and testing charges.
 - 3.6.1.3 CLEC understands that End Users may not perceive silent announcements as ordinary mechanical handling of OS/DA calls.
 - 3.6.1.4 CLEC agrees that if it does not brand the call, CLEC shall indemnify and hold AT&T-21STATE harmless from any regulatory violation, consumer complaint, or other sanction for failing to identify the OS/DA provider to the dialing End User.
 - 3.6.2 AT&T-21STATE will be responsible for loading the CLEC provided recording into all applicable OS and/or DA switches prior to live traffic, testing the announcement for sound quality at parity with that provided to AT&T-21STATE End Users. CLEC will be responsible for paying the initial recording announcement loading charges, and thereafter, the per-call charge as well as any subsequent loading charges if new recordings or silent announcements are provided as specified above.
 - 3.6.3 Branding load charges are assessed per loaded recording, per OCN, per switch. For example, a CLEC Reseller may choose to brand under a different name than its facilities-based operations, and therefore two separate recordings could be loaded into each switch, each incurring the branding or silent load charge. These charges are mandatory, nonrecurring, and are found in the Pricing Sheet.
 - 3.6.4 Where Consolidated Reference Rater ("CRR") is available and technically feasible, the applicable CLEC-charged retail OS/DA rates and a CLEC-provided contact number (e.g., reference to a CLEC business office or repair center) are loaded into the system utilized by the OS operator.
 - 3.6.5 Where CRR is available and technically feasible, AT&T-21STATE will be responsible for loading the CLEC-provided OS/DA retail rates and the CLEC provided contact number(s) into the OS/DA switches. CLEC will be responsible for paying the initial reference and rate loading charges.

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- 3.6.6 CRR load charges are assessed per loaded set of rates/references, where CRR is available and technically feasible, per OCN, per state. For example, a CLEC reseller may choose to rate differently than its Facilities-Based CLEC operations, or may change its rates/references during the life of the contract, and therefore separate sets of rates/references could be loaded for each OCN, per state, with each loading incurring the rate/reference charge. These charges are mandatory, nonrecurring and are found in the Pricing Sheet.
- 3.6.7 Converting End Users from prior branded service to CLEC or silent-branded service, or between Resale and facilities-based service:
 - 3.6.7.1 To the extent that CLEC has already established the branding/silent announcement recording in AT&T-21STATE OS/DA switches for both Resale and facilities-based service, then no nonrecurring charges apply to the conversion of End Users from prior Resale OS/DA wholesale service to facilities-based OS/DA wholesale service, or vice versa.
 - 3.6.7.2 To the extent that CLEC has not established the branding announcement recording in AT&T-21STATE OS/DA switches for Resale and/or facilities-based service, then non-recurring charges apply to set up the OS/DA call for the new type of service, as is described in Section 3.6 above, and at the rates set forth in the Pricing Sheet.

4.0 LISTINGS

- 4.1 General Provisions:
 - 4.1.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of listings, AT&T-21STATE will make available to CLEC, for CLEC End Users, non-discriminatory access to listings, as described herein.
 - 4.1.2 AT&T-21STATE will meet state requirements to make available listings through itself or a contracted vendor to provide listings for its ILEC Territory, as defined in the General Terms and Conditions of this Agreement.
- 4.2 Responsibilities of the Parties:
 - 4.2.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE will include in appropriate white pages directories the primary alphabetical listings of CLEC End Users located within the AT&T-21STATE ILEC Territory. When CLEC provides its subscriber listing information to AT&T-21STATE listings database, CLEC will receive for its End User, one primary listing in AT&T-21STATE white pages directory and a listing in AT&T-21STATE's DA database at no charge, other than applicable service order charges as set forth in the Pricing Sheet.
 - 4.2.1.1 Except in the case of a Local Service Request (LSR) submitted solely to port a number from AT&T SOUTHEAST REGION 9-STATE, if such listing is requested on the initial LSR associated with the request for services, a single manual service order charge or electronic service order charge, as appropriate, will apply to both the request for service and the request for the directory listing. Where a subsequent LSR is placed solely to request a directory listing, or is placed to port a number and request a directory listing, separate service order charges as set forth in AT&T-21STATE's tariffs shall apply, as well as the manual service order charge or the electronic service order charge, as appropriate.
 - 4.2.1.2 Listing Information Confidentiality:
 - 4.2.1.2.1 AT&T-21STATE will afford CLEC's directory listing information the same level of confidentiality that AT&T-21STATE affords its own directory listing information.
 - 4.2.1.3 Unlisted/Non-Published End Users:
 - 4.2.1.3.1 CLEC will provide to AT&T-21STATE the names, addresses and telephone numbers of all CLEC End Users who wish to be omitted from directories. Non-listed/Non-Published listings will be subject to the rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings.

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4.2.1.4 Additional Listings:

- 4.2.1.4.1 Where a CLEC End User requires listings in addition to the primary listing to appear in the white pages directory, AT&T-21STATE will offer such listings at rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings. CLEC shall furnish to AT&T-21STATE subscriber listing information pertaining to CLEC End Users located within the AT&T-21STATE ILEC Territory, along with such additional information as AT&T-21STATE may be required to include in the alphabetical listings of said directory. CLEC shall refer to the AT&T CLEC Online website for methods, procedures and ordering information.
- 4.2.2 CLEC will provide accurate subscriber listing information of its subscribers to AT&T-21STATE via a mechanized feed of the directory listing information to AT&T-21STATE's Directory Listing database. CLEC agrees to submit all listing information via a mechanized process within six (6) months of the Effective Date of this Agreement, or upon CLEC reaching a volume of two hundred (200) listing updates per day, whichever comes first. CLEC's subscriber listings will be interfiled (interspersed) in the directory among AT&T-21STATE's subscriber listing information. CLEC will submit listing information within one (1) business day of installation, disconnection or other change in service (including change of non-listed or non-published status) affecting the DA database or the directory listing of a CLEC End User. CLEC must submit all listing information intended for publication by the directory close (a/k/a last listing activity) date.
- 4.2.3 Distribution of Directories:
 - 4.2.3.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, each CLEC subscriber may receive one copy per primary End User listing, as provided by CLEC, of the appropriate AT&T-21STATE white pages directory in the same manner, format and at the same time that they are delivered to AT&T-21STATE's subscribers.
- 4.2.4 AT&T-21STATE shall direct its publishing vendor to offer CLEC the opportunity to include in the "Information Pages", or comparable section of its white pages directories (covering the territory where CLEC is certified to provide local service), information provided by CLEC for CLEC installation, repair, customer service and billing information.
- 4.2.5 Use of Subscriber Listing Information:
 - 4.2.5.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE agrees to serve as the single point of contact for all independent and Third Party directory publishers who seek to include CLEC's subscriber (i.e., End User) listing information in an area directory, and to handle the CLEC's subscriber listing information in the same manner as AT&T-21STATE's subscriber listing information. In exchange for AT&T-21STATE serving as the single point of contact and handling all subscriber listing information equally, CLEC authorizes AT&T-21STATE to include and use the CLEC subscriber listing information provided to AT&T-21STATE DA databases, and to provide CLEC subscriber listing information to directory publishers. Included in this authorization is release of CLEC listings to requesting competing carriers as required by Section 271(c)(2)(B)(vii)(II) and Section 251(b)(3) and any applicable state regulations and orders. Also included in this authorization is AT&T-21STATE's use of CLEC's subscriber listing information in AT&T-21STATE's DA, DA related products and services, and directory publishing products and services.
 - 4.2.5.2 AT&T-21STATE further agrees not to charge CLEC for serving as the single point of contact with independent and Third Party directory publishers, no matter what number or type of requests are fielded. In exchange for the handling of CLEC's subscriber list information to directory publishers. CLEC agrees that it will receive no compensation for AT&T-21STATE's receipt of the subscriber list information or for the subsequent release of this information to directory publishers. Such CLEC subscriber list information shall be interfiled (interspersed) with AT&T-21STATE's subscriber

list information and the subscriber list information of other companies that have authorized a similar release of their subscriber list information by AT&T-21STATE.

- 4.2.6 CLEC further agrees to pay all costs incurred by AT&T-21STATE and/or its Affiliates as a result of CLEC not complying with the terms of this Attachment.
- 4.2.7 This Attachment shall not establish, be interpreted as establishing, or be used by either Party to establish or to represent their relationship as any form of agency, partnership or joint venture.
- 4.2.8 Breach of Contract:
 - 4.2.8.1 If either Party is found to have materially breached the Listings terms of this Attachment, the non-breaching Party may terminate the Listings terms of this Attachment by providing written Notice to the breaching Party, whereupon this Attachment shall be null and void with respect to any issue of white pages directory published sixty (60) or more calendar days after the date of receipt of such written Notice. CLEC further agrees to pay all costs incurred by AT&T-21STATE and/or its Affiliates and vendor as a result of such CLEC breach.
- 4.2.9 General Conditions for Listings:
 - 4.2.9.1 Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any Listings Service offerings that are provided under this Attachment on ninety (90) days' written notice in the form of an Accessible Letter.
 - 4.2.9.2 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of Listings products and/or services to CLEC End Users under this Section.

5.0 GENERAL CONDITIONS FOR OPERATOR SERVICES (OS), DIRECTORY ASSISTANCE (DA)

- Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any OS and/or DA feature of Service(s) offerings that are provided under this Attachment on one hundred eighty (180) days' written notice in the form of an Accessible Letter.
- 5.2 Termination:
 - 5.2.1 If the CLEC terminates OS and/or DA service prior to the expiration of the term of this Agreement, CLEC shall pay AT&T-21STATE, within thirty (30) calendar days of the issuance of any bills by AT&T-21STATE, all amounts due for actual services provided under this Attachment, plus estimated monthly charges for the remainder of the term. Estimated charges will be based on an average of the actual monthly amounts billed by AT&T-21STATE pursuant to this Attachment prior to its termination. The rates applicable for determining the amount(s) under the terms outlined in this Section are those specified in the Pricing Sheet.
- 5.3 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of OS and/or DA products/services to CLEC End Users under this Attachment.

6.0 <u>TERMINATION – ENTIRE ATTACHMENT – OPERATOR ASSISTANCE AND DIRECTORY</u> ASSISTANCE SERVICES

The Parties reserve the right to suspend or terminate, without penalty, this Attachment in its entirety on one hundred eighty (180) days' written notice. The Attachment will be coterminous with the ICA or will continue until the Party desiring to terminate this Attachment provides one hundred eighty (180) days' written Notice to the other Party of the date the Attachment will terminate ("Termination Date"), whichever date is earlier.

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6 AL OPERATOR CALL PROCESSING Using BST LIDB Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB BRANDING - OPERATOR CALL Operator Services - Rate Reference Initial Load per state per OCN BRANDING - OPERATOR CALL Operator Services - Rate Reference Subsequent Load per state per OCN BRANDING - OPERATOR CALL Operator Services - Rate Reference Subsequent Load per state per OCN AL BRANDING - DIRECTORY ASSISTANCE Order) AL BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per OCN (1 OCN per OCN) BRANDING - OPERATOR CALL Unbranding - Loading of DA per Switch per OCN BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per Switch per OCN BRANDING - OPERATOR CALL Unbranding - Loading of DA per Switch per OCN BRANDING - OPERATOR CALL Unbranding - Loading of DA per OCN (Regional) 1,200.00 1,200.	6	AL	OPERATOR CALL PROCESSING	Using Foreign LIDB				1.24			Minute
6 AL OPERATOR CALL PROCESSING Using Foreign LIDB BRANDING - OPERATOR CALL Operator Services - Rate Reference Initial Load per state per OCN BRANDING - OPERATOR CALL Operator Services - Rate Reference Subsequent Load Operator Services - Rate Reference Initial Load per State per OCN Operator Services - Rate Reference Initial Load per State per OCN Operator Services - Rate Reference Initial Load per State per OCN Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Subsequent Load Operator Services - Rate Reference Initial Load per Services - Rate	6	AL	OPERATOR CALL PROCESSING	Using BST LIDB				0.20			call
6 AL PROCESSING state per OCN BRANDING - OPERATOR CALL Operator Services - Rate Reference Subsequent Load per state per OCN AL PROCESSING Order) 6 AL BRANDING - DIRECTORY ASSISTANCE Order) 6 AL BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per Switch per OCN BRANDING - OPERATOR CALL BRANDING - OPERATOR CALL Order) 6 AL PROCESSING Unbranding - Loading of DA per Switch per OCN BRANDING - OPERATOR CALL Unbranding - Loading of OA per OCN (Regional) 1,200.00 1,200.00 OCN	6	AL		Using Foreign LIDB				0.20			call
6 AL PROCESSING per state per OCN 1,500.00 per state per ocn 6 AL BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per OCN (1 OCN per Ocn 420.00 420.00 OCN 6 AL BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per Switch per OCN 16.00 16.00 per Switch per Switch per OCN 6 AL PROCESSING Unbranding - Loading of OA per OCN (Regional) 1,200.00 1,200.00 OCN	6	AL	PROCESSING	state per OCN					5,000.00		per state per OCN
6 AL BRANDING - DIRECTORY ASSISTANCE Order) 420.00 OCN 6 AL BRANDING - DIRECTORY ASSISTANCE Unbranding - Loading of DA per Switch per OCN BRANDING - OPERATOR CALL Onder Switch per OCN AL PROCESSING Unbranding - Loading of OA per OCN (Regional) 1,200.00 1,200.00 OCN	6	AL		per state per OCN						1,500.00	per state per OCN
BRANDING - OPERATOR CALL 6 AL PROCESSING Unbranding - Loading of OA per OCN (Regional) 1,200.00 OCN	6	AL	BRANDING - DIRECTORY ASSISTANCE						420.00	420.00	OCN
6 AL PROCESSING Unbranding - Loading of OA per OCN (Regional) 1,200.00 1,200.00 OCN	6	AL		Unbranding - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
RPANDING - OPERATOR CALL Loading of OA Custom Branded Appropriate to the Control of the Control of Control	6	AL	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)					1,200.00		OCN
6 AL PROCESSING Switch per OCN 1,170.00 per Switch per OCN	6	AL	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per					1,170.00		per Switch per OCN
initial listin	6			,				0.00			initial listing is no charge

						Monthly Recurring	Non- Recurring Charge (NRC)	Non- Recurring Charge (NRC)	
Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone Charge (MRC)	First	Additional	Per Unit
									See Tariffs and / or
6	AL	DIRECTORY LISTING PRODUCT	Non Published / Non List / Additional Directory Listings						Service Guidebook
6		DIRECTORY LISTING PRODUCT OTHER RESALE - DIRECTORY	Non Published / Non List / Additional Directory Listings						
6			Non Published / Non List / Additional Directory Listings Directory Assistance Services			16.30%	N/A	N/A	Service Guidebook
6	AL	OTHER RESALE - DIRECTORY				16.30%	N/A	N/A	Service Guidebook Flat Rate Discount

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ļ							Manthh	Non-	Non-	
ļ							Monthly	Recurring	Recurring	
Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Zono	Recurring Charge (MRC)		Charge (NRC) Additional	Per Unit
Attachment	State	Product	Rate Element Description	COS (Class of Service)	0300	Zone	Charge (WKC)	FIISt	Additional	Per Unit
ļ		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as							
2MR-AT	AR	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU (Effective through 6/30/17)		ZZUR2		\$ 0.0007	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as				•			
2MR-AT	AR	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Optional EAS Transport and Termination per MOU							
2MR-AT	AR	TRANSPORT AND TERMINATION)	(Effective 7/1/2015 – 6/30/2016)		ZZUR2		\$ 0.0058000	NA	NA	MOU
2MR-AT	A D	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU (Effective 7/1/2016 – 6/30/2017)		ZZUR2		\$ 0.0007	NA	NIA	MOU
ZIVIR-A I	AR	LOCAL INTERCONNECTION (CALL	Optional EAS Transport and Termination per MOU		ZZURZ		\$ 0.0007	INA	NA	IVIOU
2MR-AT	AR	TRANSPORT AND TERMINATION)	(Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	AR	Transit Traffic Service	Transiting OCA - Optional Area		ZZORZ		\$ 0.004000			per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 3		ZZUTN	3	\$ 0.002137			per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 2		ZZUTN	2	\$ 0.002152	NA NA	NA	per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 1		ZZUTN	1	\$ 0.002251			per minute of use
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$ 0.40			per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$ 0.40	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	
6		DIRECTORY ASSISTANCE SERVICES DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call		ZZUO7 ZZUO5		\$ 0.15			per call per call
6	AR	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit		ZZU06		\$ 0.65			per call
6		DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$ 0.65			per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call		ZZUO8		\$ 0.65			per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit		ZZUO9		\$ 0.65	NA	NA	per call
ļ			Directory Assistance - Branding - Initial/Subsequent							
6	AR	BRANDING - DIRECTORY ASSISTANCE	Load - per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per OCN, per switch
	A D	DRANDING DIRECTORY ACCISTANCE	Discotor: Assistance Departing assistance		771100		ф 0.000	NIA	NIA	
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - per call Directory Assistance - Rate Reference Initial Load - per		ZZUCB		\$ 0.030	NA	NA	per call
6	AR	BRANDING - DIRECTORY ASSISTANCE	state, per OCN		NRBDL		NA	\$ 5,000.00	NΔ	per state, per OCN
0	7413	BICANDING BIREGIGIA AGGIGIANGE	Directory Assistance - Rate Reference Subsequent		IVINDDL		147	Φ 3,000.00	14/4	per state, per corv
6	AR	BRANDING - DIRECTORY ASSISTANCE	Load - per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							initial listing is no
6	AR	DIRECTORY LISTING PRODUCT	White Page Directory Listings					NA	NA	charge
										See Tariffs and / or
6	AR	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	
6	AR	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA NA	NA	per completed automated call
0	AK	OPERATOR CALL PROCESSING	Operator Assisted Call Processing All Types per work		22001		\$ 0.15	INA	INA	automated call
6	AR	OPERATOR CALL PROCESSING	second		ZZUO2		\$ 0.030	NA	NA	per work second
	7.11	BRANDING - OPERATOR CALL	Operator Services - Branding - Initial/Subsequent Load -		ZEGGE		ψ 0.000	10.	101	por work occoria
6	AR	PROCESSING	per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per state per OCN
		BRANDING - OPERATOR CALL								·
6	AR	PROCESSING	Operator Services - Branding - per call		ZZUCB		\$ 0.030	NA	NA	per call
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load - per							
6	AR	PROCESSING	state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state per OCN
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load - per state, per OCN		NRBDM		NIA	\$ 1,500.00	NA	per state per OCN
O	AK	OTHER RESALE - DIRECTORY	per state, per OCIV		INIDDIN		NA	φ 1,500.00	INA	Flat Rate Discount
6	AR	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				14.50%	. NA	NA	for Resale
		OTHER RESALE - DIRECTORY	, , , , , , , , , , , , , , , , , , , ,				5070	1		Flat Rate Discount
6	AR	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				14.50%	NA NA	NA	for Resale
		ASSISTANCE/OPERATOR SERVICES OTHER RESALE - DIRECTORY	Directory Assistance Services							for Resa Flat Rate Dis

		T	T						
								Non-	Non-
							Monthly	Recurring	Recurring
							•		
	01-1-	Product	Data Flamous Bassadadas	COS (Class of Service)	usoc	-	Recurring	Charge (NRC) First	Additional Per Unit
Attachment	State	Product	Rate Element Description Rate for All ISP-Bound Traffic and Section 251(b)(5)	COS (Class of Service)	0500	Zone	Charge (MRC)	FIRST	Additional Per Unit
		LOCAL INTERCONNECTION (CALL	Traffic as per FCC 01-131, per MOU (Effective Through						
2MR-AT	CA	TRANSPORT AND TERMINATION)	6/30/17)				\$ 0.000700		MOU
ZIVIIX-AT	UA.	LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as				Ψ 0.000700		WiCC
2MR-AT	CA	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)				\$0.00		MOU
2MR-AT		TRANSIT TRAFFIC SERVICE	CALL SET UP - Setup Charge Per Call	L1T++	GMC00		\$0.001130		per call
2MR-AT	CA	TRANSIT TRAFFIC SERVICE	CALL DURATION - Duration Charge per MOU	L1T++	GMD00		\$0.002770		MOU
6	CA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Rate, per call				\$ 0.40		Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call				\$ 0.65		Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call				\$ 0.65		Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call				\$ 0.65		Per Call
			Express Call Completion/Directory Assistance Call						
6	CA	DIRECTORY ASSISTANCE SERVICES	Completion (DACC) - Rate per call				\$ 0.15		Per Call
			Express Call Completion/Directory Assistance Call						
			Completion (DACC) - Call Completion LATA Wide - Per						
6	CA	DIRECTORY ASSISTANCE SERVICES	MOU				\$ 0.00436		Per Call
		DRANDING BIRECTORY ACCIDENAGE	Branding - Other - Initial/Subsequent Load, per switch,	202	554415				A 4000 00 11 1 00 11
6	CA	BRANDING - DIRECTORY ASSISTANCE	per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00 per switch, per OCN
6	CA	BRANDING - DIRECTORY ASSISTANCE	Branding and Reference/Rate Look Up, per DA Call				\$ 0.03		DA call
0	CA	BRANDING - DIRECTOR I ASSISTANCE	Branding and Reference/Rate Look op, per DA Call				φ 0.03		DA Call
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5.000.00	per state, per OCN
	0,1	DIGITAL DIRECTOR FROM THOSE	Trate reference milital Edda, per state, per dere				10.	Ψ 0,000.00	por state, per cert
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00 per state, per OCN
-		BRANDING - OPERATOR CALL	Branding - Other - Initial/Subsequent Load, per switch,						, , , , , , , , , , , , , , , , , , ,
6	CA	PROCESSING	per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00 per switch, per OCN
		BRANDING - OPERATOR CALL							
6	CA	PROCESSING	Branding and Reference/Rate Look Up, per OS Call				\$ 0.03		OS call
		BRANDING - OPERATOR CALL							
6	CA	PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	per state, per OCN
		BRANDING - OPERATOR CALL							
6		PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00 per state, per OCN
6	CA	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call				\$ 0.15		call
		00504700 0444 0000500440	Operator - Assisted Call Processing - All Types, per				• • • • • •		
6	CA	OPERATOR CALL PROCESSING	work second				\$ 0.03		work second initial listing is no
6	CA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00 charge
В	CA	DIRECTORT LISTING PRODUCT	White rage Directory Listings		+		φ0.00	φυ.υυ	See Tariffs and / or
6	CA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						Service Guidebook
U	OA.	OTHER RESALE - DIRECTORY	TYOTT GOTTOG / TYOTI LIST / Additional Directory Listings						Flat Rate Discount
6	CA	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				17.00%	N/A	N/A for Resale
	0,1	OTHER RESALE - DIRECTORY	2.100.0., 7.00.0ta100 Oot 11000		+		17.5070	14/73	Flat Rate Discount
6	CA	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				17.00%	N/A	N/A for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	FL	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective through 6/30/17)				0.0007			MOU
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	FL	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000035			MILE/MOU
ZIVIN-AT	1 -	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective				0.0000033			WILE/WOO
2MR-AT	FL	TRANSPORT AND TERMINATION)	7/1/2018)				0.00bk			MILE/MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU							
2MR-AT	FL	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	(Effective through 6/30/18) Common Transport - Facilities Termination Per MOU				0.0004372			MOU
2MR-AT	FL	TRANSPORT AND TERMINATION)	(Effective 7/1/2018)				0.00bk			MOU
ZIVIICAT	- ' -	TRAINER ORT AND TERMINATION	Recording and Provisioning of DA Custom Branded				0.0001			IVIOO
6	FL	BRANDING - DIRECTORY ASSISTANCE	Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
			Loading of Custom Branded Announcement per Switch							
6	FL	BRANDING - DIRECTORY ASSISTANCE	per OCN Directory Assistance Access Service Calls, Charge Per	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	FL	DIRECTORY ASSISTANCE SERVICES	Call				0.31			Per Call
0	- ' -	BIREGIGITI AGGIGTANGE GERVIGEG	Directory Assistance Call Completion Access Service				0.51			i ci dali
6	FL	DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call				0.10			Per Call
			Directory Assistance - Rate Reference Initial Load per							
6	FL	BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent					5,000.00		per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Load per state per OCN						1 500 00	per state per OCN
- U		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial						1,000.00	per diate per cert
6	FL	SERVICE (DADS)	Load, per listing					0.04		listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-							11. 41
6	FL	SERVICE (DADS) DIRECTORY ASSISTANCE DATABASE	Update, per listing Directory Assistance Database Service (DADS)-Monthly				0.04			listing
6	FL	SERVICE (DADS)	Recurring Fee				150.00			monthly
		BRANDING - OPERATOR CALL	riosannig i so				100.00			oy
6	FL	PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	
		BRANDING - OPERATOR CALL	Loading of Custom Branded OA Announcement per		00.404			500.00	=00.00	per shelf/NAV per
6	FL	PROCESSING	shelf/NAV per OCN Oper. Call Processing - Oper. Provided, Per Min	AMT	CBAOL			500.00	500.00	OCN
6	FL	OPERATOR CALL PROCESSING	Using BST LIDB				1.20			minute
		or Environ or externitions	Oper. Call Processing - Oper. Provided, Per Min				20			
6	FL	OPERATOR CALL PROCESSING	Using Foreign LIDB				1.24			minute
		ODEDATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call -				0.00			Day Call
6	FL	OPERATOR CALL PROCESSING	Using BST LIDB Oper. Call Processing - Fully Automated, per Call -				0.20			Per Call
6	FL	OPERATOR CALL PROCESSING	Using Foreign LIDB				0.20			Per Call
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per							
6	FL	PROCESSING	state per OCN					5,000.00		per state per OCN
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Subsequent Load						4 500 00	
6	FL	PROCESSING	per state per OCN Unbranding via OLNS - Loading of DA per OCN (1 OCN					1	1,500.00	per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	per Order)					420.00	420.00	OCN
			Unbranding via OLNS - Loading of DA per Switch per							
6	FL	BRANDING - DIRECTORY ASSISTANCE	OCN CONTRACTOR OF THE CONTRACT			1		16.00	16.00	per Switch per OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Unbranding via OLNS - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
О	FL	BRANDING - OPERATOR CALL	Loading of OA Custom Branded Announcement per					1,200.00	1,200.00	UCN
6	FL	PROCESSING	Switch per OCN					1,170.00	1,170.00	per Switch per OCN
								·	,	initial listing is no
6	FL	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	charge

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	FL	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						See Tariffs and / or Service Guidebook
6		OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			21.83% (Res) 16.81% (Bus)		N/A	Flat Rate Discount for Resale
6		OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			21.83% (Res) 16.81% (Bus)		N/A	Flat Rate Discount for Resale

		T			1		1	
Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Recurring Charge (NRC) Zone Charge (MRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as					
2MR-AT	GA	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective through 6/30/17)			0.0007		MOU
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as					
2MR-AT	GA	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)			0.00bk		MOU
ONAD AT	0.4	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective			0.0000000		NAU 5/04011
2MR-AT	GA	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	through 6/30/18) Common Transport - Per Mile, Per MOU (Effective			0.0000028		MILE/MOU
2MR-AT	GA	TRANSPORT AND TERMINATION)	7/1/2018)			0.00bk		MILE/MOU
ZiviiC7Ci	0,1	LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU			0.00DK		WILLYWIGO
2MR-AT	GA	TRANSPORT AND TERMINATION)	(Effective through 6/30/18)			0.0001955		MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU					
2MR-AT	GA	TRANSPORT AND TERMINATION)	(Effective 7/1/2018)			0.00bk		MOU
6	GA	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA	3,000.00	3,000.00	announcement
В	GA	BRAINDING - DIRECTOR F ASSISTANCE	Loading of Custom Branded Announcement per Switch	AIVII	CDADA	3,000.00	3,000.00	announcement
6	GA	BRANDING - DIRECTORY ASSISTANCE	per OCN	AMT	CBADC	1,170.00	1.170.00	per Switch per OCN
			Directory Assistance Access Service Calls, Charge Per			,	,	
6	GA	DIRECTORY ASSISTANCE SERVICES	Call			0.31		Per Call
_			Directory Assistance Call Completion Access Service					
6	GA	DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call Directory Assistance - Rate Reference Initial Load per			0.10		Per Call
6	GA	BRANDING - DIRECTORY ASSISTANCE	state per OCN			5.000.00		per state per OCN
- 0	- OA	BRANDING BIREGIGKI AGGIGIANGE	Directory Assistance - Rate Reference Subsequent			3,000.00	,	per state per corv
6	GA	BRANDING - DIRECTORY ASSISTANCE	Load per state OCN				1,500.00	per state per OCN
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial					
6	GA	SERVICE (DADS)	Load, per listing			0.04	1	listing
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)- Update, per listing			0.04		listing
0		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly			0.04		listing
6	GA	SERVICE (DADS)	Recurring Fee			150.00		monthly
		BRANDING - OPÉRATOR CALL						·
6	GA	PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS	7,000.00	7,000.00	announcement
6	C 4	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL	500.00	500.00	per shelf/NAV per OCN
В	GA	PROCESSING	Oper. Call Processing - Oper. Provided, Per Min	AIVII	CBAUL	500.00	500.00	OCIN
6	GA	OPERATOR CALL PROCESSING	Using BST LIDB			1.20		Minute
			Oper. Call Processing - Oper. Provided, Per Min					
6	GA	OPERATOR CALL PROCESSING	Using Foreign LIDB			1.24		Minute
_			Oper. Call Processing - Fully Automated, per Call -					
6	GA	OPERATOR CALL PROCESSING	Using BST LIDB Oper. Call Processing - Fully Automated, per Call -			0.20		Per Call
6	GA	OPERATOR CALL PROCESSING	Using Foreign LIDB			0.20		Per Call
, , , , , , , , , , , , , , , , , , ,	O/A	BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per			0.20		i di Qali
6	GA	PROCESSING	state per OCN			5,000.00		per state per OCN
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Subsequent Load					
6	GA	PROCESSING	per state per OCN				1,500.00	
	C 4	DIDECTORY LISTING PROPUST	White Dage Directory Lieting			0.00	0.00	initial listing is no
6	GA	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00 0.00	0.00	charge See Tariffs and / or
6	GA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings					Service Guidebook
, in the second		BRANDING - OPERATOR CALL	Loading of OA Custom Branded Announcement per					
6	GA	PROCESSING	Switch per OCN			N/A 1,170.00	1,170.00	per switch per OCN

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6		OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			20.30% (Res) 17.30% (Bus)		N/A	Flat Rate Discount for Resale
6		OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			20.30% (Res) 17.30% (Bus)		N/A	Flat Rate Discount for Resale
6	GA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)			N/A		420.00	OCN
6		BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN			N/A	16.00	16.00	per switch per OCN
6		BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)			N/A	1,200.00	1,200.00	OCN

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as						
2MR-AT		TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective through 6/30/17)	OHU	USG15	0.0007			MOU
ZIVIN-AT		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as	OHO	03013	0.0007			IVIOU
2MR-AT		TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15	\$0.00			MOU
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN	\$0.40	NA		per call
, and the second		5.1.2010117.1001017.1102 GE1111020	Directory Assistance National Directory Assistance	,,, <u>,</u>	0. 2.1	φοιτο			por oun
6	IL	DIRECTORY ASSISTANCE SERVICES	(NDA), per call	XPU	OPEN	\$0.65	NA		per call
			Directory Assistance Reverse Directory Assistance	-					
6	IL	DIRECTORY ASSISTANCE SERVICES	(RDA), per call	XPU	OPEN	\$0.65	NA		per call
			Directory Assistance Business Category Search (BCS) /						
6	IL	DIRECTORY ASSISTANCE SERVICES	where applicable, per call	XPU	OPEN	\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN	\$0.15	NA		per call
		OPERATOR SERVICES/DIRECTORY							
_		ASSISTANCE AUTOMATED CALL	Branding - Other - Initial/Subsequent Load, per switch						
6		GREETING	per OCN			NA	\$1,800.00	\$1,800.00	per switch, per OCN
		OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL							
6		GREETING	Broading and Before 1 and United CO/DA and	XPU	OPEN	\$0.03	NA		per OS/DA call
б		OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN	\$0.03	NA NA		per OS/DA call
6		GREETING	Branding - Initial/Subsequent Load - per trunk group			NA	\$800.00	\$800.00	per trunk group
0		OPERATOR SERVICES/DIRECTORY	Branding milital/oubsequent Load per trunk group			197	ψ000.00	Ψ000.00	per trunk group
6		ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN			NA	\$5,000.00		per state, per OCN
		OPERATOR SERVICES/DIRECTORY	, p, p			1 1 1	40,000.00		p 0. 0.0.10, p 0. 0 0. 1
6	IL .	ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN			NA		\$1.500.00	per state, per OCN
			Operator Services Fully Automated Call Processing, per					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
6	IL	OPERATOR CALL PROCESSING	call	XPU	OPEN	\$0.15	NA	NA	per call
			Operator Assisted Call Processing All Types, per						
6	IL	OPERATOR CALL PROCESSING	work second	XPU	OPEN	\$0.03	NA	NA	per work second
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for initial load			NA	\$0.04	NA	per listing
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for subsequent updates			\$0.06	NA	NA	per listing
						See IL. C.C			
		DEGALE ADDITION DE DIGGGE ::: := :				No. 22 Tariff			
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Directory Assistance			(Part 22)	NA		discount
						See IL. C.C No. 22 Tariff			
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Operator Assistance Services				NA		diagount
В	IL	KESALE APPLICABLE DISCOUNTS	Resale Local Operator Assistance Services			(Part 22)	NA		discount initial listing is no
6	IL	DIRECTORY LISTING PRODUCT	White Page Directory Listings			\$0.00	\$0.00	\$0.00	charge
		22516((1.261),101)(0.260)				ψ0.00	ψ0.00	ψ0.00	See Tariffs and / or
6	IL	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings						Service Guidebook
T T		OTHER RESALE - DIRECTORY	The second secon						Flat Rate Discount
6		ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				N/A	N/A	for Resale
		OTHER RESALE - DIRECTORY					·		Flat Rate Discount
6	IL .	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				N/A	N/A	for Resale

Attachment State Product Rate Element Description COS (Class of Service) USOC Zone Charge (MRC) Charge (MRC) Charge (MRC) Charge (MRC) First Additional Control of Charge (MRC) Charge (MRC	ing NRC)
2MR-AT IN TRANSPORT AND TERMINATION) per FCC-01-131, per MOU (Effective Through 6/30/17) OHU USG15 0.0007 LOCAL INTERCONNECTION (CALL Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17) OHU USG15 \$0.00 2MR-AT IN TRANSPORT AND TERMINATION) per FCC-01-131, per MOU (Effective 7/01/17) OHU USG23 \$0.004388 NA 2MR-AT IN Transit Traffic Service Tandem Switching OHU USG20 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (RDA), per call XPU OPEN \$0.65 NA Business Category Search (BCS) / where applicable,	NA per minute of use NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN TRANSPORT AND TERMINATION) per FCC-01-131, per MOU (Effective Through 6/30/17) OHU USG15 0.0007 LOCAL INTERCONNECTION (CALL Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17) OHU USG15 \$0.00 2MR-AT IN TRANSPORT AND TERMINATION) per FCC-01-131, per MOU (Effective 7/01/17) OHU USG23 \$0.004388 NA 2MR-AT IN Transit Traffic Service Tandem Switching OHU USG20 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$0.65 NA Business Category Search (BCS) / where applicable,	NA per minute of use NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Switching OHU USG23 \$0.004388 NA 2MR-AT IN Transit Traffic Service Tandem Termination OHU USG20 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Termination OHU USG21 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000095 NA 2MR-AT IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (NDA), per call XPU OPEN \$0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (NDA), per call XPU OPEN \$0.65 NA Business Category Search (BCS) / where applicable,	NA per minute of use NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Switching OHU USG23 \$0.004388 NA 2MR-AT IN Transit Traffic Service Tandem Termination OHU USG20 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Termination OHU USG20 \$0.00095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA 8 USG15 SOLUTION OPEN \$ 0.65 NA 8 USG16 SOLUTION OPEN \$ 0.65 NA 8 USG17 SOLUTION OPEN \$ 0.65 NA 8 USG17 SOLUTION OPEN \$ 0.65 NA 8 USG18 SOLUTION OPEN \$ 0.65 NA 8 USG18 SOLUTION OPEN \$ 0.65 NA 8 USG18 SOLUTION OPEN \$ 0.65 NA 8 USG19 SOLUTION OPEN \$ 0	NA per minute of use NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Termination OHU USG20 \$0.000095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Termination OHU USG20 \$0.000095 NA 2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	NA per minute of use per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	per minute of use, NA per mile NA per call NA per call
2MR-AT IN Transit Traffic Service Tandem Facility - per mile OHU USG21 \$0.000056 NA 6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	per minute of use, NA per mile NA per call NA per call
6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	NA per mile NA per call NA per call
6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance, per call XPU OPEN \$ 0.40 NA 6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	NA per call NA per call
6 IN DIRECTORY ASSISTANCE SERVICES National Directory Assistance (NDA), per call XPU OPEN \$ 0.65 NA 6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	NA per call
6 IN DIRECTORY ASSISTANCE SERVICES Reverse Directory Assistance (RDA), per call XPU OPEN \$ 0.65 NA Business Category Search (BCS) / where applicable,	
Business Category Search (BCS) / where applicable,	
C IN DIDECTORY ACCIOTANCE CERVICES	
6 IN DIRECTORY ASSISTANCE SERVICES per call XPU OPEN \$ 0.65 NA	NA per call
6 IN DIRECTORY ASSISTANCE SERVICES Directory Assistance Call Completion (DACC), per call XPU OPEN \$ 0.15 NA OPERATOR SERVICES/DIRECTORY	NA per call
ASSISTANCE AUTOMATED CALL Branding - Other - Initial/Subsequent Load, per switch,	100 00 per quitab per CCN
6 IN GREETING per OCN \$ 1,800.00 \$ 1, OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL	00.00 per switch, per OCN
6 IN GREETING Branding and Reference/Rate Look Up, per OS/DA call XPU OPEN \$ 0.03 NA	NA per OS/DA call
OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL	por oorbridaii
6 IN GREETING Branding per Trunk Group NA \$800.00	
OPERATOR SERVICES/DIRECTORY	
6 IN ASSISTANCE RATE/REFERENCES Rate Reference - Initial Load, per state, per OCN NA \$ 5,000.00	NA per state, per OCN
OPERATOR SERVICES/DIRECTORY	
	00.00 per state, per OCN
6 IN OPERATOR CALL PROCESSING Fully Automated Call Processing, per call XPU OPEN \$ 0.15 NA	NA per call
Operator Assisted Call Processing All Types, per 6 IN OPERATOR CALL PROCESSING work second XPU OPEN \$ 0.03 NA	NA per work second
6 IN DIRECTORY LISTING PRODUCT DA Listing - per listing for initial load NA \$ 0.040	NA per work second NA per listing
6 IN DIRECTORY LISTING PRODUCT DA Listing - per listing for initiation dud 1 NA \$ 0.040	NA per listing
The state of the s	initial listing is no
6 IN DIRECTORY LISTING PRODUCT White Page Directory Listings \$0.00 \$0.00	\$0.00 charge
	See Tariffs and / or
6 IN DIRECTORY LISTING PRODUCT Non Published/Non List Directory Listings	Service Guidebook
OTHER RESALE - DIRECTORY 6 IN ASSISTANCE OPERATOR SERVICES Directors Assistance Services	Flat Rate Discount
6 IN ASSISTANCE/OPERATOR SERVICES Directory Assistance Services 21.64% N/A OTHER RESALE - DIRECTORY	N/A for Resale Flat Rate Discount
6 IN ASSISTANCE/OPERATOR SERVICES Local Operator Assistance Service 21.64% N/A	N/A for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as							
2MR-AT	KS	TRANSPORT AND TERMINATION	per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$ 0.0007	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as							
2MR-AT	KS	TRANSPORT AND TERMINATION	per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Optional EAS Transport and Termination per MOU (Effective through 6/30/2017)		ZZUR2		\$0.0210000	NA	NA	MOU
ZIVIIX-AT	NO	LOCAL INTERCONNECTION (CALL	Optional EAS Transport and Termination per MOU		ZZONZ		ψ0.0210000	INA	INA	IVIOU
2MR-AT	KS	TRANSPORT AND TERMINATION	(Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	KS	Transit Traffic Service	Transit Rate (Zone 1 - Rural)		ZZUTN	1	\$0.001027	NA	NA	per minute of use
2MR-AT	KS	Transit Traffic Service	Transit Rate (Zone 2 - Suburban)		ZZUTN	2	\$0.000981	NA NA	NA NA	per minute of use
2MR-AT		Transit Traffic Service	Transit Rate (Zone 3 - Metro)		ZZUTN	3	\$0.000953	NA NA	NA NA	per minute of use
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3	3	\$ 0.40	NA NA	NA NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit		ZZUO4		\$ 0.40	NA NA	NA NA	per call
										•
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)		ZZUO5		\$ 0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) - Credit		ZZUO6		\$ 0.65	NA.	NA	per call
6		DIRECTORY ASSISTANCE SERVICES DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) Reverse Directory Assistance (RDA)		ZZUOB ZZUO8		\$ 0.65 \$ 0.65	NA NA	NA NA	per call per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) - Credit		ZZU09		\$ 0.65	NA NA	NA NA	per call
	110	DIRECTOR ACCIONATOR CERTIFICA	Treverse Birediery Flooristation (TEFT) Credit		22000		Ψ 0.00	100	100	initial listing is no
6	KS	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	charge
										See Tariffs and / or
6	KS	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	Service Guidebook
6	KS	DIDECTORY ACCICTANCE DRANDING	Directory Assistance - Branding - Initial/Subsequent		NRBDG		NIA	¢ 4.000.00	f 4 000 00	ital OCN
ь	NS.	DIRECTORY ASSISTANCE - BRANDING	Load per switch, per OCN		NKBDG		INA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
		DIRECTORY ASSISTANCE - RATE	Directory Assistance - Rate Reference Initial Load per		22002		ψ 0.000			por oun
6	KS	REFERENCE	state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
		DIRECTORY ASSISTANCE - RATE	Directory Assistance - Rate Reference - Subsequent							
6	KS	REFERENCE	Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	
6	KS	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA	NA	Per completed automated call
0	NO	OPERATOR CALL PROCESSING	Operator Assisted Call Processing All Types per work		22001		Φ 0.15	INA	INA	automateu can
6	KS	OPERATOR CALL PROCESSING	second		ZZUO2		\$ 0.03	NA	NA	per work second
		0. 2.0.0.0.0.0.2.1.0.0.2.0.0.0.0	Operator Services - Branding - Initial/Subsequent Load		22002		ψ 0.00			por mont occord
6	KS	OPERATOR SERVICES - BRANDING	per switch, per OCN		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
	140	OPERATOR SERVICES - RATE	Operator Services - Rate Reference Initial Load per		, income			A = 005		
6	KS	REFERENCE OPERATOR SERVICES - RATE	state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	KS	REFERENCE	Operator Services - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
0	NO.	OTHER RESALE - DIRECTORY	per state, per OCIV		INCODIN		INA	ψ 1,500.00	INA	Flat Rate Discount
6	KS	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	NA	NA	for Resale
-		OTHER RESALE - DIRECTORY	, , , , , , , , , , , , , , , , , , , ,				_::3070			Flat Rate Discount
6	KS	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	NA	NA	for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Re Recurring Cha	Non- ecurring irge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as						
2MR-AT	KY	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)			0.0007			MOU
ZIVIICAT	IXI	LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as			0.0007			IVIOO
2MR-AT	KY	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)			0.00bk			MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective						
2MR-AT	KY	TRANSPORT AND TERMINATION)	through 6/30/18)			0.000003			MILE/MOU
OMD AT	101	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective			0.0061-			MILE/MOLL
2MR-AT	KY	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	7/1/2018) Common Transport - Facilities Termination Per MOU			0.00bk			MILE/MOU
2MR-AT	KY	TRANSPORT AND TERMINATION)	(Effective through 6/30/18)			0.0007466			MOU
2		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU			0.0007.100			00
2MR-AT	KY	TRANSPORT AND TERMINATION)	(Effective 7/1/2018)			0.00bk			MOU
2MR-AT	KY	Transit Traffic Service	Local Intermediary Charge, composite, per MOU			0.002			MOU
			Recording and Provisioning of DA Custom Branded						
6	KY	BRANDING - DIRECTORY ASSISTANCE	Announcement	AMT	CBADA		3,000.00	3,000.00	announcement
6	KY	DDANIDING DIDECTORY ACCIOTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC		1.170.00	4 470 00	nan Cooltab nan OCN
ь	Κĭ	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance Access Service Calls, Charge Per	AWI	CBADC		1,170.00	1,170.00	per Switch per OCN
6	KY	DIRECTORY ASSISTANCE SERVICES	Call			0.31			Per Call
			Directory Assistance Call Completion Access Service						
6		DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call			0.10			Per Call
		BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per						
6		SERVICES BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent				5,000.00		per state per OCN
6		SERVICES	Load per state per OCN					1,500.00	per state per OCN
0		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial					1,500.00	per state per OCIV
6		SERVICE (DADS)	Load, per listing				0.04		listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly						
6	KY	SERVICE (DADS)	Recurring Fee			150.00			monthly
	107	BRANDINĠ - OPÉRATOR CALL PROCESSING	December 10 of the December 10 A Assessment	AMT	CBAOS		7 000 00	7 000 00	
6	KY	BRANDING - OPERATOR CALL	Recording of Custom Branded OA Announcement Loading of Custom Branded OA Announcement per	AMT	CBAOS		7,000.00	7,000.00	announcement per shelf/NAV per
6	KY	PROCESSING	shelf/NAV per OCN	AMT	CBAOL		500.00	500.00	OCN
			Oper. Call Processing - Oper. Provided, Per Min	,	02/102		000.00	000.00	00.1
6	KY	OPERATOR CALL PROCESSING	Using BST LIDB			1.20			minute
			Oper. Call Processing - Oper. Provided, Per Min						
6	KY	OPERATOR CALL PROCESSING	Using Foreign LIDB Oper. Call Processing - Fully Automated, per Call -			1.24			minute
6	KY	OPERATOR CALL PROCESSING	Using BST LIDB			0.20			Per Call
0	IXI	OF ENATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call -			0.20			i ei Cali
6	KY	OPERATOR CALL PROCESSING	Using Foreign LIDB			0.20			Per Call
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per						
6	KY	PROCESSING	state per OCN				5,000.00		per state per OCN
_	101	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load					4 500 00	nor atota === OCN
6		DIRECTORY ASSISTANCE DATABASE	per state per OCN Directory Assistance Database Service (DADS)-					1,500.00	per state per OCN
6		SERVICE (DADS)	Update, per listing			0.04	N/A	N/A	listing
		(- · /	,			5.5.	, .		initial listing is no
6	KY	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00	0.00	0.00	charge
							T		See Tariffs and / or
6	KY	DIRECTORY LISTING PRODUCT BRANDING - OPERATOR CALL	Non Published /Non List / Additional Directory Listings Loading of OA Custom Branded Announcement per						Service Guidebook
6	KY	PROCESSING	Switch per OCN			N/A	1.170.00	1 170 00	per switch per OCN
	13.1	1100200110	Omitor por CON		1	14/74	1,170.00	1,170.00	por Switch per OON

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		OTHER RESALE - DIRECTORY				16.79% (Res)			Flat Rate Discount
6		ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			15.54% (Bus)		N/A	for Resale
6		OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			16.79% (Res) 15.54% (Bus)		N/A	Flat Rate Discount for Resale
6	KY	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)			N/A	420.00	420.00	OCN
0	IXI	BITAINDING - DIRECTOR I ASSISTANCE	Order)			IN/A	420.00	420.00	OCIN
6		BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN			N/A	16.00	16.00	per switch per OCN
6		BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)			N/A	1,200.00	1,200.00	OCN

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Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Recurring Charge (NRC) Zone Charge (MRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as					
2MR-AT	LA	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)			0.0007		MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)			0.00bk		MOU
ZIVIIX-AT	LA	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective			0.005K		IVIOO
2MR-AT	LA	TRANSPORT AND TERMINATION)	through 6/30/18)			0.0000032		MILE/MOU
OMD AT		LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective			0.0061		MU E/MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL	7/1/2018) Common Transport - Facilities Termination Per MOU			0.00bk		MILE/MOU
2MR-AT	LA	TRANSPORT AND TERMINATION)	(Effective through 6/30/18)			0.0003748		MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU					
2MR-AT	LA	TRANSPORT AND TERMINATION)	(Effective 7/1/2018) Recording and Provisioning of DA Custom Branded			0.00bk		MOU
6	LA	BRANDING - DIRECTORY ASSISTANCE	Announcement	AMT	CBADA	3.000.00	3,000.00	announcement
0	LA	BIVANDING BIVEGIGIA AGGICIANGE	Loading of Custom Branded Announcement per Switch	AWIT	OBABA	3,000.00	5,000.00	announcement
6	LA	BRANDING - DIRECTORY ASSISTANCE	per OCN	AMT	CBADC	1,170.00	1,170.00	per Switch per OCN
6	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call			0.31		Per Call
0	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service			0.31		Pel Call
6	LA	DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call			0.10		Per Call
		BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per					
6	LA	SERVICES BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent			5,000.00		per state per OCN
6	LA	SERVICES	Load per state per OCN				1,500.00	per state per OCN
-		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial				,	por course por corr
6	LA	SERVICE (DADS)	Load, per listing			0.04		listing
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)- Update, per listing			0.04		listing
0	LA	DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly			0.04		iistirig
6	LA	SERVICE (DADS)	Recurring Fee			150.00		monthly
		BRANDING - OPÉRATOR CALL	December of October December 100 Assessment	ANAT	00400	7,000,00	7,000,00	
6	LA	PROCESSING BRANDING - OPERATOR CALL	Recording of Custom Branded OA Announcement Loading of Custom Branded OA Announcement per	AMT	CBAOS	7,000.00	7,000.00	announcement per shelf/NAV per
6		PROCESSING	shelf/NAV per OCN	AMT	CBAOL	500.00	500.00	OCN
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per					
6	LA	PROCESSING BRANDING - OPERATOR CALL	state per OCN Operator Services - Rate Reference Subsequent Load			5,000.00		per state per OCN
6	LA	PROCESSING	per state per OCN				1,500.00	per state per OCN
			Oper. Call Processing - Oper. Provided, Per Min				1,000.00	
6	LA	OPERATOR CALL PROCESSING	Using BST LIDB			1.20		Minute
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min Using Foreign LIDB			1.24		Minute
0	LA	OF ERATOR GALL PROGESSING	Oper. Call Processing - Fully Automated, per Call -			1.24		Williate
6	LA	OPERATOR CALL PROCESSING	Using BST LIDB			0.20		Per Call
		OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call -			0.20		Dan Call
6	LA	OPERATOR CALL PROCESSING	Using Foreign LIDB			0.20		Per Call initial listing is no
6	LA	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00 0.00	0.00	charge
								See Tariffs and / or
6		DIRECTORY LISTING PRODUCT BRANDING - OPERATOR CALL	Non Published /Non List / Additional Directory Listings Loading of OA Custom Branded Announcement per					Service Guidebook
6		PROCESSING	Switch per OCN			N/A 1,170.00	1 170 00	per switch per OCN
Ŭ		OTHER RESALE - DIRECTORY	5			1,170.00	1,173.00	Flat Rate Discount
6	LA	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			20.72% N/A	N/A	for Resale
6	LA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			20.72% N/A	N/A	Flat Rate Discount for Resale
0	LA	AGGIGTANGE/OFERATOR SERVICES	Local Operator Assistance Service		1	20.1276 N/A	IN/A	ioi nesale

Attachmant	State	Product	Pete Flowent Decerinties	COS (Class of Samina)	usoc	Zono		Non- Recurring Charge (NRC)	Non- Recurring Charge (NRC) Additional	Per Unit
Attachment	State	Product	Rate Element Description	COS (Class of Service)	0500	Zone	Charge (MRC)	First	Additional	Per Unit
			Unbranding - Loading of DA per OCN (1 OCN per							
6	LA	BRANDING - DIRECTORY ASSISTANCE	Order)				N/A	420.00	420.00	OCN
6	LA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
		BRANDING - OPERATOR CALL								

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	MI	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	per FCC-01-131, per MOU (Effective Through 6/30/17) Rate for all ISP-Bound and Section 251(b)(5) Traffic as	OHU	USG14		0.0007			MOU
2MR-AT	МІ	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG14		\$0.00			MOU
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40		NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.40		INA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65			per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65			per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING OPERATOR SERVICES/DIRECTORY	Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	MI	ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per call	XPU	OPEN		\$ 0.03		NA	per OS/DA call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING OPERATOR SERVICES/DIRECTORY	Branding - Initial / Subsequent Load - per trunk group Directory Assistance Rate Reference - Initial Load, per					\$800.00	\$800.00	per trunk group
6	MI	ASSISTANCE RATE/REFERENCES	state, per OCN					\$ 5,000.00		per state, per OCN
6	МІ	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN					NA	\$ 1,500.00	per state, per OCN
6	MI	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	MI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060	NA	NA	per listing
6	МІ	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge See Tariffs and / or
6	МІ	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							Service Guidebook
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.62%	N/A	N/A	Flat Rate Discount for Resale
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.62%	N/A	N/A	Flat Rate Discount for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL		`					
2MR-AT	MO	TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU		ZZUR2	NA	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as		77.100	40.000			Mari
2MR-AT	MO	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2	\$0.0007	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as						
2MR-AT	MO	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2	\$0.00	NA	NA	MOU
2MR-AT		TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 1 (Urban, STL, KS)		ZZUTN	\$0.001712		NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 2 (Suburban)		ZZUTN	\$0.001844	NA	NA	MOU
2MR-AT		TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 3 (Rural) Transit Rate per Minute of Use - Zone 4 (Urban		ZZUTN	\$0.001918			MOU
2MR-AT		TRANSIT TRAFFIC SERVICE	Springfield)		ZZUTN	\$0.001679		NA	MOU
2MR-AT		TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone Interzone		ZZUTN	\$0.001863		NA	MOU
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3	\$0.40			per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4	\$0.40	NA	NA	per call
6	МО	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7	\$0.15	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call		ZZUO5	\$0.65		NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call - credit		ZZUO6	\$0.65			per call
6		DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call		ZZUOB	\$0.65			per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call		ZZUO8	\$0.65		NA NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call - credit		ZZUO9	\$0.65			per call
6		DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG	NA NA	\$1,800.00		per switch, per OCN
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6	MO	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB	\$0.03	NA	NA	per call
-		DIRECTORY ASSISTANCE - RATE	Directory Assistance - Rate Reference Initial Load, per			\$0.00			por oun
6	МО	REFERENCE DIRECTORY ASSISTANCE - RATE	state, per OCN Directory Assistance - Rate Reference Subsequent		NRBDL	NA	\$5,000.00	NA	per state, per OCN
6	MO	REFERENCE	Load per state, per OCN		NRBDM	NA	\$1,500.00	NA	per state, per OCN
6		OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1	\$0.15	. ,		per completed automated call
_			Operator Assisted Call Processing All Types per work						
6	МО	OPERATOR CALL PROCESSING	second Operator Services - Branding Initial/Subsequent Load,		ZZUO2	\$0.03	NA	NA	per work second
6	MO	OPERATOR SERVICES - BRANDING	per switch, per OCN		NRBDG	NA	\$1,800.00	\$1 800 00	per switch, per OCN
6		OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB	\$0.03			per call
	1410	OPERATOR SERVICES - RATE	Operator Services - Rate Reference - Initial Load, per		22000	ψ0.03	14/4	14/3	por oun
6	MO	REFERENCE	state, per OCN		NRBDL	NA	\$5,000.00	NA	Per state, per OCN
		OPERATOR SERVICES - RATE	Operator Services - Rate Reference - Subsequent Load,						
6	MO	REFERENCE	per state, per OCN		NRBDM	NA	\$1,500.00	NA	
_		OTHER RESALE - DIRECTORY							Flat Rate Discount
6	MO	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			19.20%	NA	NA	for Resale
		OTHER RESALE - DIRECTORY							Flat Rate Discount
6	MO	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			19.20%	NA	NA	for Resale
_		DIDECTORY LICTURE	Maria Da Di a da da da						initial listing is no
6	MO	DIRECTORY LISTING PRODUCT	White Page Directory Listings			\$0.00	\$0.00	\$0.00	charge
_		DIDECTORY LIGHING SECRET	No. B. D. Libbard March 1997 A 1997 A 1997						See Tariffs and / or
6	MO	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						Service Guidebook

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Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc		Non- Recurring harge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as						
2MR-AT	MS	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)			0.0007			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)			0.00bk			MOU
ZIVIICAT	IVIO	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective			0.000K			WOO
2MR-AT	MS	TRANSPORT AND TERMINATION)	through 6/30/18) Common Transport - Per Mile, Per MOU (Effective			0.0000026			MILE/MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	7/1/2018)			0.00bk			MILE/MOU
21111(711		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU			O O O O O O O O O O O O O O O O O O O			22/00
2MR-AT	MS	TRANSPORT AND TERMINATION)	(Effective through 6/30/18) Common Transport - Facilities Termination Per MOU			0.0004541			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	(Effective 7/1/2018)			0.00bk			MOU
			Recording and Provisioning of DA Custom Branded						
6	MS	BRANDING - DIRECTORY ASSISTANCE	Announcement Loading of Custom Branded Announcement per Switch	AMT	CBADA		3,000.00	3,000.00	announcement
6	MS	BRANDING - DIRECTORY ASSISTANCE	per OCN	AMT	CBADC		1,170.00	1.170.00	per Switch per OCN
			Directory Assistance Access Service Calls, Charge Per		522		.,	.,	
6	MS	DIRECTORY ASSISTANCE SERVICES	Call Directory Assistance Call Completion Access Service			0.31			Per Call
6	MS	DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call			0.10			Per Call
		BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per						
6	MS	SERVICES BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent				5,000.00		per state per OCN
6	MS	SERVICES	Load per state per OCN					1,500.00	per state per OCN
_		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial					·	
6		SERVICE (DADS) DIRECTORY ASSISTANCE DATABASE	Load, per listing Directory Assistance Database Service (DADS)-				0.04		listing
6		SERVICE (DADS)	Update, per listing			0.04			listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly			450.00			
6	MS	SERVICE (DADS) BRANDING - OPERATOR CALL	Recurring Fee			150.00			monthly
6	MS	PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS		7,000.00	7,000.00	announcement
	MC	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL		500.00	500.00	per shelf/NAV per
6	MS	PROCESSING	Oper. Call Processing - Oper. Provided, Per Min	AWI	CBAOL		500.00	500.00	OCN
6	MS	OPERATOR CALL PROCESSING	Using BST LIDB			1.20			minute
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min Using Foreign LIDB			1.24			minuto
0	IVIS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call -			1.24			minute
6	MS	OPERATOR CALL PROCESSING	Using BST LIDB			0.20			Per Call
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB			0.20			Per Call
0		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per			0.20			i di Gali
6	MS	PROCESSING	state per OCN				5,000.00		per state per OCN
6	MS	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN					1,500.00	per state per OCN
								,	initial listing is no
6	MS	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00	0.00	0.00	charge See Tariffs and / or
6	MS	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						See Tarills and 7 or Service Guidebook
		BRANDING - OPERATOR CALL	Loading of OA Custom Branded Announcement per						
6	MS	PROCESSING OTHER RESALE - DIRECTORY	Switch per OCN			N/A	1,170.00	1,170.00	per switch per OCN Flat Rate Discount
6	MS	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			15.75%	N/A	N/A	for Resale
		OTHER RESALE - DIRECTORY							Flat Rate Discount
6	MS	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			15.75%	N/A	N/A	for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
			Unbranding - Loading of DA per OCN (1 OCN per						
6	MS	BRANDING - DIRECTORY ASSISTANCE	Order)			N/A	420.00	420.00	OCN
6	MS	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN			N/A	16.00	16.00	per switch per OCN
6		BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)			N/A	1.200.00	1.200.00	OCN

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							Manthh	Non-	Non-	
							Monthly Recurring	Recurring	Recurring Charge (NRC)	
Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone	Charge (MRC)		Additional	Per Unit
Attachinent	State	Froudet	Nate Liement Description	COS (Class of Service)	0300	20116	Charge (WINC)	inst	Additional	reronit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	NC	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007	,		MOU
0145 47		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as				0.001.1			
2MR-AT	NC	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	per FCC-01-131, per MOU (Effective 7/1/17) Common Transport - Per Mile, Per MOU (Effective				0.00bk	(MOU
2MR-AT	NC	TRANSPORT AND TERMINATION)	through 6/30/18)				0.0000023	3		MILE/MOU
2		LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective				0.000002			22,00
2MR-AT	NC	TRANSPORT AND TERMINATION)	7/1/2018)				0.00bk	(MILE/MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU							
2MR-AT	NC	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	(Effective through 6/30/18) Common Transport - Facilities Termination Per MOU				0.0001676	5		MOU
2MR-AT	NC	TRANSPORT AND TERMINATION)	(Effective 7/1/2018)				0.00bk			MOU
2MR-AT	NC	TRANSIT TRAFFIC SERVICE	Local Intermediary Charge, composite, per MOU				0.002			MOU
			Recording and Provisioning of DA Custom Branded				0.00			
6	NC	BRANDING - DIRECTORY ASSISTANCE	Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
0	NO	DRANDING DIDECTORY ACCIOTANCE	Loading of Custom Branded Announcement per Switch	A B 4 T	00400			4 470 00	4 470 00	0
6	NC	BRANDING - DIRECTORY ASSISTANCE	per OCN Directory Assistance Access Service Calls, Charge Per	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	NC	DIRECTORY ASSISTANCE SERVICES	Call				0.31			Per Call
	110	BIRCOTORT MODIOTATION OF CHANGE	Directory Assistance Call Completion Access Service				0.01			1 or our
6	NC	DIRECTORY ASSISTANCE SERVICES	(DACC), Per Call				0.10)		Per Call
		BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per							
6	NC	SERVICES BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent					5,000.00		per state per OCN
6	NC	SERVICES	Load per state per OCN						1,500.00	per state per OCN
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial						1,000.00	por didio por corr
6	NC	SERVICE (DADS)	Load, per listing					0.04		listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-							
6	NC	SERVICE (DADS) DIRECTORY ASSISTANCE DATABASE	Update, per listing Directory Assistance Database Service (DADS)-Monthly				0.04			listing
6	NC	SERVICE (DADS)	Recurring Fee				150.00			monthly
	110	BRANDING - OPERATOR CALL	researing res				100.00			monthly
6	NC	PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	
		BRANDING - OPERATOR CALL	Loading of Custom Branded OA Announcement per							per shelf/NAV per
6	NC	PROCESSING	shelf/NAV per OCN Oper. Call Processing - Oper. Provided, Per Min	AMT	CBAOL			500.00	500.00	OCN
6	NC	OPERATOR CALL PROCESSING	Using BST LIDB				1.20			minute
0	INC	OF ERATOR GALLT ROCESSING	Oper. Call Processing - Oper. Provided, Per Min				1.20	,		minute
6	NC	OPERATOR CALL PROCESSING	Using Foreign LIDB				1.24	ı		minute
			Oper. Call Processing - Fully Automated, per Call -							
6	NC	OPERATOR CALL PROCESSING	Using BST LIDB Oper. Call Processing - Fully Automated, per Call -				0.20)		Per Call
6	NC	OPERATOR CALL PROCESSING	Using Foreign LIDB				0.20			Per Call
0	INC	BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per				0.20	,		i ei Cali
6	NC	PROCESSING	state per OCN					5,000.00		per state per OCN
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Subsequent Load							·
6	NC	PROCESSING	per state per OCN						1,500.00	
6	NC	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
б	INC	DINECTOR I LIGHING PRODUCT	writte i age Directory Listings			1	0.00	0.00	0.00	See Tariffs and / or
6	NC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							Service Guidebook
		BRANDING - OPERATOR CALL	Loading of OA Custom Branded Announcement per							
6	NC	PROCESSING	Switch per OCN			1	N/A	1,170.00	1,170.00	per switch per OCN

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC)		Non- Recurring Charge (NRC) Additional	Per Unit
		OTHER RESALE - DIRECTORY	Distriction Assistance Consisten			21.50% (Res)		N/A	Flat Rate Discount
6		ASSISTANCE/OPERATOR SERVICES OTHER RESALE - DIRECTORY	Directory Assistance Services			17.60% (Bus) 21.50% (Res)		N/A	for Resale Flat Rate Discount
6	NC	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service Unbranding - Loading of DA per OCN (1 OCN per			17.60% (Bus)	N/A	N/A	for Resale
6	NC	BRANDING - DIRECTORY ASSISTANCE	Order)			N/A	420.00	420.00	OCN
6		BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN			N/A	16.00	16.00	per switch per OCN
6		BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)			N/A	1,200.00	1,200.00	OCN

Attachment	State	Product LOCAL INTERCONNECTION (CALL	Rate Element Description Rate for All Traffic ISP-Bound and 251(b)(5) Traffic as	COS (Class of Service)	usoc	Zone	Monthly Recurring Charge (MRC)		Non- g Recurring RC) Charge (NRC) Additional	Per Unit
2MR-AT	NV	TRANSPORT AND TERMINATION)	per FCC 01-131 (Effective Through 6/30/17)		GOC00		\$ 0.0007			MOU
2MR-AT		LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All Traffic ISP-Bound and 251(b)(5) Traffic as per FCC 01-131 (Effective 7/01/17)		GOC00		\$0.00			MOU
6	NV	DIRECTORY ASSISTANCE	Directory Assistance, per call				\$0.40		NA	per call
6	NV	DIRECTORY ASSISTANCE	National Directory Assistance (NDA), per call				\$0.65		NA	per call
6	NV	DIRECTORY ASSISTANCE	Reverse Directory Assistance (RDA), per call				\$0.65		NA	per call
6	NV	DIRECTORY ASSISTANCE	Business Category Search (BCS), per call				\$0.65		NA	per call
6	NV	DIRECTORY ASSISTANCE	Express Call Completion / Directory Assistance Call Completion, per call Directory Assistance Listing Services - Lata-Wide Call Completion - Rate per MOU for each completed ECCS				0.15		NA	per call
6	NV	DIRECTORY ASSISTANCE LISTINGS	call				\$ 0.0120		NA	per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800	.00 \$ 1,800.00	switch, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per DA call				\$0.03		NA	per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000	.00	state, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE BRANDING - OPERATOR CALL	Rate Reference - Subsequent Load, per state, per OCN Branding - Other - Initial/Subsequent Load, per switch,				NA	\$ 1,500	.00	state, per OCN
6	NV	PROCESSING	per OCN	OPS++	BRAND		NΔ	\$ 1.800	.00 \$ 1,800.00	switch, per OCN
		BRANDING - OPERATOR CALL	po. 0011	3. 3	5.0.0.0			Ψ .,σστ	ψ .,	omen, per cert
6	NV	PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000	.00	state, per OCN
		BRANDING - OPERATOR CALL			1			, 2,000		, p
6	NV	PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NΔ	\$ 1,500	00	state, per OCN
6	NV	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call		1		0.15		NA	call
, i	111	S. E. S. S. G. LE I ROGEGONO	Operator Assisted Call processing - All Types, per work			+	0.10			Juli
6	NV	OPERATOR CALL PROCESSING	second				\$0.03		NA	work second
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per OA call				\$0.03	i	NA	per call initial listing is no
6	NV	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0	.00 \$0.00	charge
6	NV	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
		OTHER RESALE - DIRECTORY								Flat Rate Discount
6	NV	ASSISTANCE/OPERATOR SERVICES OTHER RESALE - DIRECTORY	Directory Assistance Services				18.05%		N/A N/A	for Resale Flat Rate Discount
6	NV	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				18.05%		N/A N/A	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Data (an all IOD Daniel and One) and Office OF4(b)(f) Traffice						
2MR-AT	ОН	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17) Rate for all ISP-Bound and Section 251(b)(5) Traffic as	OHU	USG15	0.0007			MOU
2MR-AT	ОН	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15	\$0.00			MOU
2MR-AT	OH	Transit Traffic Service	Tandem Switching	OHU	USG23	\$0.004587		NA	per minute of use
2MR-AT		Transit Traffic Service	Tandem Termination	OHU	USG20	\$0.004387			per minute of use
ZIVIIX AT	OII	Transit Traine Octvice	Tandem Termination	One	00020	ψ0.000220	11/1	14/4	per minute of use,
2MR-AT	ОН	Transit Traffic Service	Tandem Facility - per mile	OHU	USG21	\$0.000188	NA NA	NA	per mile
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN	\$ 0.40			per call
0	OII	DIRECTORY AGGICTANCE CERVICES	Directory Assistance National Directory Assistance	XI U	OI LIV	Ψ 0.40	11/7		por can
6	ОН	DIRECTORY ASSISTANCE SERVICES	(NDA), per call	XPU	OPEN	\$ 0.65	NA.		per call
	0	DIRECTORY ACCIONATED SERVICES	Directory Assistance Reverse Directory Assistance	7 0	0. 2	ψ 0.00			por oun
6	ОН	DIRECTORY ASSISTANCE SERVICES	(RDA), per call	XPU	OPEN	\$ 0.65	NA.		per call
			Directory Assistance Business Category Search (BCS)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · ·	7			por cam
6	ОН	DIRECTORY ASSISTANCE SERVICES	where applicable, per call	XPU	OPEN	\$ 0.65	NA.		per call
			, , , , , , , , , , , , , , , , , , ,	· · · · · ·	9	7			p 0. 00
6	ОН	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN	\$ 0.15	NA.		per call
		OPERATOR SERVICES/DIRECTORY							
6	ОН	ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch per OCN			NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
	OU	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Describer and Defended (Date Leek He are OS/DA cell	XPU	OPEN	.	, NA		OC/DA II
6	OH	OPERATOR SERVICES/DIRECTORY	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN	\$ 0.03	NA NA		per OS/DA call
6	ОН	ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN			NA	\$ 5,000.00		per state, per OCN
		OPERATOR SERVICES/DIRECTORY							
6	OH	ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN			NA	. NA	\$ 1,500.00	per state, per OCN
6	ОН	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN	\$ 0.15	NA NA		per call
	011	00504700 0444 0000500413	Operator Assisted Call Processing - All Types, per work	VD11	0.0511				
6		OPERATOR CALL PROCESSING	second	XPU	OPEN	\$ 0.03			per work second
6	OH	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load				\$ 0.040		per listing
6	ОН	DIRECTORY LISTING PRODUCT OPERATOR SERVICES/DIRECTORY	DA Listings - per listing for subsequent updates			\$ 0.060			per listing
6	ОН	ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial / Subsequent Load - per trunk group				\$800.00	\$800.00	per trunk group
6	ОН	DIRECTORY LISTING PRODUCT	White Page Directory Listings			\$0.00	\$0.00	\$0.00	initial listing is no charge
	011	DIDECTORY LIGHNO DRODUCT	No. Published March 1997 Additional Disease 1997						See Tariffs and / or
6	OH	DIRECTORY LISTING PRODUCT OTHER RESALE - DIRECTORY	Non Published /Non List / Additional Directory Listings						Service Guidebook
	OLL		Diseases Assistance Consider			00.000/	A1/A	A1/A	Flat Rate Discount
6	ОН	ASSISTANCE/OPERATOR SERVICES OTHER RESALE - DIRECTORY	Directory Assistance Services			20.29%	N/A	N/A	for Resale Flat Rate Discount
6	ОН	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			20.29%	N/A	N/A	for Resale

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Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as							
2MR-AT	OK	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$0.0007	NA	NA	MOU
	014	LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as		771100		40.00			
2MR-AT	OK	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	OK	TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU				NA	NA	NA	MOU
2MR-AT		Transit Traffic Service	Transit Rate (Zone 1 - Rural)		ZZUTN	1	\$0.001770	NA NA	NA NA	per minute of use
2MR-AT		Transit Traffic Service	Transit Rate (Zone 2 - Suburban)		ZZUTN	2	\$0.001770	NA NA	NA NA	per minute of use
2MR-AT		Transit Traffic Service	Transit Rate (Zone 3 - Metro)		ZZUTN	3	\$0.001356	NA	NA	per minute of use
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$0.40	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$0.15		NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call		ZZUO5		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call - credit		ZZUO6		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call		ZZUO8		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
			Directory Assistance - Based Rate Reference - Initial							'
6	OK	BRANDING - DIRECTORY ASSISTANCE	Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
			Directory Assistance Rate Reference - Subsequent							
6	OK	BRANDING - DIRECTORY ASSISTANCE	Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	
6	ОК	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	OK	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NΔ	See Tariffs and / or Service Guidebook
-	OIC	DIRECTORT EIGHING FRODOOT	Operated Services - Fully Automated Call Processing					14/3	IVA	completed
6	OK	OPERATOR CALL PROCESSING	(Per completed automated call)		ZZUO1		\$0.15	NA	NA	automated call
			Operator Assisted Call Processing All Types per work				70.110			
6	OK	OPERATOR CALL PROCESSING	second		ZZUO2		\$0.03	NA	NA	per work second
-		BRANDING - OPERATOR CALL	Operator Services - Branding - Initial/Subsequent Load				*			
6	OK	PROCESSING	per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
		BRANDING - OPERATOR CALL								
6	OK	PROCESSING	Operator Services - Branding Per call		ZZUCB		\$0.030	NA	NA	per call
		BRANDING - OPERATOR CALL	Operator Services - Based Rate Reference - Initial							
6	OK	PROCESSING	Load, per state per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
		BRANDING - OPERATOR CALL	Operator Services Rate Reference - Subsequent Load,							
6	OK	PROCESSING	per state, per OCN		NRBDM		NA	\$1,500.00	NA	
		OTHER RESALE - DIRECTORY								Flat Rate Discount
6	OK	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				19.80%	N/A	N/A	for Resale
		OTHER RESALE - DIRECTORY						,		Flat Rate Discount
6	OK	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				19.80%	N/A	N/A	for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)		Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	SC	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	sc	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000045			MILE/MOU
ZIVIN-AT	30	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective				0.0000043			IVIILE/IVIOU
2MR-AT	SC	TRANSPORT AND TERMINATION)	7/1/2018)				0.00bk			MILE/MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU				0.000.			
2MR-AT	SC	TRANSPORT AND TERMINATION)	(Effective through 6/30/18)				0.0004095			MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU							
2MR-AT	SC	TRANSPORT AND TERMINATION)	(Effective 7/1/2018)				0.00bk			MOU
6	SC	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement Loading of Custom Branded Announcement per Switch	AMT	CBADA			3,000.00	3,000.00	announcement
6	sc	BRANDING - DIRECTORY ASSISTANCE	per OCN	AMT	CBADC			1,170.00	1 170 00	per Switch per OCN
0	30	BRANDING - DIRECTOR 1 ASSISTANCE	Directory Assistance Access Service Calls, Charge Per	AWI	CBADC			1,170.00	1,170.00	per Switch per OCN
6	SC	DIRECTORY ASSISTANCE SERVICES	Call				0.31			per call
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
0	00	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per					5 000 00		
6		SERVICES BRANDING - DIRECTORY ASSISTANCE	state per OCN Directory Assistance - Rate Reference Subsequent					5,000.00		per state per OCN
6		SERVICES	Load per state per OCN						1 500 00	per state per OCN
- U		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial						1,000.00	per diate per cert
6	SC	SERVICE (DADS)	Load, per listing					0.04		listing
6		DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)- Update, per listing				0.04			listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly				450.00			
6		SERVICE (DADS) BRANDING - OPERATOR CALL	Recurring Fee				150.00			monthly
6		PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
0	30	BRANDING - OPERATOR CALL	Loading of Custom Branded OA Announcement per	AWI	CBAOS			7,000.00	7,000.00	per shelf/NAV per
6	SC	PROCESSING	shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	OCN
-			Oper. Call Processing - Oper. Provided, Per Min							-
6	SC	OPERATOR CALL PROCESSING	Using BST LIDB				1.20			minute
	00	ODEDATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min							
6	SC	OPERATOR CALL PROCESSING	Using Foreign LIDB Oper. Call Processing - Fully Automated, per Call -			1	1.24			minute
6	SC	OPERATOR CALL PROCESSING	Using BST LIDB				0.20			per call
-	- 50	S. E. STON ONLE I NOOLOGINO	Oper. Call Processing - Fully Automated, per Call -				0.20			por oan
6	SC	OPERATOR CALL PROCESSING	Using Foreign LIDB				0.20			per call
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per							
6	SC	PROCESSING	state per OCN					5,000.00		per state per OCN
	00	BRANDING - OPERATOR CALL	Operator Services - Rate Reference Subsequent Load						. = 0.5	
6	SC	PROCESSING	per state per OCN						1,500.00	per state per OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS for Wholesale CLEC - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS for Wholesale CLEC - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
	00	BRANDING - OPERATOR CALL	Wholesale CLEC - Unbranding via OLNS - Loading of				4 000 00	4 000 00	0011
6	SC	PROCESSING	OA per OCN (Regional)				1,200.00	1,200.00	OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Wholesale CLEC - Loading of OA Custom Branded Announcement per Switch per OCN				1,170.00	1,170.00	per Switch per OCN
									initial listing is no
6	SC	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00	0.00	0.00	charge
6	SC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						See Tariffs and / or Service Guidebook
		OTHER RESALE - DIRECTORY							Flat Rate Discount
6	SC	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			14.80%	N/A	N/A	for Resale
		OTHER RESALE - DIRECTORY				44.000			Flat Rate Discount
6	SC	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			14.80%	N/A	N/A	for Resale

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)		Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	TN	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000064			Per Mile, Per MOU
ZIVIN-AT	IIN	LOCAL INTERCONNECTION (CALL	Common Transport - Per Mile, Per MOU (Effective				0.000004			rei iville, rei ivioo
2MR-AT	TN	TRANSPORT AND TERMINATION)	7/1/2018)				0.00bk			Per Mile, Per MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU							,
2MR-AT	TN	TRANSPORT AND TERMINATION)	(Effective through 6/30/18)				0.0000064			Per Mile, Per MOU
		LOCAL INTERCONNECTION (CALL	Common Transport - Facilities Termination Per MOU							
2MR-AT	TN	TRANSPORT AND TERMINATION)	(Effective 7/1/2018) Recording and Provisioning of DA Custom Branded				0.00bk			Per Mile, Per MOU
6	TN	BRANDING - DIRECTORY ASSISTANCE	Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
0	IIN	BICANDING - BIRECTORT ASSISTANCE	Recording and Provisioning of DA Custom Branded	AIVII	CDADA			3,000.00	3,000.00	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Announcement [DISCONNECT] (USOC=CBADA)	AMT	SOMAN			13.32	1.40	announcement
			Recording and Provisioning of DA Custom Branded							
6	TN	BRANDING - DIRECTORY ASSISTANCE	Announcement (USOC=CBADA)	AMT	SOMAN			20.35	10.54	announcement
	TNI	DRANDING DIRECTORY ACCICTANCE	Recording and Provisioning of DA Custom Branded Announcement [DISCONNECT]	AMT	CDADA			7.03	7.00	
6	TN	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch	AIVII	CBADA			7.03	7.03	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	per OCN	AMT	CBADC			1,170.00	1 170 00	per Switch per OCN
		BIOTO BINESTON TROOP THE	Loading of Custom Branded Announcement per Switch	7 1111	OBNEC			1,170.00	1,170.00	per evitori per eert
6	TN	BRANDING - DIRECTORY ASSISTANCE	per OCN (USOC=CBADC)	AMT	SOMAN			20.35	10.54	per Switch per OCN
			Directory Assistance Access Service Calls, Charge Per							
6	TN	DIRECTORY ASSISTANCE SERVICES	Call				0.31			per call
6	TN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
			Directory Assistance - Rate Reference Initial Load per							
6	TN	BRANDING - DIRECTORY ASSISTANCE	state per OCN					5,000.00		per state per OCN
6	TNI	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1 500 00	per state per OCN
ь	TN	DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Initial						1,500.00	per state per OCN
6	TN	SERVICE (DADS)	Load, per listing					0.04		listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-							
6	TN	SERVICE (DADS)	Update, per listing				0.04			listing
		DIRECTORY ASSISTANCE DATABASE	Directory Assistance Database Service (DADS)-Monthly							
6	TN	SERVICE (DADS) BRANDING - OPERATOR CALL	Recurring Fee				150.00			monthly
6	TN	PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
0	IIN	BRANDING - OPERATOR CALL	Recording of Custom Branded OA Announcement	.cu∀l I	ODAGO	1		7,000.00	7,000.00	announcement
6	TN	PROCESSING	[DISCONNECT] (USOC=CBAOS)	AMT	SOMAN			19.99	19.99	announcement
		BRANDING - OPERATOR CALL	Recording of Custom Branded OA Announcement							
6	TN	PROCESSING	(USOC=CBAOS)	AMT	SOMAN	1		19.99	19.99	announcement
	TNI	BRANDING - OPERATOR CALL	Recording of Custom Branded OA Announcement	ANAT	CDAGC			7.00	7.00	
6	TN	PROCESSING BRANDING - OPERATOR CALL	[DISCONNECT] Loading of Custom Branded OA Announcement per	AMT	CBAOS			7.03	7.03	announcement
6	TN	PROCESSING	state per OCN	AMT	CBAOL			500.00	500.00	per state per OCN
		BRANDING - OPERATOR CALL	Loading of Custom Branded OA Announcement per			1		555.50	555.50	, po. 0011
6	TN	PROCESSING	state per OCN (USOC=CBAOL)	AMT	SOMAN	<u> </u>		19.99	19. <u>9</u> 9	per state per OCN
			Oper. Call Processing - Oper. Provided, Per Min							
6	TN	OPERATOR CALL PROCESSING	Using BST LIDB				1.20			minute
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min Using Foreign LIDB				1.24			minuto
0	IIN	OI LIMION CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call -				1.24			minute
6	TN	OPERATOR CALL PROCESSING	Using BST LIDB				0.20			per call
					-1	1	5.20	1		1

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Monthly Recurring Zone Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB			0.20			per call
0		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Initial Load per			0.20			pei cali
6		PROCESSING	state per OCN				5.000.00		per state per OCN
		BRANDING - OPERATOR CALL	Operator Services - Rate Reference Subsequent Load				0,000.00		por otato por o o r
6		PROCESSING	per state per OCN					1,500.00	per state per OCN
									initial listing is no
6	TN	DIRECTORY LISTING PRODUCT	White Page Directory Listings			0.00	0.00	0.00	
6	TN	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings						See Tariffs and / or Service Guidebook
6	TN	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)			N/A	16.00	16.00	OCN
6		BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN			N/A	1,200.00	1,200.00	per switch per OCN
_		BRANDING - OPERATOR CALL							
6		PROCESSING	Unbranding - Loading of OA per OCN (Regional)						OCN
		BRANDING - OPERATOR CALL	Loading of OA Custom Branded Announcement per				4 470 00	4 470 00	
6		PROCESSING OTHER RESALE - DIRECTORY	Switch per OCN			N/A	1,170.00	1,170.00	per switch per OCN Flat Rate Discount
6		ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services			16.00%	N/A	N/A	for Resale
6		OTHER RESALE - DIRECTORY	Directory Assistance Services			10.00%	IN/A	IN/A	Flat Rate Discount
6		ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service			16.00%	N/A	N/A	for Resale

							Monthly Recurring	Non- Recurring Charge (NRC)	Non- Recurring	
Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone	Charge (MRC)	First	Additional	Per Unit
Attaorimont	Otato	LOCAL INTERCONNECTION (CALL	Optional EAS Transport & Termination per MOU	000 (01200 01 001 1100)	0000	Lone	onarge (mrto)	1 11 00	Additional	1 Of Office
2MR-AT	TX	TRANSPORT AND TERMINATION)	(Effective 7/1/2016 – 6/30/2017)		ZZUR2		\$0.0007	NA	NA	MOU
		LOCAL INTERCONNECTION (CALL	Optional EAS Transport & Termination per MOU							
2MR-AT	TX	TRANSPORT AND TERMINATION)	(Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
			5 . (411105 5							
		LOCAL INTERCONNECTION (CALL	Rate for All ISP-Bound and section 251(b)(5) Traffic as		771100					
2MR-AT	TX	TRANSPORT AND TERMINATION) LOCAL INTERCONNECTION (CALL	per FCC 01-131, per MOU (Effective Through 6/30/17) Rate for All ISP-Bound and section 251(b)(5) Traffic as		ZZUR2		\$0.000700	NA	NA	MOU
2MR-AT	TX	TRANSPORT AND TERMINATION)	per FCC 01-131, per MOU1 (Effective 7/01/17)		ZZUR2		\$0.000000	NA	NA	MOU
2MR-AT		Transit Traffic Service	Local Transiting		ZZURZ		\$0.00000	NA NA	NA NA	per minute of use
2MR-AT		Transit Traffic Service	Optional EAS Transit		ZZUTN		\$0.001030	NA NA	NA NA	per minute of use
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA NA	NA NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit		ZZUO4		\$0.40	NA NA	NA NA	per call
			, , , , , , , , , , , , , , , , , , , ,				*			
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per cal		ZZUO7		\$0.15	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per cal		ZZUO5		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit		ZZUO6		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$0.65	NA	NA	per call
6		DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call		ZZUO8		\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit		ZZUO9		\$0.65	NA	NA	per call initial listing is no
6	TX	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	charge See Tariffs and / or
6	TX	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	Service Guidebook
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call Directory Assistance - Rate Reference Initial Load per		ZZUCB		\$0.03	NA	NA	per call
6	TX	BRANDING - DIRECTORY ASSISTANCE	state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent		NRBDM		NA	\$1,500.00	NA	per state, per OCN
0	1.7	BRANDING - DIRECTOR 1 ASSISTANCE	Operated Services - Fully Automated Call Processing		INKODINI		INA	\$1,500.00	INA	per state, per OCN
6	TX	OPERATOR CALL PROCESSING	(Per completed automated call)		ZZUO1		\$0.15	NA	NA	automated call
	.,,	0. 2.0.1.01.07.121.1.00200.1.0	Operator Assisted Call Processing All Types per work				ψ00			automatou oun
6	TX	OPERATOR CALL PROCESSING	second		ZZUO2		\$0.03	NA	NA	per work second
		BRANDING - OPERATOR CALL	Operator Services - Branding Initial/Subsequent Load							
6	TX	PROCESSING	per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
		BRANDING - OPERATOR CALL								
6	TX	PROCESSING	Operator Services - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
_	T.	BRANDING - OPERATOR CALL	Operator Services - Rate Reference - Initial Load per		NDES:			AF 222		
6	TX	PROCESSING BRANDING - OPERATOR CALL	state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	TX	PROCESSING	Operator Services - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state, per OCN
В	1.7	OTHER RESALE - DIRECTORY	per state, per OCN		INKDDINI		INA	φ1,500.00	INA	Flat Rate Discount
6	TX	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	N/A	N/A	for Resale
	17	OTHER RESALE - DIRECTORY	Directory / teoletanee dervices				21.0070	IN/A	IN/A	Flat Rate Discount
6	TX	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	N/A	N/A	for Resale

PRICING SHEETS

	1	T								
Attachment	State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
		LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as							
2MR-AT	WI	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG15		0.0007	,		MOU
ZIVIN-A I	VVI	LOCAL INTERCONNECTION (CALL	Rate for all ISP-Bound and Section 251(b)(5) Traffic as	OHO	03013		0.0007			IVIOU
2MR-AT	WI	TRANSPORT AND TERMINATION)	per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15		\$0.00			MOU
6	WI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40		NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.40			per call
	WI	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65		NA NA	
6	VVI	DIRECTURY ASSISTANCE SERVICES	Business Category Search (BCS) / where applicable,	XPU	OPEN		\$ 0.00	NA NA	NA.	per call
	14/1	DIDECTORY ACCICTANCE CERVICES	per call	XPU	OPEN		\$ 0.65	NA NA	NA	
6		DIRECTORY ASSISTANCE SERVICES								per call
6	WI	DIRECTORY ASSISTANCE SERVICES OPERATOR SERVICES/DIRECTORY	Directory Assistance Call Completion (DACC)	XPU	OPEN		\$ 0.15	NA NA	NA	per call
		ASSISTANCE AUTOMATED CALL	Branding Other Initial/Cubacquent Load per quitab							
	14/1		Branding - Other - Initial/Subsequent Load per switch				N1/A	Ø4 000 00	#4 000 00	
6	WI	GREETING OPERATOR SERVICES/DIRECTORY	per OCN				N/A	\$1,800.00	\$1,800.00	per switch, per OCN
_		ASSISTANCE AUTOMATED CALL								
6	WI	GREETING	Branding and Rate/Reference Look Up, per OS/DA call	XPU	OPEN		\$ 0.03	3		per OS/DA call
		OPERATOR SERVICES/DIRECTORY	B # 5 ## B 11 ## #0 1							
		ASSISTANCE AUTOMATED CALL	Branding-Facility Based-Initial/Subsequent Load -							
6	WI	GREETING	Branding, per trunk group				NA	\$ 800.00	NA	per trunk group
_		OPERATOR SERVICES/DIRECTORY								
6	WI	ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	NA	per state, per OCN
_		OPERATOR SERVICES/DIRECTORY								
6	WI	ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00	\$ 1,500.00	per state, per OCN
_			Operator Services Fully Automated Call Processing, per							
6	WI	OPERATOR CALL PROCESSING	call	XPU	OPEN		\$ 0.15	NA NA	NA	per call
			Operator Assisted Call Processing All Types, per							
6	WI	OPERATOR CALL PROCESSING	work second	XPU	OPEN		\$ 0.03	NA NA	NA	per work second
			Branding-Other-Initial/Subsequent Load, per switch, per							
6	WI	OPERATOR CALL PROCESSING	OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6		OPERATOR CALL PROCESSING	per call	XPU	OPEN		\$ 0.03			per OS/DA call
6	WI	OPERATOR CALL PROCESSING	Branding - Initial/Subsequent Load - per trunk group					\$ 800.00		per trunk group
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Initial Load					\$ 5,000.00		per state, per OCN
										_
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Subsequent Load				NA		\$ 1,500.00	
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060)	NA	per listing
										initial listing is no
6	WI	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	charge
										See Tariffs and / or
6	WI	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							Service Guidebook
ĺ	1	OTHER RESALE - DIRECTORY								Flat Rate Discount
6	WI	ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				25.00%	N/A	N/A	for Resale
		OTHER RESALE - DIRECTORY								Flat Rate Discount
6	WI	ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				25.00%	N/A	N/A	for Resale
				-	•			-		•

System Version: 9/22/2016

AT&T Wholesale Amendment

Contract Number: 24047

Version: 4Q15 – 10/20/15

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T NORTH CAROLINA AND AT&T SOUTH CAROLINA, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

ONVOY, LLC



Page 3 of 16

Signature Page/AT&T-21STATE Page 2 of 3 ONVOY, LLC Version: 4Q15 – 10/20/15

Signature: eSigned - Kyle V. Bertrand

Name: eSigned - Kyle V. Bertrand
(Print or Type)

Vice President, Network Optimization & Procurement
Title:
(Print or Type)

(Print or Type)

(Print or Type)

Date: 08 Oct 2018

Signature: eSigned - William Bockelman
(Print or Type)

Name: eSigned - William Bockelman
(Print or Type)

(Print or Type)

Date: 15 Oct 2018

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T NORTH CAROLINA, and AT&T SOUTH CAROLINA, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	CLEC OCN
ALABAMA		604E
ARKANSAS		348F
CALIFORNIA		668G,649C
FLORIDA		301H,937C
GEORGIA		302H,067D
ILLINOIS		304H,505B
INDIANA	363F	097D,213F
KANSAS		205F
KENTUCKY		896E
LOUISIANA		749E
MICHIGAN	363F	214F,543C
MISSOURI		389H,093F
NEVADA		029F
NORTH CAROLINA		267H,638E
OKLAHOMA		390H,409F
SOUTH CAROLINA		548E

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Signature Page/AT&T-21STATE Page 3 of 3 ONVOY, LLC Version: 4Q15 – 10/20/15

TEXAS	 914G,903C
WISCONSIN	 940E,225C

Description	ACNA Code(s)
ACNA(s)	MSK,OWS

Signature Page/AT&T-21STATE Page 2 of 3 ONVOY, LLC Version: 4Q15 – 10/20/15

Signature: eSigned - John Bullock

Name: eSigned - John Bullock

(Print or Type)

Title: Chief Operating Officer

(Print or Type)

Date: 08 Oct 2018

Neutral Tandem-Alabama, LLC, Neutral Tandem-Arkansas, LLC, Neutral Tandem-California, LLC, Neutral Tandem-Florida, LLC, Neutral Tandem-Georgia, LLC, Neutral Tandem-Illinois, LLC, Neutral Tandem-Indiana, LLC, Neutral Tandem-Kansas, LLC, Neutral Tandem-Kentucky, LLC, Neutral Tandem-Louisiana, LLC, Neutral Tandem-Michigan, LLC, Neutral Tandem-Nevada, LLC, Neutral Tandem-North Carolina, LLC, Neutral Tandem-Oklahoma, LLC, Neutral Tandem-South Carolina, LLC, Neutral Tandem-Texas, LLC

Signature: eSigned - William Bockelman

Name: eSigned - William Bockelman

(Print or Type)

Title: <u>DIR-INTERCONNECTION AGREEMENTS</u>

(Print or Type)

Date: 15 Oct 2018

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T NORTH CAROLINA, and AT&T SOUTH CAROLINA, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	CLEC OCN
ALABAMA		604E
ARKANSAS		348F
CALIFORNIA		668G,649C
FLORIDA		301H,937C
GEORGIA		302H,067D
ILLINOIS		304H,505B
INDIANA	363F	097D,213F
KANSAS		205F
KENTUCKY		896E
LOUISIANA		749E
MICHIGAN	363F	214F,543C
MISSOURI		389H,093F
NEVADA		029F
NORTH CAROLINA		267H,638E
OKLAHOMA		390H,409F
SOUTH CAROLINA		548E

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Signature Page/AT&T-21STATE Page 3 of 3 ONVOY, LLC Version: 4Q15 – 10/20/15

TEXAS	 914G,903C
WISCONSIN	 940E,225C

Description	ACNA Code(s)
ACNA(s)	MSK,OWS

AMENDMENT TO THE AGREEMENTS BETWEEN

NEUTRAL TANDEM-ALABAMA, LLC, NEUTRAL TANDEM-ARKANSAS, LLC, NEUTRAL TANDEM-CALIFORNIA, LLC, NEUTRAL TANDEM-FLORIDA, LLC, NEUTRAL TANDEM-GEORGIA, LLC, NEUTRAL TANDEM-ILLINOIS, LLC, NEUTRAL TANDEM-INDIANA, LLC, NEUTRAL TANDEM-KENTUCKY, LLC, NEUTRAL TANDEM-LOUISIANA, LLC, NEUTRAL TANDEM-MICHIGAN, LLC, NEUTRAL TANDEM-MISSOURI, LLC, NEUTRAL TANDEM-NEVADA, LLC, NEUTRAL TANDEM-NORTH CAROLINA, LLC, NEUTRAL TANDEM-OKLAHOMA, LLC, NEUTRAL TANDEM-SOUTH CAROLINA, LLC, NEUTRAL TANDEM-TEXAS, LLC

AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, NORTH CAROLINA AND AT&T SOUTH CAROLINA, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreements by and between AT&T and Neutral Tandem-Alabama, LLC, Neutral Tandem-Arkansas, LLC, Neutral Tandem-California, LLC, Neutral Tandem-Florida, LLC, Neutral Tandem-Georgia, LLC, Neutral Tandem-Illinois, LLC, Neutral Tandem-Indiana, LLC, Neutral Tandem-Kansas, LLC, Neutral Tandem-Kentucky, LLC, Neutral Tandem-Louisiana, LLC, Neutral Tandem-Michigan, LLC, Neutral Tandem-Missouri, LLC, Neutral Tandem-Nevada, LLC, Neutral Tandem-North Carolina, LLC, Neutral Tandem-Oklahoma, LLC, Neutral Tandem-South Carolina, LLC, Neutral Tandem-Texas, LLC ("Neutral Tandem") as shown in the attached Exhibit A.

WHEREAS, AT&T and Neutral Tandem are Parties to the Agreements as shown in the attached Exhibit A.

WHEREAS, AT&T and Onvoy, LLC ("Onvoy") are Parties to the Agreements as shown in the attached Exhibit B.

WHEREAS, Neutral Tandem desires to assign its Agreements to Onvoy, LLC ("Onvoy");

WHEREAS, Onvoy represents that it has registered this merger transaction and name with each Secretary of State impacted by the assignment to the extent required under applicable law or regulation;

WHEREAS, Onvoy represents that it has filed for a change in its certification with each Public Utilities Commission to the extent required under applicable law or regulation or by the assignment;

WHEREAS, Onvoy represents that it will continue to use its SPIDs registered with NPAC, ACNA registered with iconectiv and OCNs with NECA;

WHEREAS, Onvoy seeks to assume the SPIDs, ACNA and OCNs to the Neutral Tandem Agreements;

WHEREAS, Onvoy represents that it has registered these SPIDs with NPAC, ACNAs with iconectiv and OCNs with NECA;

WHEREAS, Onvoy desires to terminate its Agreements with AT&T, as contained in Exhibit B;

WHEREAS, Onvoy represents that it has authority to amend the Neutral Tandem Agreements;

WHEREAS, Onvoy desires to continue to purchase services from AT&T under the Neutral Tandem Agreements;

WHEREAS, AT&T and Onvoy agree to amend the Neutral Tandem Agreements to reflect the name change to Onvoy, LLC and assume the Neutral Tandem SPIDs, ACNAs and OCNs listed in this Amendment; and

WHEREAS, concurrent with the execution of this Amendment, certain services being provided today by AT&T to Onvoy will subsequently be provided by AT&T to Onvoy under the Neutral Tandem Agreements, as amended, including by way of name change from Neutral Tandem to Onvoy.

NOW, **THEREFORE**, in consideration of the promises and mutual agreements set forth herein, AT&T and Onvoy agree to amend the Neutral Tandem Agreements as follows:

- This Amendment is composed of the foregoing recitals, the terms and conditions, contained within, Exhibit A Listing of Neutral Tandem's Agreements and Exhibit B – Listing of Onvoy, LLC's Agreements immediately following, all of which are hereby incorporated in this Amendment by this reference and constitute a part of this Amendment.
- 2. Upon the Effective date of this amendment for each state, Onvoy's Agreement for the respective state, as listed in Exhibit B, is hereby superseded.
- 3. The Neutral Tandem Agreements are hereby amended to reflect the assignment from "Neutral Tandem" to "Onvoy, LLC"
 - AT&T shall reflect the assignment from "Neutral Tandem" to "Onvoy, LLC" only for the main billing account (header card) for each of the CLEC accounts previously billed to Neutral Tandem. AT&T shall not be obligated, whether under this Amendment or otherwise, to make any other changes to AT&T records with respect to those accounts previously billed to Neutral Tandem, including to the services and items provided and/or billed thereunder or under the Neutral Tandem Agreements. Without limiting the foregoing, Onvoy affirms, represents, and warrants that the ACNA and OCN for those accounts shall not change from that previously used by Neutral Tandem with AT&T for those accounts and the services and items provided and/or billed thereunder or under the Neutral Tandem Agreements.
 - 3.2 Once this Amendment is effective, Onvoy shall operate with AT&T under the "Onvoy, LLC" name for those CLEC accounts previously billed Neutral Tandem. Such operation shall include, by way of example only, submitting orders under Onvoy, LLC and labeling equipment and facilities installed on AT&T premises after the effective date of this amendment with "Onvoy, LLC"
- 4. The Parties agree to continue use of Neutral Tandem's company codes to the Neutral Tandem Agreements:

ACNA: OWS

OCN: 604E, 348F, 649C, 937C, 067D, 505B, 097D, 205F, 896E, 749E, 543C, 093F, 029F, 638E, 409F, 548E,903C,

225C

SPID: 505B, 604E

The Parties agree to assign and use Onvoy's company codes to the Neutral Tandem Agreements upon the Effective Date of this Amendment.

ACNA: MSK

OCN: 668G, 301H, 302H, 304H 363F, 213F, 214F, 389H, 267H, 215F, 390H, 914G, 940E

SPID: 4899, 858G

6. For the States of Alabama, Arkansas, Indiana, Kansas, Kentucky, Louisiana, Missouri, Mississippi, North Carolina, Nevada, Oklahoma, South Carolina, and Texas the Parties agree to add the following provision to the Attachment or Appendix for Network Interconnection.

- NI.1 CLEC is solely responsible, including financially, for the facilities that carry Operator Services/Directory Assistance ("OS/DA"), E911, Mass Calling, Third Party and Meet Point Trunk Groups.
- 7. The Parties agree to replace Section N from the Neutral Tandem Agreements with the following language:

N Notices

- N.1 Notices given by CLEC to AT&T-21STATE under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - N.1 delivered by electronic mail (email).
 - N.2 delivered by facsimile.
- Notices given by AT&T-21STATE to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
 - N.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section N.4 below.
 - N.2.2 delivered by facsimile provided CLEC has provided such information in Section N.4 below.
- N.3 Notices will be deemed given as of the earliest of:
 - N.3.1 the date of actual receipt;
 - N.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent;

NOTICE CONTACT	CARRIER CONTACT
NAME/TITLE	Kyle V. Bertrand Vice President, Procurement Management and Network Optimization
STREET ADDRESS	75 Erieview Plaza, Suite 400
CITY, STATE, ZIP CODE	Cleveland, OH 44114
PHONE NUMBER*	(216) 373-4636
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	Kyle.Bertrand@inteliquent.com

	AT&T CONTACT
NAME/TITLE	Contract Management
	ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

^{*}Informational only and not to be considered as an official notice vehicle under this Section.

N.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section N. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated

- contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- N.6 In addition, CLEC agrees that it is responsible for providing AT&T-21STATE with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T-21STATE to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section N notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
 - N.6.1 CLEC may not order services under a new account and/or subsequent state certification, established in accordance with this Section until thirty (30) days after all information specified in this Section is received from CLEC.
 - N.6.2 CLEC may be able to place orders for certain services in AT&T-21STATE without having properly updated the CLEC Profile; however, at any time during the term of this Agreement without additional notice AT&T may at its discretion eliminate such functionality. At such time, if CLEC has not properly updated its CLEC Profile, ordering capabilities will cease, and CLEC will not be able to place orders until thirty (30) days after CLEC has properly updated its CLEC Profile.
- N.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
- 7. This Amendment shall be deemed to revise the terms and provisions of the Neutral Tandem Agreements only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Neutral Tandem Agreements (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Neutral Tandem Agreements), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Neutral Tandem Agreements, or in the Neutral Tandem Agreements but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
- 8. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Neutral Tandem Agreements (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Neutral Tandem Agreements or which may be the subject of further review.
- 9. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING NEUTRAL TANDEM AGREEMENTS SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 10. This Amendment shall not modify or extend the Effective Date or Term of the underlying Neutral Tandem Agreements, but rather, shall be coterminous with such Neutral Tandem Agreements.
- 11. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
- 12. For all States except Arkansas, California, and Wisconsin: This Amendment shall be filed with and is subject to approval by the State Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Connecticut: This Amendment shall become effective upon approval by the Public Utilities Regulatory Authority. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty days (30) after the filing date of the Advice Letter to which this Amendment is appended. For

Amendment-Name Change, Notices, Assignment & ICA Termination/AT&T-21STATE PAGE 5 OF 5 ONVOY, LLC FKA NEUTRAL TANDEM

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Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

Exhibit A- Name Change, Notices, Assignment & ICA Termination/AT&T-21STATE

Page 1 of 3 ONVOY, LLC FKA NEUTRAL TANDEM Version: 03/03/16

Exhibit A - Listing of Neutral Tandem's Agreements

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Neutral Tandem-Alabama, LLC	Interconnection	03/04/2008
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Neutral Tandem-Louisiana, LLC	Interconnection	05/14/2008
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Neutral Tandem-North Carolina, LLC	Interconnection	03/27/2008
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Neutral Tandem-South Carolina, LLC	Interconnection	03/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Neutral Tandem-Florida, LLC	Interconnection	07/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Neutral Tandem-Georgia, LLC	Interconnection	07/10/2009
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Neutral Tandem-Kentucky, LLC	Interconnection	05/29/2009
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (Previously referred to as Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS)	Neutral Tandem-Illinois, LLC	Interconnection	02/04/2004

Exhibit A- Name Change, Notices, Assignment & ICA Termination/AT&T-21STATE
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ONVOY, LLC FKA NEUTRAL TANDEM
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AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Neutral Tandem-Arkansas, LLC	Interconnection	07/18/2008
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Neutral Tandem-Kansas, LLC	Interconnection	09/15/2008
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Neutral Tandem-Oklahoma, LLC	Interconnection	09/12/2008
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Neutral Tandem-Indiana, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Neutral Tandem-Missouri, LLC	Interconnection	11/29/2005
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Neutral Tandem-Nevada, LLC	Interconnection	09/06/2005
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Neutral Tandem-Texas, LLC	Interconnection	10/03/2005
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Neutral Tandem-Michigan, LLC	Interconnection	07/22/2004
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Neutral Tandem-California, LLC	Interconnection	08/06/2004

Exhibit A- Name Change, Notices, Assignment & ICA Termination/AT&T-21STATE

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AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Neutral Tandem-Illinois, LLC	Interconnection	07/26/2004

Page 1 of 2 ONVOY, LLC FKA NEUTRAL TANDEM Version: 03/03/16

Exhibit B – Listing of Onvoy, LLC's Agreements

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Onvoy, LLC	Interconnection	04/05/2015
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Onvoy, LLC	Interconnection	05/11/2016
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Onvoy, LLC	Interconnection	05/07/2014
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Onvoy, LLC	Interconnection	12/02/2014
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Onvoy, LLC	Interconnection	11/20/2014
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (Previously referred to as Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS)	Onvoy, LLC	Interconnection	11/06/2014
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Onvoy, LLC	Interconnection	12/04/2008
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Onvoy, LLC	Interconnection	05/05/2016
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Onvoy, LLC	Interconnection	03/04/2016
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Onvoy, LLC	Interconnection	04/06/2016

Exhibit B- Name Change, Notices, Assignment & ICA Termination/AT&T-21STATE

Page 2 of 2 ONVOY, LLC FKA NEUTRAL TANDEM Version: 03/03/16

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Onvoy, LLC	Interconnection	8/26/2008
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Onvoy, LLC	Interconnection	10/02/2014
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Onvoy, LLC	Interconnection	11/26/2014
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Onvoy, LLC	Interconnection	04/26/2016
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Onvoy, LLC	Interconnection	12/14/2014
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Onvoy, LLC	Interconnection	02/24/2016
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Onvoy, LLC	Interconnection	02/27/2014
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Onvoy, LLC	Interconnection	09/16/2014

AT&T Wholesale Amendment

Contract Number: 24184

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AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

ONVOY, LLC



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Signature Page/AT&T-21STATE Page 2 of 3 ONVOY, LLC Version: 4Q15 – 10/19/15

Signature: eSigned - Kyle V. Bertrand

Name: eSigned - Kyle V. Bertrand

(Print or Type)

VP Procurement Management and Network Optimization

Title:

(Print or Type)

(Print or Type)

(Print or Type)

Date: 08 Feb 2019

Signature: eSigned - William Bockelman

(Print or Type)

(Print or Type)

Name: eSigned - William Bockelman

(Print or Type)

(Print or Type)

Date: 12 Feb 2019

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

	T	
State	Resale OCN	CLEC OCN
ALABAMA		604E
ARKANSAS		348F
CALIFORNIA		649C,668G
FLORIDA		301H,937C
GEORGIA		067D,302H
ILLINOIS		304H,505B
INDIANA	363F	213F,097D
KANSAS		205F
KENTUCKY		896E,205F
LOUISIANA		749E
MICHIGAN	363F	214F,543C
MISSISSIPPI		719E
MISSOURI		093F,389H
NEVADA		029F

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NORTH CAROLINA		267H,638E
OHIO	363F	464C,215F
OKLAHOMA		390H,409F
SOUTH CAROLINA		548F
TENNESSEE		525E
TEXAS		903C,914G
WISCONSIN		225C,940E

Description	ACNA Code(s)
ACNA(s)	OWS,MSK

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Amendment – Revise IVP Definition/AT&T-21STATE
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ONVOY, LLC
Version: 01/28/19

AMENDMENT TO THE AGREEMENT BETWEEN ONVOY, LLC AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreements by and between AT&T and CLEC as shown in the attached Exhibit A.

WHEREAS, AT&T and CLEC are Parties to the Agreements as shown in the attached Exhibit A.

WHEREAS, CLEC is providing interconnection to the PSTN on behalf of one or more interconnected VoIP providers ("IVP") in connection with the 2015 VoIP Number Access Order approved by the FCC in WC Docket No. 13-97; Numbering Policies for Modern Communications. As such, CLEC has been delivering traffic to and receiving traffic from AT&T on behalf of one or more IVPs pursuant to an amendment executed between the parties on October 25, 2016; and

WHEREAS, the Parties wish to amend the Agreement, pursuant to Sections 251 and 252 of the Act, to change certain provisions relating to WC Docket No. 13-97 approved by the FCC; and

NOW, **THEREFORE**, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

- The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, and Exhibit A
 immediately following, all of which are hereby incorporated within this Amendment by this reference and constitute a part
 of this Amendment.
- 2. The Parties agree to replace the definition of Interconnected VoIP Provider with the following:
 - "Interconnected VoIP Provider" or "IVP" as used in this Agreement is an entity as set forth in the Preamble that provides interconnected VoIP service as that term is defined in 47 U.S.C. § 9.3.
- 3. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC's agreement.
- 4. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
- 5. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

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Amendment – Revise IVP Definition/AT&T-21STATE
PAGE 2 OF 2
ONVOY, LLC
Version: 01/28/19

- 6. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
- 7. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 8. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
- 9. For Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Michigan, Missouri, Nevada, Oklahoma, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

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Exhibit A

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Onvoy, LLC	Interconnection	03/04/2008
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Onvoy, LLC	Interconnection	05/14/2008
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Onvoy, LLC	Interconnection	04/08/2008
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Onvoy, LLC	Interconnection	03/27/2008
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Onvoy, LLC	Interconnection	03/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Onvoy, LLC	Interconnection	03/24/2008
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Onvoy, LLC	Interconnection	07/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Onvoy, LLC	Interconnection	07/10/2009
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Onvoy, LLC	Interconnection	05/29/2009

Amd-CLEC IVP OSS and LNP Partner Definition Correction/AT&T-21STATE

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AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (f/k/a Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	Onvoy, LLC	Interconnection	02/04/2004
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Onvoy, LLC	Interconnection	07/18/2008
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Onvoy, LLC	Interconnection	09/15/2008
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Onvoy, LLC	Interconnection	09/12/2008
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Onvoy, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Onvoy, LLC	Interconnection	11/29/2005
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Onvoy, LLC	Interconnection	09/06/2005
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Onvoy, LLC	Interconnection	10/03/2005
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Onvoy, LLC	Interconnection	07/22/2004

Amd-CLEC IVP OSS and LNP Partner Definition Correction/AT&T-21STATE

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AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Onvoy, LLC	Interconnection	11/23/2004
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Onvoy, LLC	Interconnection	08/06/2004
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Onvoy, LLC	Interconnection	07/26/2004

Signature Page/AT&T-21STATE Page 1 of 2 ONVOY, LLC Version: 4Q15 – 10/20/15

INTERCONNECTION AMENDMENT

BFTWFFN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

ONVOY, LLC

Signature Page/AT&T-21STATE Page 2 of 2 ONVOY, LLC Version: 4Q15 – 10/20/15

Signature: eSigned - Kyle V. Bertrand	Signature: eSigned - William Bockelman
Name: eSigned - Kyle V. Bertrand	Name: eSigned - William Bockelman
(Print or Type)	(Print or Type)
VP Procurement Management and Network Optimiz	atioN
Title:	Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)	(Print or Type)
Date: <u>07 Jan 2020</u>	Date: 10 Jan 2020

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

Amendment - FCC UNE and Resale Forbearance/AT&T-21STATE
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Onvoy, LLC
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AMENDMENT TO THE AGREEMENT BETWEEN ONVOY, LLC AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit B.

WHEREAS, AT&T and CLEC are parties to the Interconnection Agreements as shown in the attached Exhibit B, under Sections 251 and 252 of the Communications Act of 1934 as amended (the "Act") and as subsequently amended (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to implement the FCC Orders FCC-19-66 and FCC-19-72 in WC Dkt. No. 18-141; Petition of USTelecom for Forbearance Pursuant to 47 U.S.C. § 160(c) to Accelerate Investment in Broadband and Next-Generation Networks which was filed with the FCC on May 4, 2018 ("FCC UNE and Resale Forbearance Order"); and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

- 1. The Amendment is composed of the foregoing recitals and the terms and conditions contained herein, all of which are hereby incorporated by this reference and constitute a part of this Amendment.
- 2. As of February 2, 2020, except for resale services that are grandfathered pursuant to subsection a, CLEC may no longer purchase any resale services pursuant to the rates, terms and conditions of this Agreement, including any resale Tariff referred to in this Agreement, other than the rates, terms and conditions provided for in Attachment 251(b)(1) Resale.
 - a. Resale services ordered on or before February 1, 2020 ("Resale Embedded Base"), are grandfathered until August 2, 2022, and available only:
 - i. to the same End User; and
 - ii. at that same End User's existing location;
 - iii. both as of February 2, 2020.
- 3. Add Attachment 251(b)(1) Resale to the Agreement.
- 4. As of February 2, 2020, CLEC may no longer order 2-Wire Analog UNE Loops or 4-Wire Analog UNE Loops ("Analog Loops") pursuant to this Agreement. Any existing Analog Loops ordered on or before February 1, 2020 ("Analog Loop Embedded Base") are grandfathered until August 2, 2022. CLEC shall convert the Analog Loop Embedded Base to a commercial offering, or other comparable service, or disconnect such Analog Loop on, or before, August 1, 2022. Exhibit A to this Amendment contains Analog Loop element descriptions and USOCs that are subject to the FCC UNE and Resale Forbearance Order, however this Agreement may also contain additional and/or older element descriptions and USOCs that are also Analog Loops subject to the FCC UNE and Resale Forbearance Order.

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- a. To the extent CLEC fails to adhere to the above, at AT&T's sole discretion, AT&T may take one or more of the following actions for any remaining Analog Loops and CLEC will be responsible for all recurring and nonrecurring charges:
 - i. convert to an analogous arrangement available under a separate commercial agreement executed by the Parties, or
 - ii. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
 - iii. reprice by application of a new rate (or by application of a surcharge to an existing rate), or
 - iv. disconnect.
- b. AT&T reserves the right to backbill CLEC for the difference between an Analog Loop rate and the non-UNE rate that applies under this Section 4 for any new Analog Loops inadvertently ordered on or after February 2, 2020, and any Analog Loop Embedded Base remaining as of August 1, 2022.
- c. AT&T's election to reprice the Analog Loop shall not preclude AT&T from later converting the Analog Loop to an analogous arrangement available under a separate commercial agreement or an AT&T tariff or guidebook service.
- 5. As of January 12, 2020, CLEC may no longer order DS1/DS3 Unbundled Dedicated Transport ("DS1/DS3 UDT"), whether stand-alone or part of a combination (e.g., Enhanced Extended Link), pursuant to this Agreement between Tier 1 wire centers and/or wire centers subject to UDT forbearance under Public Notice DA 19-733, dated August 1, 2019. Any such existing DS1/DS3 UDT ordered on or before January 11, 2020, is grandfathered until July 12, 2022 ("UDT Embedded Base").
 - i. CLEC must convert any grandfathered DS1/DS3 UDT to another product/service offering on or before July 12, 2022, pursuant to the Conversion of 251(c)(3) UNE/UNE Combinations to Wholesale Services provisions of this Agreement or other similar provision.
 - ii. If CLEC fails to convert grandfathered DS1/DS3 UDT before July 12, 2022, at AT&T's sole discretion, AT&T may convert any, or all, of the remaining DS1/DS3 UDT to the equivalent Special Access service at month-to-month rates, terms and conditions. CLEC shall be responsible for all associated recurring and non-recurring charges.
 - iii. AT&T reserves the right to backbill CLEC for the difference between a DS1/DS3 UDT rate and the non-UNE rate that applies under this Section 5 for any new circuits inadvertently ordered on or after January 12, 2020 and any UDT Embedded Base remaining as of July 12, 2022.
 - iv. If the FCC determines that additional wire centers are subject to forbearance, CLEC shall cease ordering DS1/DS3 UDT as of the date specified by the FCC and adhere to any FCC-specified transition timelines.
- 6. Any future forbearance from or rule changes for Section 251(c)(3) UNEs offered pursuant to this Agreement shall be incorporated by reference as of the effective date of the FCC order and shall not require a written amendment. AT&T shall provide Notice to CLEC of how the Parties will implement the subsequent UNE forbearance or rule change. Notice will include applicable transition periods and any changes to rate(s), term(s) and/or condition(s) to the underlying Agreement.
- 7. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
- 8. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.

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- 9. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
- 10. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterpart shall together constitute one and the same instrument.
- 11. For Alabama, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Michigan, Mississippi, Missouri, Nevada, North Carolina, Oklahoma, South Carolina, Tennessee, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

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ATTACHMENT 16b – 251(b)(1) RESALE

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1.0 <u>INTRODUCTION</u>

- 1.1 This Attachment sets forth terms and conditions for Section 251(b)(1) resale services ("Resale Services") provided by AT&T-21STATE to CLEC.
- Pursuant to Section 251(b)(1), beginning February 2, 2020, CLEC may order and AT&T-21STATE shall make available to CLEC for resale, pursuant to the rates, terms and conditions of this Attachment, Telecommunications Services that AT&T-21STATE provides at retail to End Users who are not Telecommunications Carriers. Beginning August 2, 2022, this Attachment shall govern all Resale Services CLEC purchases from AT&T-21STATE, including Resale Services that were purchased prior to August 2, 2022 pursuant to other provisions of this Agreement and/or resale tariff and that remain in service as of that date ("Resale Embedded Base").

2.0 GENERAL PROVISIONS

- 2.1 AT&T-21STATE's obligation to provide Resale Services under this Attachment is subject to availability of existing facilities. CLEC may resell Telecommunications Services provided hereunder only in those service areas in which such Resale Services or any feature or capability thereof are currently offered to AT&T-21STATE's End Users at retail.
- 2.2 Notwithstanding any other provision in this Agreement or in any applicable Tariff, once a retail service has been grandfathered it is available to CLEC for resale pursuant to the rates, terms and conditions of the state-specific retail Tariff and only:
 - (i) to the same End User; and
 - (ii) at that same End User's existing location;
 - (iii) both as of the time of that service's grandfathering.
- 2.3 AT&T-21STATE may withdraw the availability of certain Telecommunication Services that AT&T-21STATE previously provisioned to CLEC or retail End Users pursuant to C.F.R 51.325 through 51.335 as such rules may be amended from time to time (the "Network Disclosure Rules").
- 2.4 CLEC shall not use any Resale Services to avoid the rates, terms and conditions of AT&T-21STATE's corresponding retail Tariff(s). Moreover, CLEC shall not use any Resale Services to provide access or interconnection services to itself, interexchange carriers (IXCs), wireless carriers, competitive access providers (CAPs), interconnected VoIP providers (IVPs), mobile virtual network operators (MVNOs), or other Telecommunications providers; provided, however, that CLEC may permit its End Users to use resold local exchange telephone service to access IXCs, wireless carriers, CAPs, or other retail Telecommunications providers. CLEC may not resell any Resale Services to another CLEC, including its own Affiliate(s).
- 2.5 Except as otherwise expressly provided herein, the state-specific retail Tariff(s) shall govern the rates, terms and conditions associated with the Telecommunications Services available to CLEC for resale, except for any resale restrictions; provided, however, that any restrictions on further resale by the End User shall continue to apply. CLEC and its End Users may not use Resale Services in any manner not permitted for AT&T-21STATE's End Users. Any change to the rates, terms and conditions of any applicable Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- 2.6 CLEC shall only sell Plexar®, Centrex and Centrex-like services to a single End User or multiple End User(s) in accordance with the terms and conditions set forth in the retail Tariff(s) applicable to the state(s) in which service is being offered.
- 2.7 Except where otherwise explicitly permitted in AT&T-21STATE's Tariff(s), CLEC shall not permit the sharing of Resale Services by multiple End User(s) or the aggregation of traffic from multiple End User(s) onto a single service.
- 2.8 CLEC shall only provide Resale Services under this Attachment to the same category of End User(s) to which AT&T-21STATE offers such services (for example, residence service shall not be resold to business End Users).
- 2.9 Special Needs Services are services for the physically disabled as defined in state-specific Tariffs. Where available for resale in accordance with state-specific Tariffs, CLEC may resell Special Needs Services to End Users who are

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eligible for each such service. To the extent CLEC provides Resale Services that require certification on the part of the End User, CLEC shall ensure that the End User meets all the Tariff eligibility requirements, has obtained proper certification, continues to be eligible for the program(s), and complies with all rules and regulations as established by the appropriate Commission and state Tariffs.

- When ordering Resale Services that have an eligibility requirement (e.g., available only in a "retention", "winback", or "competitive acquisition" setting), CLEC shall maintain (and provide to AT&T-21STATE upon reasonable request) appropriate documentation, including, but not limited to, original End User service order data, evidencing the eligibility of its End User(s) for such offering or promotion. AT&T-21STATE may request up to one (1) audit for each promotion per twelve (12) month period that may cover up to the preceding twenty-four (24) month period.
- 2.11 Promotions of ninety (90) calendar days or less ("Short-Term Promotions") shall not be available for resale. Promotions lasting longer than ninety (90) calendar ("Long-Term Promotions") may be made available for resale. AT&T 21-STATE may eliminate any Resale Discount on all or certain Long-Term Promotions by providing a 45-day notice of such elimination.
- 2.12 If CLEC is in violation of any provision of this Attachment, AT&T-21STATE will notify CLEC of the violation in writing ("Resale Notice"). Such Resale Notice shall refer to the specific provision being violated. CLEC will have the breach cure period as specified in the General Terms and Conditions of this Agreement to correct the violation and notify AT&T-21STATE in writing that the violation has been corrected. AT&T-21STATE will bill CLEC the greater of:
 - (i) the charges that would have been billed by AT&T-21STATE to CLEC or any Third Party but for the stated violation; or
 - (ii) the actual amounts CLEC billed its End User(s) in connection with the stated violation.
- 2.13 Notwithstanding any other provision of this Agreement, CLEC acknowledges and agrees that the assumption or resale to similarly-situated End Users of customer specific arrangement contracts, individual case basis contracts, or any other customer specific pricing contract is not addressed in this Agreement and that if CLEC would like to resell such arrangements, it may only do so consistent with applicable law and after negotiating an amendment hereto that establishes the rates, terms and conditions thereof. Such amendment will only be effective upon written execution by both Parties and approval by the Commission(s).
- 2.14 Except where otherwise required by law, CLEC shall not, without AT&T-21STATE's prior written authorization, offer the services covered by this Attachment using the trademarks, service marks, trade names, brand names, logos, insignia, symbols or decorative designs of AT&T-21STATE or its Affiliates, nor shall CLEC state or imply that there is any joint business association or similar arrangement with AT&T-21STATE in the provision of Telecommunications Services to CLEC's End Users.

3.0 PRICING AND DISCOUNTS

- 3.1 "Resale Discount" means the applicable discount off retail rates applied to AT&T-21STATE Telecommunications Services resold by CLEC to its End Users. Any change to the rates, terms and conditions of any applicable retail Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- The Resale Discounts in the underlying Interconnection Agreement will apply until AT&T-21STATE provides notification of change to the Resale Discounts. AT&T-21STATE will provide such notification at least three (3) months in advance of any change to current Resale Discounts. Changes to the Resale Discounts will be posted to AT&T CLEC Online and will be incorporated by reference upon the effective date stated therein. For avoidance of doubt, changes to Resale Discounts do not apply to Embedded Base Resale until August 2, 2022.

4.0 RESPONSIBILITIES OF PARTIES

4.1 CLEC shall be responsible for modifying and connecting any of its systems with AT&T-21STATE-provided interfaces, as outlined in Attachment 07 – Operations Support Systems (OSS), and CLEC agrees to abide by AT&T-21STATE procedures for ordering Resale Services. CLEC shall obtain End User authorization as required by applicable federal and state laws and regulations and assumes responsibility for applicable charges as specified in Section 258(b) of the Act.

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- 4.2 CLEC shall release End User accounts in accordance with the directions of its End Users or an End User's authorized agent. When a CLEC End User switches to another carrier, AT&T-21STATE may reclaim the End User or process orders for another carrier, as applicable.
- 4.3 CLEC will have the ability to report trouble for its End Users to the appropriate AT&T-21STATE maintenance center(s) as provided in the CLEC Online Handbook(s). CLEC End Users calling AT&T-21STATE will be referred to CLEC at the telephone number(s) provided by CLEC to AT&T-21STATE. Nothing herein shall be interpreted to authorize CLEC to repair, maintain, or in any way touch AT&T-21STATE's network facilities, including without limitation those facilities on End User premises.
- 4.4 CLEC's End Users' that activate Call Trace, or who are experiencing annoying calls, should contact law enforcement. Law Enforcement works with the appropriate AT&T-21STATE operations centers responsible for handling such requests. AT&T-21STATE shall notify CLEC of requests by its End Users to provide call records to the proper authorities. Subsequent communication and resolution of each case involving one of CLEC's End Users (whether that End User is the victim or the suspect) will be coordinated through CLEC. AT&T-21STATE shall be indemnified, defended and held harmless by CLEC and/or the End User against any claim, loss or damage arising from providing this information to CLEC. It is the responsibility of CLEC to take the corrective action necessary with its End User who makes annoying calls. Failure to do so will result in AT&T-21STATE taking corrective action, up to and including disconnecting the End User's service.
- 4.5 CLEC acknowledges that information AT&T-21STATE provides to law enforcement agencies at the agency's direction (e.g., Call Trace data) shall be limited to available billing number and address information. It shall be CLEC's responsibility to provide additional information necessary for any law enforcement agency's investigation.
 - 4.5.1 In addition to any other indemnity obligations in this Agreement, CLEC shall indemnify AT&T-21STATE against any Claim that insufficient information led to inadequate prosecution.
 - 4.5.2 AT&T-21STATE shall handle law enforcement requests in accordance with the Law Enforcement provisions of the General Terms and Conditions of this Agreement.

5.0 BILLING AND PAYMENT OF RATES AND CHARGES

- 5.1 CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC's location and its End Users' service locations.
 - 5.1.1 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T-21STATE for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T-21STATE.
- 5.2 AT&T-21STATE shall not be responsible for how the associated charges for Resale Services may be allocated to End Users or others by CLEC. Applicable rates and charges for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.
 - 5.2.1 Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.
 - 5.2.2 If CLEC does not wish to be responsible for payment of charges for toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is CLEC's responsibility to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.
- 5.3 CLEC shall pay the Federal End User Common Line (EUCL) charge and any other appropriate FCC or Commission-approved charges, as set forth in the appropriate Tariff(s), for each local exchange line furnished to CLEC under this

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To the extent allowable by law, CLEC shall be responsible for both Primary Interexchange Carrier (PIC) and Local Primary IntraLATA Presubscription (LPIC) change charges associated with each local exchange line furnished to CLEC under this Attachment. CLEC shall pay all charges for PIC and LPIC changes at the rates set forth in the Pricing Schedule or, if any such rate is not listed in the Pricing Schedule, then as set forth in the applicable Tariff.

6.0 ANCILLARY SERVICES

- 6.1 E911 Emergency Service: The terms and conditions for the provision of AT&T-21STATE 911 services are contained in Attachment 911/E911.
- Payphone Services: CLEC may provide certain local Telecommunications Services to Payphone Service Providers (PSPs) for PSPs' use in providing payphone service. Rates for Payphone Services are established under the provisions of Section 276 of the Federal Telecommunications Act of 1996 and are not eligible for the Resale Discount unless required by State Commission order(s). However, given certain billing system limitations, the Resale Discount may be applied to Payphone Services, unless and until AT&T-21STATE is able to modify its billing system, AT&T-21STATE may issue true-up bills in accordance with the provisions set forth in the General Terms and Conditions.

7.0 SUSPENSION OF SERVICE

- 7.1 See applicable Tariff(s) for rates, terms and conditions regarding Suspension of Service.
- 7.2 AT&T-21STATE will offer Suspension of Service to CLEC for CLEC initiated suspension of service of the CLEC's End Users. This service is not considered a Telecommunications Service and will receive no Resale Discount.

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP	Zone 2	UEANL	UEAL2	2
A.1	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-		LIEALO	
AL	UNBUNDLED EXCHANGE ACCESS	Zone 2 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEAL2	2
AL	LOOP	Zone 3	UEANL	UEAL2	3
AL	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEALZ	3
AL	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	OL/ II VL	OLITE	
AL	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-		52.152	
AL	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
AL	LOOP UNBUNDLED EXCHANGE ACCESS	Zone 3	UEANL	UEASL	3
Α.Ι	LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-		LIEACI	
AL	UNBUNDLED EXCHANGE ACCESS	Zone 3 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Manual Order	UEANL	UEASL	3
AL	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
		Coordination for GVE-SETS (per 100p)	OLANL	ULAIVIC	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
AL	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS	(F3. 2 0.0)	- ·· · -		
AL	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1			
AL	LOOP	[DISCONNECT]	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
AL	LOOP	Loop-SL1	UEANL	UREPM	

		B (E) (B) (000 (0)		
State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description 2-Wire Unbundled Copper Loop - Non-Designed Zone	COS (Class of Service)	USOC	Zone
	LOOP	2-wire Unbundled Copper Loop - Non-Designed Zone	LIFO	LIFOOY	1
AL	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone	UEQ	UEQ2X	1
Λ1	LOOP		LIFO	LIFONY	4
AL	UNBUNDLED EXCHANGE ACCESS	1 [DISCONNECT] 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	1
	LOOP	11 1	LIFO	LIFOOY	
AL	UNBUNDLED EXCHANGE ACCESS	2 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	2
Λ1	LOOP	• • • • • • • • • • • • • • • • • • • •	LIFO	LIFOXY	0
AL	UNBUNDLED EXCHANGE ACCESS	2 [DISCONNECT] 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	2
Λ1	LOOP		LIFO	LIFOXY	2
AL	UNBUNDLED EXCHANGE ACCESS	3 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	3
Λ1	LOOP	• • • • • • • • • • • • • • • • • • • •	UEQ	LIFOXY	2
AL	UNBUNDLED EXCHANGE ACCESS	3 [DISCONNECT] 2 Wire Unbundled Copper Loop - Tag Loop at End	UEQ	UEQ2X	3
٨١	LOOP	User Premise	UEQ	URETL	
AL	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic	UEQ	UREIL	
AL	LOOP	1st Half Hour	UEQ	URET1	
AL	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic	UEQ	UKETT	
AL	LOOP	Additional Half Hour	UEQ	URETA	
AL	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper	UEQ	UKETA	
AL	LOOP	· ·	UEQ	USBMC	
AL	UNBUNDLED EXCHANGE ACCESS	Loop - Non-Designed (per loop)	UEQ	USDIVIC	
AL	LOOP	Pulls Migration, par 2 Wire LICL ND	UEQ	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire UCL-ND	UEQ	UKEPIN	
AL	LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS	Duik Migration, per 2 Wire OCL-ND [DISCOMNECT]	UEQ	UKEPIN	
AL	LOOP	Pulls Migration Order Coordination, per 2 Wire LICE ND	UEQ	UREPM	
AL	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPIVI	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
AL	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
AL	LOOF	Conversion rate per one Loop, Single LSK, (per DSO)	UEA	UKESL	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
AL	LOOP	Conversion rate per UNE Loop, Spreadsheet (per DS0)	UEA	URESP	
AL	UNBUNDLED EXCHANGE ACCESS	Conversion rate per ONE Loop, Spreadsheet (per DS0)	UEA	UKESP	
Λ.	LOOP	Bulk Migration, per 2 Wire Voice Lean SL2	UEA	UREPN	
AL	LUUP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UKEPN	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice		LIDEDM	
AL	LOOP UNBUNDLED EXCHANGE ACCESS	Loop-SL2	UEA	UREPM	
AL	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
\	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1	OLA	ULAL4	!
AL	LOOP	[DISCONNECT]	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	[5.000/MEDI]	OL/(J L / L T	'
AL	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2			
AL	LOOP	[DISCONNECT]	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS				
AL	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3			
AL	LOOP	[DISCONNECT]	UEA	UEAL4	3
	LINDUNDI ED EVOLIANOE ACCECO	A Million A color of Victor Consider Language Color And In			
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is	1154	LIBEOL	
AL	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0) 4-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	URESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
AL	LOOP	DS0)	UEA	URESP	
	LOOF	2-Wire Analog Voice Grade Loop - Service Level 2	OLA	UNLSF	
AL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
	C. LE EGG! GG!!!!!!!!GE!!G	2-Wire Analog Voice Grade Loop - Service Level 2	111000	02/12	'
		w/Loop or Ground Start Signaling - Zone 1			
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
AL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 2			
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
AL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
A 1	LINE LOOP COMMINGUING	w/Loop or Ground Start Signaling - Zone 3	NTOVO	LIEALO	
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
<u> </u>	110000	2-Wire Analog Voice Grade Loop - Service Level 2	(0.000 0.000)	3333	
AL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
		, , ,			
		2-Wire Analog Voice Grade Loop - Service Level 2			
AL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
AL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
AL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2	NTO (O	LIEADO	
AL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
		2 Wire Angles Vaice Crade Lean Comice Level 2			
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEAR2	3
AL	ONE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NICVG	UEARZ	3
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
AL	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
	ONE EGG! GOMMINGENG	2-Wire Analog Voice Grade Loop - Switch-As-Is	111010	ONLOC	
		Conversion rate per UNE Loop, Spreadsheet (per			
AL	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
		2-Wire Analog Voice Grade Loop - Loop Tagging -			
AL	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
		4-Wire Analog Voice Grade Loop - Zone 1			
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
l		4-Wire Analog Voice Grade Loop - Zone 2			_
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
A 1	LINE LOOP COMMUNICUING	4-Wire Analog Voice Grade Loop - Zone 3	NTOVO	115 4	
AL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
AL	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
AL	UNE LOOP COMMUNICATING	Conversion rate per one Loop, single LSR, (per DS0)	NICVG	UKESL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
		Conversion rate per UNE Loop, Spreadsheet, (per			
AL	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
	CINDOINDEED DEDICATED TRAINER ORT	Therefore Gharmer Bet per fille	01101	TLOXX	+
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
		Interoffice Channel - DS1 - Facility Termination			
AL	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD1	U1TF1	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
AL	UNBUNDEED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	01103	01113	
AL	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD3	U1TF3	
/\L	CHECHELE BESIGNIES THANKS ON	4-Wire Analog Voice Grade Loop in Combination -	01120	01110	+
AL	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			+ -
AL	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			
AL	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
AL	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
AL	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
		4-Wire Analog Voice Grade Loop in Combination -			_
AL	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
Δ1	ENHANCED EVTENDED LINK (EEL a)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	,
AL AL	ENHANCED EXTENDED LINK (EELs) ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X UNC1X	USLXX	1 2
AL	ENHANCED EXTENDED LINK (EELS)	4-Wire DS1 Digital Loop in Combination - Zone 2 4-Wire DS1 Digital Loop in Combination - Zone 2	UNCIA	USLAA	
AL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
		4-Wire DS1 Digital Loop in Combination - Zone 3			
AL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
AL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
AL	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
AL	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
AL	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
AL	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	
		Service Rearrangements - NRC - Order Coordination			
AL	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

			1		
State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
- Ctato	UNBUNDLED EXCHANGE ACCESS	Tato Lionioni Doconpuon	(0.000 0.000 0.000)		
AR	LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
7.11.	UNBUNDLED EXCHANGE ACCESS	2 Trito / titalog 200p 2010 T (Talai)		021	
AR	LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
7.11.	UNBUNDLED EXCHANGE ACCESS	2 Trito / titalog 200p 20110 2 (Odbarbarry		021	_
AR	LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
7.11 (UNBUNDLED EXCHANGE ACCESS	2 Trito / titalog 200p 20110 0 (Cibali)		021	
AR	LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
	UNBUNDLED EXCHANGE ACCESS	The same group and the same same same same same same same sam			
AR	LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
	UNBUNDLED EXCHANGE ACCESS	The same group and a community			
AR	LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop Cross Connect to Collocation -			
AR	LOOP	Cross Connect		UCXC2	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop to Collocation (without testing) -			
AR	LOOP	Cross Connect		UCXD2	
	UNBUNDLED EXCHANGE ACCESS				
AR	LOOP	4-Wire Analog Loop to Collocation - Cross Connect		UCXC4	
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Loop to Collocation (without testing) -			
AR	LOOP	Cross Connect		UCXD4	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile		ULNHS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile		ULNHS	
		,			
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile		ULNJS	
				0 = 7 10 0	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile		ULNJS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS1 to Collocation		UCXHX	
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS3 to Collocation		UCXJX	
,	C. LECTION DEDICATED TO MICH ON	2 : 0.000 00mmon 200 to 00moodiion		22/10/1	
AR	UNBUNDI ED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
AR	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Floudet	Nate Liement Description	COS (Class of Service)	0300	Zone
AR	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 1 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 2 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+ EE71+, EE72+, EE73+, EE75+, EE76+,	LK4WA	2
СА	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 3 (OANAD Terminology - 4-Wire Link)	EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Statewide	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	
СА	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Loop - CO Facility Interface Connection (OANAD Terminology - 4-Wire - CO Facility Interface Connection)		3F74X	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage)	CT1++, EE7M+	1L5UB	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile)			
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage)	CT3++, EE7P+, EE7Q+	1L5UB	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile) MULTIPLEXING - DS-1/DS-0 MUX			
CA	UNBUNDLED DEDICATED TRANSPORT	(OANAD Terminology - DS0/DS1)	CT1++, EE7M+	MQ1UB	
CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3)	CT3++, EE7P+, EE7Q+	MQ3UB	

State	Product	Rate Element Description	COS (Class of Service)	USOC Zono
		Non Recurring Service Order/Channel Rates - Connect - Multiplexing	,	
CA	UNBUNDLED DEDICATED TRANSPORT	DS1/DS0 (Mechanized)		
C A	LINDUNDUED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT2 FEZD. FEZO.	MOSHIC
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect -	CT3++, EE7P+, EE7Q+	MQ3UC
CA	UNBUNDLED DEDICATED TRANSPORT	MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX91
		Non Recurring Service Order/Channel Rates - Connect - Multiplexing	, ,	
CA	UNBUNDLED DEDICATED TRANSPORT	DS3/DS1 (Mechanized)		
C A	LINDUNDI ED DEDICATED TOANCOORT	Non Recurring Service Order/Channel Rates - Disconnect -	OT4 FE7NA.	MOALID
CA	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1/DS0 (CESAR/LEX - Simple) Non Recurring Service Order/Channel Rates - Disconnect -	CT1++, EE7M+	MQ1UD
CA	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX99
		Non Recurring Service Order/Channel Rates - Disconnect -	•	
CA	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1/DS0 (Mechanized)		
	LINEUNEL ED DEDIGATED ED ANGDORT	Non Recurring Service Order/Channel Rates - Disconnect -	070 5570 5570	MOOUE
CA	UNBUNDLED DEDICATED TRANSPORT	MultiplexingDS3/DS1 (CESAR/LEX - Simple) Non Recurring Service Order/Channel Rates - Disconnect -	CT3++, EE7P+, EE7Q+	MQ3UD
CA	UNBUNDLED DEDICATED TRANSPORT	MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX99
		Non Recurring Service Order/Channel Rates - Disconnect -	, , ,	
CA	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3/DS1 (Mechanized)		
		Non Recurring Service Order/Channel Rates - Change - Multiplexing		
CA	UNBUNDLED DEDICATED TRANSPORT	DS1/DS0 (CESAR/LEX - Simple) Non Recurring Service Order/Channel Rates - Change - Multiplexing		
CA	UNBUNDLED DEDICATED TRANSPORT	DS1/DS0 (Mechanized)		
	CHECKELE DESIGNATED THANKS ON	Non Recurring Service Order/Channel Rates - Change -		
CA	UNBUNDLED DEDICATED TRANSPORT	MultiplexingDS3/DS1 (CESAR/LEX - Simple)		
		Non Recurring Service Order/Channel Rates - Change - Multiplexing		
CA	UNBUNDLED DEDICATED TRANSPORT	DS3/DS1 (Mechanized)		
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS1/DS0 (CESAR/LEX - Simple)		
	CINDOINDEED DEDICATED TRAINSFORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing		
CA	UNBUNDLED DEDICATED TRANSPORT	DS1/DS0 (Mechanized)		
		Non Recurring Service Order/Channel Rates - Record -		
CA	UNBUNDLED DEDICATED TRANSPORT	MultiplexingDS3/DS1 (CESAR/LEX - Simple)		
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS3/DS1 (Mechanized)		
		Non Recurring Service Order/Channel Rates - Interoffice		
C A	LINDUNDUED DEDICATED TO ANCOCOT	Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital	OTA FEZM.	HOVOO
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX88

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Non Recurring Service Order/Channel Rates - Interoffice			
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UC	
		Non Recurring Service Order/Channel Rates - Interoffice			
	LINDUNDUED EVOLUNDE ACCECCIOOD	Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital	CT4 FF7M.	MOVOO	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Dedicated Transport DS1 - Initial (Mechanized) Non Recurring Service Order/Channel Rates - Interoffice	CT1++, EE7M+	MOX88	
		Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital			
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX88	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UC	
		Non Recurring Service Order/Channel Rates - Interoffice			
CA	UNBUNDLED DEDICATED TRANSPORT	Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX88	
	ONDONDEED DEDICATED TRANSFORM	Dedicated Transport Dos - Initial (Mechanized)	01011, EE71 1, EE7Q1	WOXOO	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Disconnect -			
CA	UNBUNDLED DEDICATED TRANSPORT	Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX98	
		Non Recurring Service Order/Channel Rates - Interoffice			
CA	UNBUNDLED DEDICATED TRANSPORT	Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UD	
- OA	UNDONDEED DEDICATED TRANSFORT	Digital Dedicated Transport DoT - Illitial (OEGATVLEX - OUTIFICX)	OTTTT, ELTWI	TESOB	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Disconnect -			
CA	UNBUNDLED DEDICATED TRANSPORT	Digital Dedicated Transport DS1 - Initial (Mechanized)	CT1++, EE7M+	MOX98	
		Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect -			
CA	UNBUNDLED DEDICATED TRANSPORT	Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX98	
	CHECKEL DEDICATED HAROFORT	Signal Socioated Transport Soci Titual (Mandairi ax Complex)	01011, LL11 1, LL1Q1	110,000	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Disconnect -			
CA	UNBUNDLED DEDICATED TRANSPORT	Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UD	
		Nee Beauties Canica Onder/Observed Bates Haters/			
		Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect -			
CA	UNBUNDLED DEDICATED TRANSPORT	Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX98	
٠,٠	C	12.3.c. Podiotica (Taliopoli Dec Titudi (Moontained)	0.0, 22.11 1, 22.10(1	11.07.00	1

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Froduct	Non Recurring Service Order/Channel Rates - Interoffice	COS (Class of Service)	0300	Zone
CA	UNBUNDLED DEDICATED TRANSPORT	Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (Manual/Fax - Complex)			
		Non Recurring Service Order/Channel Rates - Interoffice			
	I NIDI NIDI ED DEDIGATED TOANIODODT	Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)			
		Non Recurring Service Order/Channel Rates - Interoffice			
	INDUNDUED DEDICATES TO MISSION	Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (Mechanized)			
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (Manual/Fax - Complex)			
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (CESAR/LEX Complex)			
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Change - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (Mechanized)			
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOCH3	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	SOCH3	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Dedicated Transport DS1 - Initial (Mechanized)			
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	НОСН3	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	SOCH3	
		Non Recurring Service Order/Channel Rates - Interoffice			
		Transmission Facilities - (IOF) Dedicated Transport - Record - Digital			
CA	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport DS3 - Initial (Mechanized)			
CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 2-Wire		ABPM2	
CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 4-Wire		ABPM4	
CA	ADDITIONAL NETWORK ELEMENTS	2-Wire Analog Bridge Plug			
-7.					

State CA	Rate Element Description 4-Wire Analog Bridge Plug	COS (Class of Service)	USOC	Zone

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
FL	LOOP	Zone 3	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			_
FL	LOOP	Zone 3 [DISCONNECT]	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order			
FL	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
	LINDUNDI ED EVOLIANOE ACCESS	O Miles Angle of Vision Oracle Leave Contact Contact			
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination	LIFANI	00001	
FL	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS	Dulle Migration, pag 2 Wire Vaice Last Cl 4		LIDEDA	
FL	LOOP UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
		Bulk Migration, per 2 Wire Voice Loop-SL1		LIDEDA	
FL	LOOP UNBUNDLED EXCHANGE ACCESS	[DISCONNECT] Bulk Migration Order Coordination, per 2 Wire Voice	UEANL	UREPN	
			LIFANI	LIDEDM	
FL	LOOP	Loop-SL1	UEANL	UREPM	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone	,		
FL	LOOP	1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
FL	LOOP	1 [DISCONNECT]	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
FL	LOOP	2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
FL	LOOP	2 [DISCONNECT]	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
FL	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
FL	LOOP	3 [DISCONNECT]	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Tag Loop at End			
FL	LOOP	User Premise	UEQ	URETL	
l	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
FL	LOOP	1st Half Hour	UEQ	URET1	
l	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
FL	LOOP	Additional Half Hour	UEQ	URETA	
l	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper			
FL	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	
_,	UNBUNDLED EXCHANGE ACCESS	Dulla Missastiana yang O Missa LIGI AID	LIFO	LIDEDA	
FL	LOOP UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
_,	LOOP	Bulk Migration per 2 Wire LICE ND IDICCONNECT	UEQ	LIDEDN	
FL	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
 FL	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
FL	LOOP	Bulk Migration Order Coordination, per 2 Wife OCL-ND	UEQ	UKEPIVI	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
FL	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
I L		2-Wire Analog Voice Grade Loop - Switch-As-Is	OEA	UNESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
FL	LOOP	DS0)	UEA	URESP	
I L	UNBUNDLED EXCHANGE ACCESS	000)	OLA	UNESF	
FL	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
I L	LOOI	bulk migration, per 2 write voice Loop-SL2	ULA	UNEFIN	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
FL	LOOP	Loop-SL2	UEA	UREPM	
	UNBUNDLED EXCHANGE ACCESS				
FL	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1		115 41 4	
FL	LOOP UNBUNDLED EXCHANGE ACCESS	[DISCONNECT]	UEA	UEAL4	1
FL	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
FL	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2 4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	
FL	LOOP	[DISCONNECT]	UEA	UEAL4	2
1 -	UNBUNDLED EXCHANGE ACCESS	[DISCONNECT]	OLA	ULAL4	
FL	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
. –	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3	<u> </u>	O E / LE !	
FL	LOOP	[DISCONNECT]	UEA	UEAL4	3
				<u> </u>	
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
FL	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
FL	LOOP	DS0)	UEA	URESP	
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 1	NTO (O	115416	
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEAL2	2
FL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2 2-Wire Analog Voice Grade Loop - Service Level 2	NICVG	UEALZ	
		w/Loop or Ground Start Signaling - Zone 2			
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	2
' -	CITE LOOF GOIVIIVIII VOLIIVO	2-Wire Analog Voice Grade Loop - Service Level 2	141040	ULALZ	
FL	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
- · -		2-Wire Analog Voice Grade Loop - Service Level 2		02/12	
		w/Loop or Ground Start Signaling - Zone 3			
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
' -	ONE EGG! GOIVIIVIII (GEII (G	2-Wire Analog Voice Grade Loop - Service Level 2	141040	OLITICE	
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
				_	
		2-Wire Analog Voice Grade Loop - Service Level 2			
FL	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
FL	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
	ONE EGG! GG!VIIVIII (GEI) (G	2-Wire Analog Voice Grade Loop - Switch-As-Is	111010	ONLOC	
		Conversion rate per UNE Loop, Spreadsheet, (per			
FL	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
		2-Wire Analog Voice Grade Loop - Loop Tagging -			
FL	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
		4-Wire Analog Voice Grade Loop - Zone 1			
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
		4-Wire Analog Voice Grade Loop - Zone 2			
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
		4-Wire Analog Voice Grade Loop - Zone 3	NTC: 15		
FL	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
		4 Mire Analog Voice Orgala Lagra Coultain As Is			
Fi		4-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVC	LIDEOL	
FL	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per			
FL	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Charmer - DST - per fille	OTIDI	ILSAA	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	OTIDI	UTIFI	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
'-	ONDONDEED DEDIGNIED HANGI GIVI	Interoffice Channel - DS3 - Facility Termination	01123	01113	
FL	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD3	U1TF3	
 	HIGH CAPACITY UNBUNDLED LOCAL	2(HEO	41 END	
FL	LOOP HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - per mile Stand Alone - DS3 Unbundled Local Loop - Facility	UE3	1L5ND	
FL	LOOP	Termination	UE3	UE3PX	
' -	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - Facility	OL3	OLSI X	_
FL	LOOP	Termination [DISCONNECT]	UE3	UE3PX	
- · -		4-Wire Analog Voice Grade Loop in Combination -	<u> </u>	020.74	
FL	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
	,	4-Wire Analog Voice Grade Loop in Combination -			
FL	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
	,	4-Wire Analog Voice Grade Loop in Combination -			
FL	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
FL	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
l		4-Wire Analog Voice Grade Loop in Combination -			
FL	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
 	ENHANCED EVENDED LINE (EE)	4-Wire Analog Voice Grade Loop in Combination -	11100.07	115414	
FL	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire DS1 Digital Loop in Combination - Zone 1	•		
FL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	1
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
	` '	4-Wire DS1 Digital Loop in Combination - Zone 2			
FL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
		4-Wire DS1 Digital Loop in Combination - Zone 3			
FL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
FL	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
FL	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
FL	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
FL	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
FL	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	
		Service Rearrangements - NRC - Order Coordination			
FL	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	(0.00)		
GA	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 2	UEANL	UEASL	2
١	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
GA	LOOP	Zone 3	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	LIEANU	115401	
GA	LOOP	Zone 3 [DISCONNECT]	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Loop Testing -	LIFANII	LIDETA	
GA	LOOP UNBUNDLED EXCHANGE ACCESS	Basic Additional Half Hour 2-Wire Analog Voice Grade Loop - Manual Order	UEANL	URETA	
C 4		·	LIFANI	LIEAMO	
GA	LOOP	Coordiantion for UVL-SL1s (per loop)	UEANL	UEAMC	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order			
GA	LOOP	Coordiantion for UVL-SL1s (per loop) [DISCONNECT]	UEANL	UEAMC	
GA	LOOP	Coordiantion for OVE-SETS (per 100p) [DISCONNECT]	UEAINL	UEAIVIC	+
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
GA	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
GA	LUUF	Tot Specified Conversion Time for OVE-SET (per LSR)	UEAINL	UCUSL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1			
GA	LOOP	[DISCONNECT]	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
GA	LOOP	Loop-SL1	UEANL	UREPM	
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
GA	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Tag Loop at End			
GA	LOOP	User Premise	UEQ	URETL	
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	2 Wire Unbundled Copper Loop - Basic 1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
GA	LOOP	Additional Half Hour	UEQ	URETA	
	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper			
GA	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Bulk Migration, per 2			
GA	LOOP	Wire Voice Loop-SL1	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
GA	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
GA	LOOP	DS0)	UEA	URESP	
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
GA	LOOP	Loop-SL2	UEA	UREPM	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1			
GA	LOOP	[DISCONNECT]	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS				
GA	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2		115414	
GA	LOOP UNBUNDLED EXCHANGE ACCESS	[DISCONNECT]	UEA	UEAL4	2
O A		4 Wine Angley Voice Orade Lean Zane 2	LIEA	115014	
GA	LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
C A		4-Wire Analog Voice Grade Loop - Zone 3	LIEA	115014	2
GA	LOOP	[DISCONNECT]	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
GA	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
GA	LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	UKESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
GA	LOOP	DS0)	UEA	URESP	
- 07	2001	2-Wire Analog Voice Grade Loop - Service Level 2	OLA	ONLO	
GA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
	CIVE ECOT CONMINICATION	2-Wire Analog Voice Grade Loop - Service Level 2	141040	OLITE	'
		w/Loop or Ground Start Signaling - Zone 1			
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2		027122	
GA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 2			
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
GA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 3			
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
GA	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Świtch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
GA	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
Otato	Troduct	4-Wire Analog Voice Grade Loop - Switch-As-Is	000 (0.000 0. 00. 1.00)	0000	
		Conversion rate per UNE Loop, Spreadsheet, (per			
GA	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
- O/ (ONDONDEED DEDIGNIED IIVINGI ONI	Interoffice Channel - DS1 - Facility Termination	01121	01111	+
GA	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD1	U1TF1	
			-		
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
		Interoffice Channel - DS3 - Facility Termination			
GA	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD3	U1TF3	
Ο Λ	HIGH CAPACITY UNBUNDLED LOCAL	Chand Alana DC2 Habaradlad Lacel Lace and maile	LIEO	41 END	
GA	LOOP HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - per mile Stand Alone -DS3 Unbundled Local Loop - Facility	UE3	1L5ND	
GA	LOOP	Termination	UE3	UE3PX	
GA	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone -DS3 Unbundled Local Loop - Facility	UE3	UESPA	+
GA	LOOP	Termination [DISCONNECT]	UE3	UE3PX	
- O/ (2001	4-Wire Analog Voice Grade Loop in Combination -	323	0201 X	+
GA	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			
GA	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
	,	4-Wire Analog Voice Grade Loop in Combination -			
GA	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
GA	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			_
GA	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
<u> </u>	ENHANCED EVENIES LINE (SEL.)	4-Wire Analog Voice Grade Loop in Combination -	LINGVO	115414	
	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire DS1 Digital Loop in Combination - Zone 1	(3.3.2.2.2.2.2.3)		
GA	ENHANCED EXTENDED LINK (EELs)	IDISCONNECTI	UNC1X	USLXX	1
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			
GA	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
	` ,	4-Wire DS1 Digital Loop in Combination - Zone 3			
GA	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
GA	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
GA	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
GA	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
GA	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
GA	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	
		Service Rearrangements - NRC - Order Coordination			
GA	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	UNBUNDLED EXCHANGE ACCESS	Rate Liement Description	COS (Class of Service)	0300	Zone
IL	LOOP	2-Wire Analog Loop -Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2HXC	С
	UNBUNDLED EXCHANGE ACCESS	2 Tring / manage 200p - Transa (Francesco / mod 0)		0211/10	+
IL	LOOP	2-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2HXB	В
<u> </u>	UNBUNDLED EXCHANGE ACCESS	2 · · · · · · · · · · · · · · · · · · ·		<u> </u>	
IL	LOOP	2-Wire Analog Loop - Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2HXA	Α
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start Loop, Analog/Reverse Battery-			
IL	LOOP	Rural(Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2WXC	С
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start Loop, Analog/Reverse Battery-	, , ,		
IL	LOOP	Suburban(Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2WXB	В
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start Loop, analog/Reverse Battery-			
IL	LOOP	Metro(Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2WXA	Α
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire Ground Start Loop, PBX-Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2JXC	С
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start Loop, PBX-Suburban (Access			
IL	LOOP	Area B)	MUJ++, EE7JX, UOB++, UOR++	U2JXB	В
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire Ground Start Loop, PBX-Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2JXA	Α
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire COPTS Coin Loop-Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	С
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire COPTS Coin Loop-Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	В
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire COPTS Coin Loop-Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	Α
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	С
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	В
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	Α
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	4-Wire Analog Loop - Rural (Access Area C)	MUJ++, EE7KX, UOB++, UOR++	U4HXC	С
	UNBUNDLED EXCHANGE ACCESS				
IL	LOOP	4-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7KX, UOB++, UOR++	U4HXB	В

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	,	,		
IL	LOOP	4-Wire Analog Loop - Metro Access Area A)	MUJ++, EE7KX, UOB++, UOR++	U4HXA	Α
		Land New Paramires Observed October			
	LINDUNDUED EVOLUNDOE ACCESS	Loop Non-Recurring Charges - Service Ordering	NALL FEELV FEELV FEELV		
l	UNBUNDLED EXCHANGE ACCESS	Charge - Analog Loops - Intitial - Per Occasion	MUJ++, EE7JX, EE7KX, EE7LX,	OFFILE	
IL	LOOP	(Connect + Disconnect Service Order - Initial (Connect) Loop Non-Recurring Charges - Service Ordering	UOB++, UOR++	SEPUP	
	UNBUNDLED EXCHANGE ACCESS	Charge - Analog Loops - Intitial - Per Occasion			
IL	LOOP	(Connect + Disconnect) Service Order - (Disconnect)	MUJ++, UOB++, UOR++	NKCG6	
"-	UNBUNDLED EXCHANGE ACCESS	Loop Non-Recurring Charges - Service Ordering	MUJ++, EE7JX, EE7KX, EE7LX,	NICOU	
IL	LOOP	Charge - Analog Loops - Subsequent - Per Occasion	UOB++, UOR++	REAH9	
		Loop Non-Recurring Charges - Service Ordering			
	UNBUNDLED EXCHANGE ACCESS	Charge - Analog Loops - Record Work Only - Per	MUJ++, EE7JX, EE7KX, EE7LX,		
IL	LOOP	Occasion	UOB++, UOR++	NR9UP	
		DS1 Interoffice Mileage Termination - Per Point of			
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XA	
		DS1 Interoffice Mileage Termination - Per Point of			
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XB	
		DS1 Interoffice Mileage Termination - Per Point of			
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XC	
l	LINDUNDUED DEDICATED TRANSPORT	DC4 lateraffice Miles as Dec Miles All Areas	LIDE FEZNAY LUZA	41/71/4	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXB	
"_	GINDOINDLED DEDICATED TRAINSFORT	DST Interoffice Willeage - Fer Wille - All Areas	OBSTT, ELTIMA, OKTTT	ΠΖΛΟ	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXC	
		DS3 Interoffice Mileage Termination - Per Point of	,,		
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XA	
		DS3 Interoffice Mileage Termination - Per Point of			
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XB	
		DS3 Interoffice Mileage Termination - Per Point of			
IL	UNBUNDLED DEDICATED TRANSPORT	Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXA	

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBC	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXA	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXB	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXC	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XA	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XB	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XC	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Froduct	Dedicated Transport Optional Features & Functions -	COS (Class of Service)	0300	Zone
		DS1 Clear Channel Capability - Per 1.544 Mbps Circuit			
IL	UNBUNDLED DEDICATED TRANSPORT	Arranged	UB5++, EE7MX, UK1++	CLYXA	
		Dedicated Transport Optional Features & Functions -	,,		
		DS1 Clear Channel Capability - Per 1.544 Mbps Circuit			
IL	UNBUNDLED DEDICATED TRANSPORT	Arranged	UB5++, EE7MX, UK1++	CLYXB	
		Dedicated Transport Optional Features & Functions -			
		DS1 Clear Channel Capability - Per 1.544 Mbps Circuit			
IL	UNBUNDLED DEDICATED TRANSPORT	Arranged	UB5++, EE7MX, UK1++	CLYXC	
		Dedicated Transport Installation & Rearrangement			
IL	UNBUNDLED DEDICATED TRANSPORT	Charges - DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
		Dedicated Transport Installation & Rearrangement			
		Charges - DS1 Design & Central Office Connection			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge - Per Circuit	UB5++, EE7MX, UK1++	NRBCL	
l		Dedicated Transport Installation & Rearrangement			
IL	UNBUNDLED DEDICATED TRANSPORT	Charges - DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
l	LINIDI INDI ED DEDIGATED TOANIODODT	Dedicated Transport Installation & Rearrangement	LIDE FETNIX LIKE	00011/	
IL	UNBUNDLED DEDICATED TRANSPORT	Charges - DS3 Administration Charge - Per Order Dedicated Transport Installation & Rearrangement	UB5++, EE7NX, UK3++	ORCMX	
		Charges - DS3 Dedicated Transport Installation &			
l	LINDLINDLED DEDICATED TRANSPORT	Rearrangement Charges - DS3 Design & Central Office	LIDE FEZNY LIZA	NRBC4	
IL	UNBUNDLED DEDICATED TRANSPORT	Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBC4	
IL	LINDLINDLED DEDICATED TRANSPORT	Corrier Connection Charge Box Order	LIDE FEZNY LIZA	NDDDT	
IL	UNBUNDLED DEDICATED TRANSPORT	Carrier Connection Charge - Per Order Enhanced Extended Loop (EEL) Service Order per	UB5++, EE7NX, UK3++	NRBDT	
	UNBUNDLED EXCHANGE ACCESS	LSR - Analog Loop Service Order Charge, per ASR or			
IL	LOOP	LSR - Electronic Establish Connection	EE7JX	NKCAR	
IL	LOOF	Enhanced Extended Loop (EEL) Service Order per	EE/JA	INNUAR	
	UNBUNDLED EXCHANGE ACCESS	LSR - Analog Loop Service Order Charge, per ASR or			
IL	LOOP	LSR - Electronic Establish Disconnection	EE7JX	NKCAS	
		Enhanced Extended Loop (EEL) Service Order per	LLIJA	INICAS	
	UNBUNDLED EXCHANGE ACCESS	LSR - Analog Loop Service Order Charge, per ASR or			
IL	LOOP	LSR - Electronic Establish	EE7JX	NKCAT	
L IL	LOOP	LSR - Electronic Establish	EE/JX	NKCAT	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Froduct	Enhanced Extended Loop (EEL) Service Order per	COS (Class of Service)	0300	Zone
IL	UNBUNDLED EXCHANGE ACCESS LOOP	LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Connection	EE7JX	NKCAU	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Disconnection	EE7JX	NKCAV	
IL	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Manual Subsequent	EE7JX	NKCAW	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection DS1 Transport Service Order Charge Per LSR or ASR -	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Electronic Establish Disconnection DS1 Transport Service Order Charge Per LSR of ASR -	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Manual Establish Connection DS1 Transport Service Order Charge Per LSR or ASR -	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Manual Establish Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection DS3 Transport Service Order Charge Per LSR or ASR -	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Electronic Establish Disconnection DS3 Transport Service Order Charge Per LSR or ASR -	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Manual Establish Connection DS3 Transport Service Order Charge Per LSR or ASR -	EE7NX		
IL 	UNBUNDLED DEDICATED TRANSPORT UNBUNDLED EXCHANGE ACCESS	Manual Establish Disconnection Non-Channelized DS1 EEL Service Order - Electronic	EE7NX		
IL	LOOP UNBUNDLED EXCHANGE ACCESS	Establish Connection Non-Channelized DS1 EEL Service Order - Electronic	EE7MX	NKCB4	
IL	LOOP	Establish Disconnection Provisioning - 2-Wire Analog Loop Connection - Initial	EE7MX	NKCB5	
IL	OPERATIONS SUPPORT SYSTEM	Connection Provisioning - 2-Wire Analog Loop Connection - Initial Provisioning - 2-Wire Analog Loop Connection - Initial	EE7JX	NKCB8	
IL	OPERATIONS SUPPORT SYSTEM	Disconnection Provisioning - 2-Wire Analog Loop Connection -	EE7JX	NKCB9	
IL	OPERATIONS SUPPORT SYSTEM	Additional Connection	EE7JX	NKCBA	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Provisioning - 2-Wire Analog Loop Connection -	·		
IL	OPERATIONS SUPPORT SYSTEM	Additional Disconnection	EE7JX	NKCBB	
l		Provisioining - 4-Wire Analog Loop Connection - Initial		NU(000	
IL	OPERATIONS SUPPORT SYSTEM	Connection	EE7KX	NKCBC	
l .,		Provisioining - 4-Wire Analog Loop Connection - Initial		NIKODD	
IL	OPERATIONS SUPPORT SYSTEM	Disconnection Provisioning 4 Wire Analog Lean Connection	EE7KX	NKCBD	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Additional Connection	EE7KX	NKCBE	
IL	OPERATIONS SUPPORT STSTEM	Provisioning - 4-Wire Analog Loop Connection -	EE/KA	INNOBE	
IL	OPERATIONS SUPPORT SYSTEM	Additional Disconnection	EE7KX	NKCBF	
- _	OFERATIONS SUFFORT STSTEM	Provisioning - Central Office Multiplexing DS1 to Voice -	LE/KX	INICOL	
IL	UNBUNDLED DEDICATED TRANSPORT	Initial Connection	EE7MX		
	UNBOINDLED DEDICATED TRAINSPORT	Provisioning - Central Office Multiplexing DS1 to Voice -	LLTIVIA		
IL	UNBUNDLED DEDICATED TRANSPORT	Initia Disconnection	EE7MX		
	ONDONDEED DEDIGNIED TO MICE ON	Provisioning - Central Office Multiplexing DS1 to Voice -	EETWIX		
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Connection	EE7MX		
		Provisioning - Central Office Multiplexing DS1 to Voice -			
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Disconnection	EE7MX		
		Provisioning - DS1 Interoffice UDT - Collocated Initial			
IL	UNBUNDLED DEDICATED TRANSPORT	Connection	EE7MX		
		Provisioning - DS1 Interoffice UDT - Collocated Initial			
IL	UNBUNDLED DEDICATED TRANSPORT	Disconnection	EE7MX		
		Provisioning - DS1 Interoffice UDT - Collocated			
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Connection	EE7MX		
		Provisioning - DS1 Interoffice UDT - Collocated			
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Disconnection	EE7MX		
		Provisioning - 4-Wire DS1 Digital Loop to DS1			
IL	UNBUNDLED DEDICATED TRANSPORT	Interoffice UDT - Collocated - Initial Connection	EE7MX	NKCBT	
		Provisioning - 4-Wire DS1 Digital Loop to DS1			
IL	UNBUNDLED DEDICATED TRANSPORT	Interoffice UDT - Collocated - Initial Disconnection	EE7MX	NKCBU	
		Provisioning - 4-Wire DS1 Digital Loop to DS1			
IL	UNBUNDLED DEDICATED TRANSPORT	Interoffice UDT - Collocated - Additional Connection	EE7MX	NKCBV	
		Drawinianian A Wine DOA Digital Lagrage Ap DOA			
,,	LINIDI INDI ED DEDICATED TOANGOOST	Provisioning - 4-Wire DS1 Digital Loop to DS1		NICODIAL	
IL	UNBUNDLED DEDICATED TRANSPORT	Interoffice UDT - Collocated - Additional Disconnection	EE7MX	NKCBW	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
l	LINDUNDI ED DEDICATED TRANSDORT	Provisioning - DS3 Interoffice UDT - Collocated - Initial	FFZNV		
IL	UNBUNDLED DEDICATED TRANSPORT	Connection Provisioning - DS3 Interoffice UDT - Collocated - Initial	EE7NX		
l ,,	UNBUNDLED DEDICATED TRANSPORT	Disconnection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated -	EE/NA		
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Connection	EE7NX		
IL.	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated -	EE/NA		
IL	UNBUNDLED DEDICATED TRANSPORT	Additional Disconnection	EE7NX		
'	CINDOINDLED DEDICATED TRANSFORT	Additional Disconnection	LL/IVA		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Initial, Install	EE7MX	NKCC6	
	CHECHELE BEDIONIED INVINCIONI	Provisioning - Clear Channel Capability Additional,	EL7 WIX	1411000	
IL	UNBUNDLED DEDICATED TRANSPORT	Install	EE7MX		
	CHECHELE BESIGNIES HOWER CITY	Provisioning - Clear Channel Capability Additional,			
IL	UNBUNDLED DEDICATED TRANSPORT	Disconnect	EE7MX	NKCC7	
	CHECKELE BESIGNIES THURSE SIX	Special Access to UNE Conversion - Channelized		1111001	
		Facility from Cage, DS1, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7MX	NKCC9	
		Special Access to UNE Conversion - Channelized			
		Facility from Cage, DS3, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7MX	NKCCA	
		Special Access to UNE Conversion - Non-Channelized			
		Facility from Cage, DSO, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7JX, EE7KX, EE7LX	NKCCB	
		Special Access to UNE Conversion - Non-Channelized			
		Facility from Cage, DS1, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7MX	NKCCC	
		Special Access to UNE Conversion - Non-Channelized			
		Facility from Cage, DS3, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	charge	EE7NX	NKCCD	
		Special Access to UNE Conversion - Channelized			
		Facility from POP, DS1, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	charge	EE7MX	NKCCE	
		Special Access to UNE Conversion - Channelized			
		Facility from POP, DS3, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7NX	NKCCF	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Special Access to UNE Conversion - Channelized			
		Facility from POP, DS0, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge			
		Special Access to UNE Conversion - Non-Channelized			
		Facility from POP, DSO, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge			
		Special Access to UNE Conversion - Non-Channelized			
		Facility from OPO, DSO, Design and coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7JX, EE7KX, EE7LX	NKCCG	
		Special Access to UNE Conversion - Non-Channelized			
		Facility from POP, DS1, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7MX	NKCCH	
		Special Access to UNE Conversion - Non-Channelized			
		Facility from POP, DS3, Design and Coordination			
IL	UNBUNDLED DEDICATED TRANSPORT	Charge	EE7NX	NKCCJ	
		Special Access to UNE Conversion - Private Line to			
IL	UNBUNDLED DEDICATED TRANSPORT	UNE Conversion			
		Special Access to UNE Conversion - AC2U Project	EE7JX, EE7KX, EE7LX, EE7MX,		
IL	UNBUNDLED DEDICATED TRANSPORT	Administrative Activity Per Service Circuit	EE7NX	NKCC8	
			MILLS HODS HODS HOS		
l	LINDUNDUED DEDICATED TO ANGROST	Davidina Madiffications to Eviction Facilities Of sever	MUJ++, UOB++, UOR++, UB5++,		
IL	UNBUNDLED DEDICATED TRANSPORT	Routine Modiifications to Existing Facilities Charge	EE7MX, EE7NX, UK3++, UK1++		

	5	B (E) ((B) ((C)	000 (0)		_
State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	USOC	Zone
l _{IN}	LOOP	2 Wire Analog Burel (Bote Class 1)	MILL, EEZIV HOB., HOB.,	U2HX1	1
IIN	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	UZHXI	ı
l ini	LOOP	2 Wire Analog Suburban (Bate Class 2)	MILL. FEZIX LIOD LIOD	U2HX2	2
IN	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	υΖΠΛΖ	
IN	LOOP	2-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2HX3	3
HIN	UNBUNDLED EXCHANGE ACCESS	2-Wire Arialog - Metro (Rate Class 3) 2-Wir Ground Start, DID/Reverse Battery - Rural (Rate	IVIOSTT, EE/SA, OODTT, OORTT	υζΠΛ	3
IN	LOOP	Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2WX1	1
IIN	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, DID/Reverse Battery - Suburban	WOJTT, LLTJX, OODTT, OOKTT	OZVVXI	'
IN	LOOP	(Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2WX2	2
IIN	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, DID/Reverse Battery - Metro	WOSTT, ELTSA, OOBTT, OOKTT	UZVVXZ	
l in	LOOP	(Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2WX3	3
111	UNBUNDLED EXCHANGE ACCESS	(Nate Class 3)	1003++, EE73X, OOB++, OOK++	024473	3
l in	LOOP	2-Wire Ground Start, PBX - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2JX1	1
	UNBUNDLED EXCHANGE ACCESS	2 Wile Cround Start, 1 BX Traiai (Trate Glass 1)	WOOTT, ELFOX, COBTT, CORTT	OZOXI	
l in	LOOP	2-Wire Ground Start, PBX - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2JX2	2
	UNBUNDLED EXCHANGE ACCESS	2 vino croana ciari, i Bix Cabarban (Nato ciaco 2)	Wiedin, 2276X, 66211, 66111	OZOXZ	
l in	LOOP	2-Wire Ground Start, PBX - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2JX3	3
	UNBUNDLED EXCHANGE ACCESS	2 This Ground Start, 1 Bit Motio (Mate State 6)		020/10	
IN	LOOP	2-Wire COPTS Coin - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2CX1	1
<u> </u>	UNBUNDLED EXCHANGE ACCESS			0_0/()	<u>'</u>
IN	LOOP	2-Wire COPTS Coin - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2CX2	2
	UNBUNDLED EXCHANGE ACCESS				
IN	LOOP	2-Wire COPTS Coin - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2CX3	3
	UNBUNDLED EXCHANGE ACCESS	,			
IN	LOOP	2-Wire EKL - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2KX1	1
	UNBUNDLED EXCHANGE ACCESS	,			
IN	LOOP	2-Wire EKL - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2KX2	2
	UNBUNDLED EXCHANGE ACCESS				
IN	LOOP	2-Wire EKL - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2KX3	3
	UNBUNDLED EXCHANGE ACCESS	·			
IN	LOOP	4-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7KX, UOB++, UOR++	U4HX1	1
	UNBUNDLED EXCHANGE ACCESS				
IN	LOOP	4-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7KX, UOB++, UOR++	U4HX2	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
IN	LOOP	4-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7KX, UOB++, UOR++	U4HX3	3
		Interoffice Transport DS1 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
		Interoffice Transport DS1 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
		Interoffice Transport DS1 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
		Interoffice Transport DS3 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
		Interoffice Transport DS3 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
		Interoffice Transport DS3 Interoffice Mileage			
IN	UNBUNDLED DEDICATED TRANSPORT	Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
		Interoffice Transport DS3 Interoffice Mileage - Per Mile			
IN	UNBUNDLED DEDICATED TRANSPORT	- All Zones	UB5++, EE7NX, UK3++	1YZB1	
		Interoffice Transport DS3 Interoffice Mileage - Per Mile			
IN	UNBUNDLED DEDICATED TRANSPORT	- All Zones	UB5++, EE7NX, UK3++	1YZB2	
		Interoffice Transport DS3 Interoffice Mileage - Per Mile			
IN	UNBUNDLED DEDICATED TRANSPORT	- All Zones	UB5++, EE7NX, UK3++	1YZB3	
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Enhanced Extended Loop (EEL) Service Order			
	UNBUNDLED EXCHANGE ACCESS	per LSR Electronic, Analog 2-Wire Digital Loop,			
IN	LOOP	Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAR	
		Enhanced Extended Loop (EEL) Service Order per			
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, Analog 2-Wire Digital Loop,			
IN	LOOP	Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAS	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Product	Enhanced Extended Loop (EEL) Service Order per	COS (Class of Service)	0300	Zone
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, Analog 2-Wire Digital Loop,			
IN	LOOP	Subsequent Order	EE7JX, EE7KX, EE7LX	NKCAT	
1111	LOOI	Enhanced Extended Loop (EEL) Service Order per	LL10X, LL11X, LL1LX	INICAT	
	UNBUNDLED EXCHANGE ACCESS	LSR Manual, Analog 2-Wire Digital Loop,			
IN	LOOP	Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAU	
1111	LOOI	Enhanced Extended Loop (EEL) Service Order per	LL10X, LL11X, LL1LX	NINCAU	
	UNBUNDLED EXCHANGE ACCESS	LSR manual, Analog 2-Wire Digital Loop,			
IN	LOOP	Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAV	
IIN	LOOF	Enhanced Extended Loop (EEL) Service Order per	LL13X, LL1XX, LL1LX	INICAV	
	UNBUNDLED EXCHANGE ACCESS	LSR Manual, Analog 2-Wire Digital Loop, Subsequent			
IN	LOOP	Order	EE7MX	NKCAW	
IIN	LOOF	Enhanced Extended Loop (EEL) Service Order per	LL/ WX	INICAW	
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, DS1 Loop, Establishment Request,			
IN	LOOP	Install	EE7MX	NKCAX	
IIN	LOOP	Enhanced Extended Loop (EEL) Service Order per	EL/IVIA	INCAX	
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, DS1 Loop, Establishment Request,			
IN	LOOP	Disconnect	EE7MX	NKCAY	
IIN	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) Service Order per	EE/IVIA	INCAT	
IN	LOOP	LSR Electronic, DS1 Loop, Subsequent Order	EE7MX	NKCAZ	
IIN	LOOP	LSK Electronic, DST Loop, Subsequent Order	EE/IVIA	INNUAL	
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) Service Order per			
IN	LOOP	LSR Manual, DS1 Loop, Establishment Request, Install	EE7MX	NKCB1	
IIN	LOOP	Enhanced Extended Loop (EEL) Service Order per	EL/IVIA	INICOI	
	UNBUNDLED EXCHANGE ACCESS	LSR Manual, DS1 Loop, Establishment Request,			
IN	LOOP	Disconnect	EE7MX	NKCB2	
IIN	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) Service Order per	EE/IVIA	INNUDZ	
IN	LOOP	LSR Manual, DS1 Loop, Subsequent Order	EE7MX	NKCB3	
IIN	LOOF	Enhanced Extended Loop (EEL) Service Order per	EE/IVIA	INICOS	
		LSR Electronic, DS1 or DS3 Transport, Establishment			
IN	UNBUNDLED DEDICATED TRANSPORT	Request, Install			
IIN	UNDUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per			
		LSR Electronic, DS1 or DS3 Transport, Establishment			
INI	LINDUNDUED DEDICATED TRANSPORT				
IN	UNBUNDLED DEDICATED TRANSPORT	Request, Disconnect			

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Manual, DS1 or DS3 Transport, Establishment			
IN	UNBUNDLED DEDICATED TRANSPORT	Request, Install			
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Manual, DS1 or DS3 Transport, Establishment			
IN	UNBUNDLED DEDICATED TRANSPORT	Request, Disconnect			
		Enhanced Extended Loop (EEL) Service Order per			
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, Non-channelized DS1 EEL,			
IN	LOOP	Establishment Request, Install	EE7MX	NKCB4	
		Enhanced Extended Loop (EEL) Service Order per			
	UNBUNDLED EXCHANGE ACCESS	LSR Electronic, Non-channelized DS1 EEL,			
IN	LOOP	Establishment Request, Disconnect	EE7MX	NKCB5	
		Enhanced Extended Loop (EEL) Service Order per			
	UNBUNDLED EXCHANGE ACCESS	LSR Manual, Non-channelized DS1 EEL,			
IN	LOOP	Establishment Request, Install	EE7MX	NKCB6	
		Enhanced Extended Loop (EEL) Service Order per			
	UNBUNDLED EXCHANGE ACCESS	LSR Manual, Non-channelized DS1 EEL,			
IN	LOOP	Establishment Request, Disconnect	EE7MX	NKCB7	
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Electronic, CO Multiplexing, DS1 to Voice,			
IN	UNBUNDLED DEDICATED TRANSPORT	Establishment Request, Install			
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Electronic, CO Multiplexing. DS1 to Voice,			
IN	UNBUNDLED DEDICATED TRANSPORT	Establishment Request, Disconnect			
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Manual, CO Multiplexing, DS1 to Voice,			
IN	UNBUNDLED DEDICATED TRANSPORT	Establishment Request, Install			
		Enhanced Extended Loop (EEL) Service Order per			
		LSR Manual, CO Multiplexing, DS1 to Voice,			
IN	UNBUNDLED DEDICATED TRANSPORT	Establishment Request, Disconnect			
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) New Combination per			
IN	LOOP	Element 2-Wire Analog Loop Connection, Initial, Install	EE7JX	NKCB8	
<u>'''</u>		Listing 2 Wild Africage Loop Confidence in Indian, Install			

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Analog Loop Connection, Initial,			
IN	LOOP	Disconnect	EE7JX	NKCB9	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Analog Loop Connection, Additional,			
IN	LOOP	Install	EE7JX	NKCBA	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Analog Loop Connection, Additional,			
IN	LOOP	Disconnect	EE7JX	NKCBB	
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) New Combination per			
IN	LOOP	Element 4-Wire Analog Loop Connection, Initial, Install	EE7KX	NKCBC	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Analog Loop Connection, Initial,			
IN	LOOP	Disconnect	EE7KX	NKCBD	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Analog Loop Connection, Additional,			
IN	LOOP	Install	EE7KX	NKCBE	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Analog Loop Connection, Additional,			
IN	LOOP	Disconnect	EE7KX	NKCBF	
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) New Combination per			
IN	LOOP	Element 2-Wire Digital Loop Connection, Initial, Install	EE7LX	NKCBG	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Digital Loop Connection, Initial,			
IN	LOOP	Disconnect	EE7LX	NKCBH	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Digital Loop Connection, Additional,			
IN	LOOP	Install	EE7LX	NKCBJ	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 2-Wire Digital Loop Connection, Additional,			
IN	LOOP	Disconnect	EE7LX	NKCBK	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) New Combination per			
IN	LOOP	Element 4-Wire Digital Loop Connection, Initial, Install	EE7MX	NKCBL	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Digital Loop Connection, Initial,			
IN	LOOP	Disconnect	EE7MX	NKCBM	
		Enhanced Extended Loop (EEL) New Combination per			
	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Digital Loop Connection, Additional,			
IN	LOOP	Install	EE7MX	NKCBN	
	LINDUNDUED EVOLUNDOE ACCESS	Enhanced Extended Loop (EEL) New Combination per			
l	UNBUNDLED EXCHANGE ACCESS	Element 4-Wire Digital Loop Connection, Additional,			
IN	LOOP	Disconnect	EE7MX	NKCBO	
		Enhanced Extended Loop (EEL) New Combination per			
IN	LINDLINDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per			
IIN	UNBUNDLED DEDICATED TRANSPORT	Element CO Multiplexing, DS I to Voice, Initial, Install Enhanced Extended Loop (EEL) New Combination per	EE7MX		_
		Element CO Multiplexing, DSI to Voice, Initial,			
IN	UNBUNDLED DEDICATED TRANSPORT	Disconnect	EE7MX		
IIN	UNBUNDLED DEDICATED TRAINSPORT	Enhanced Extended Loop (EEL) New Combination per	EE/IVIA		+
		Element CO Multiplexing, DSI to Voice, Additional,			
IN	UNBUNDLED DEDICATED TRANSPORT	Install	EE7MX		
IIN	CINDOINDEED DEDICATED TRANSFORT	Enhanced Extended Loop (EEL) New Combination per	LL / IVIA		+
		Element CO Multiplexing, DSI to Voice, Additional,			
l in	UNBUNDLED DEDICATED TRANSPORT	Disconnect	EE7MX		
		Enhanced Extended Loop (EEL) New Combination per			+
		Element DS1 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Initial, Install	EE7MX		
		Enhanced Extended Loop (EEL) New Combination per			†
		Element DS1 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Initial, Disconnect	EE7MX		
		Enhanced Extended Loop (EEL) New Combination per			
		Element DS1 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Additional, Install	EE7MX		

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Enhanced Extended Loop (EEL) New Combination per	, ,		
		Element DS1 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Additional, Disconnect	EE7MX		
		Enhanced Extended Loop (EEL) New Combination per			
		Element 4-Wire DS1 Digital Loop to DS1 Interoffice			
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Collocated, Initial, Install	EE7MX	NKCBT	
		·			
		Enhanced Extended Loop (EEL) New Combination per			
		Element 4-Wire DS1 Digital Loop to DS1 Interoffice			
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Collocated, Initial, Disconnect	EE7MX	NKCBU	
		Enhanced Extended Loop (EEL) New Combination per			
		Element 4-Wire DS1 Digital Loop to DS1 Interoffice			
IN	LINDUNDUED DEDICATED TRANSPORT		EE7MX	NIZODV	
IIN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Collocated, Add'l, Install	EE/IVIX	NKCBV	+
		Enhanced Extended Loop (EEL) New Combination per			
		Element 4-Wire DS1 Digital Loop to DS1 Interoffice			
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport, Collocated, Add'l, Disconnect	EE7MX	NKCBW	
		Enhanced Extended Loop (EEL) New Combination per			
		Element DS3 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Initial, Install	EE7NX		
		Enhanced Extended Loop (EEL) New Combination per			
		Element DS3 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Initial, Disconnect	EE7NX		
		Enhanced Extended Loop (EEL) New Combination per			
		Element DS3 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Additional, Install	EE7NX		
		Enhanced Extended Loop (EEL) New Combination per			
	I NIDI NIDI ED DEDIGATED TO ANGLES	Element DS3 Interoffice Dedicated Transport			
IN	UNBUNDLED DEDICATED TRANSPORT	Collocated, Additional, Disconnect	EE7NX		
	UNBUNDLED EXCHANGE ACCESS	Enhanced Extended Loop (EEL) New Combination per		NIKOGO	
IN	LOOP	Element Clear Channel Capability, Initial, Install	EE7MX	NKCC6	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element Clear Channel Capability, Additional, Install	EE7MX	NKCC7	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX3	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X1	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X2	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X3	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, UK1++	ORCMX	
		Dedicated Transport Installation & Rearrangement	,		
IN	UNBUNDLED DEDICATED TRANSPORT	Charges DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, UK1++	NRBCL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, UK1++	NRBBL	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, UK3++	ORCMX	
		Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection			
IN	UNBUNDLED DEDICATED TRANSPORT	Charge - Per Circuit	UB5++, UK3++	NRBCL	
		Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection			
IN	UNBUNDLED DEDICATED TRANSPORT	Charge - Per Circuit	UB5++, UK3++	NRBC4	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBBL	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBDT	

State	Product	Poto Floment Description	COS (Class of Service)	USOC	Zono
State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	0300	Zone
KS	LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
110	UNBUNDLED EXCHANGE ACCESS	2 Wile Allialog 200p 2010 1 (Raidi)		021	+ -
KS	LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
	UNBUNDLED EXCHANGE ACCESS	(2000)		_	
KS	LOOP	2-Wire Analog Zone 3 (Urban)		U21	3
	UNBUNDLED EXCHANGE ACCESS				
KS	LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
	UNBUNDLED EXCHANGE ACCESS				
KS	LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
	UNBUNDLED EXCHANGE ACCESS				
KS	LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
140	UNBUNDLED EXCHANGE ACCESS			1101/00	
KS	LOOP UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
KS	LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
NO	UNBUNDLED EXCHANGE ACCESS	(without testing)		UCADZ	_
KS	LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
No	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Loop Cross Connect to Collocation		00704	
KS	LOOP	(without testing)		UCXD4	
-110	2001	DT-DS1 Interoffice Transport, First Mile - Zone 1		OONDT	
KS	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNHS	1
	C. L. C. I. D. L. D. L. C. I.	DT-DS1 Interoffice Transport, First Mile - Zone 2		52.41.10	+
KS	UNBUNDLED DEDICATED TRANSPORT	(Suburban)		ULNHS	2
1		DT-DS1 Interoffice Transport, First Mile - Zone 3		=	-
KS	UNBUNDLED DEDICATED TRANSPORT	(Urban)		ULNHS	3
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	ı
		DT-DS1 Interoffice Transport, Each Additional Mile -			
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Rural)		ULNHS	1
		DT-DS1 Interoffice Transport, Each Additional Mile -			
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNHS	2
		DT-DS1 Interoffice Transport, Each Additional Mile -			
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNHS	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		DT-DS1 Interoffice Transport, Each Additional Mile -			
KS	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNHS	I
		DT-DS3 Interoffice Transport, First Mile - Zone 1			
KS	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNJS	1
140	LINIDI INDI ED DEDIGATED EDANIODORE	DT-DS3 Interoffice Transport, First Mile - Zone 2			
KS	UNBUNDLED DEDICATED TRANSPORT	(Suburban)		ULNJS	2
1/0	LINIDI INDI ED DEDICATED TRANCDORT	DT-DS3 Interoffice Transport, First Mile - Zone 3		111 1110	
KS	UNBUNDLED DEDICATED TRANSPORT	(Urban)		ULNJS	3
1/0	LINDUNDUED DEDICATED TRANSPORT	DT DC2 Intereffice Transport First Mile Interpore		LILALIC	
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	I
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Rural)		ULNJS	1
no no	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile -		ULINJS	I
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNJS	2
INO.	UNBONDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile -		OLINGO	
KS	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNJS	3
1.0	ONDONDEED DEDICATED TRANSFORT	DT-DS3 Interoffice Transport, Each Additional Mile -		OLINO	
KS	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNJS	1
110	ONDONDEED DEDIGNIED INVINCTION	1110120110		CLINO	'
KS	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation		UCXHX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	· ·		
KY	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
KY	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
KY	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
KY	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			_
KY	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
KY	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
101	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
KY	LOOP UNBUNDLED EXCHANGE ACCESS	Zone 1 2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEASL	1
KY	LOOP		UEANL	UEASL	4
N.Y	UNBUNDLED EXCHANGE ACCESS	Zone 1 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEASL	1
KY	LOOP	Zone 2	UEANL	UEASL	2
N I	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEASL	
KY	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
IXI	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEASL	
KY	LOOP	Zone 3	UEANL	UEASL	3
17.1	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	OLAIVE	OLAGE	
KY	LOOP	Zone 3 [DISCONNECT]	UEANL	UEASL	3
13.1	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order	OL7 II VL	027102	
KY	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
		(particular particular			
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
KY	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS	7			
KY	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1			
KY	LOOP	[DISCONNECT]	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
KY	LOOP	Loop-SL1	UEANL	UREPM	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
KY	LOOP	1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
KY	LOOP	1 [DISCONNECT]	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
KY	LOOP	2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
KY	LOOP	2 [DISCONNECT]	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
KY	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
KY	LOOP	3 [DISCONNECT]	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Tag Loop at End			
KY	LOOP	User Premise	UEQ	URETL	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
KY	LOOP	1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
KY	LOOP	Additional Half Hour	UEQ	URETA	
	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper			
KY	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	
101	UNBUNDLED EXCHANGE ACCESS	D. II. A.F	1150	LIDEDA	
KY	LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
107	UNBUNDLED EXCHANGE ACCESS	D. H. Missati's a season Missa LIOL NID IDIOCONNICOTI	1150	LIDEDNI	
KY	LOOP UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
1/1/	LOOP	Dulle Minnetice Order Coordination, man 0 M/ms LICL ND	LIFO	LIDEDM	
KY	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
KY	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
I I	LOOF.	2-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	UNESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
KY	LOOP	DS0)	UEA	URESP	
IXI	UNBUNDLED EXCHANGE ACCESS	D00)	OLA	UILLOF	
KY	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
17.1	LOOI	Daik Migration, per 2 Wire Voice Loop-GLZ	ULA	UNLI IN	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
KY	LOOP	Loop-SL2	UEA	UREPM	
	UNBUNDLED EXCHANGE ACCESS				
KY	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1			
KY	LOOP	[DISCONNECT]	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS				
KY	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2			_
KY	LOOP	[DISCONNECT]	UEA	UEAL4	2
107	UNBUNDLED EXCHANGE ACCESS	AWine Analogy Villag Operla Lagran 7 and 0	115	115 11 4	
KY	LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
KY	LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	115 41 4	
N Y	LOOP	[DISCONNECT]	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
KY	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
IXI	LOOF	4-Wire Analog Voice Grade Loop - Switch-As-Is	OLA	UNLOL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
KY	LOOP	DS0)	UEA	URESP	
111		2-Wire Analog Voice Grade Loop - Service Level 2	OLA	ORLO	
KY	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
1 (1	CIVE EGGI GGIVIIVIII VGEII VG	2-Wire Analog Voice Grade Loop - Service Level 2	111010	O L / (L L	
		w/Loop or Ground Start Signaling - Zone 1			
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 2			
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	2
_		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 3			
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
- Ciuio	1100001	2-Wire Analog Voice Grade Loop - Service Level 2	(0.000 0.001 1.00)	3333	
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
		, , ,			
		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
107		2-Wire Analog Voice Grade Loop - Service Level 2	NITO) (O	LIEADO	
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
KY	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
Ki	ONE LOOP COMMINGLING	W/Neverse Battery Signating - Zone 3 [DISCONNECT]	NICVG	UEARZ	3
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
KY	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
- 111	5112 2001 0011111111021110	2-Wire Analog Voice Grade Loop - Switch-As-Is		011202	
		Conversion rate per UNE Loop, Spreadsheet, (per			
KY	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
		2-Wire Analog Voice Grade Loop - Loop Tagging -			
KY	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
		4-Wire Analog Voice Grade Loop - Zone 1			
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
101		4-Wire Analog Voice Grade Loop - Zone 2	NTC: 'C		
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
I/V	LINE LOOP COMMINED INC	4-Wire Analog Voice Grade Loop - Zone 3	NTOVO	115414	
KY	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
KY	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
IX I	ONL LOOF COMMININGLING	Conversion rate per one Loop, single LSK, (per DSO)	INTOVG	UINLOL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire Analog Voice Grade Loop - Switch-As-Is	·		
		Conversion rate per UNE Loop, Spreadsheet, (per			
KY	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
101	ONDONDEED DEDIGNIED TO MOTOR	Therefore Gridinion Bot per fillio	01121	120707	+
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
		Interoffice Channel - DS1 - Facility Termination			
KY	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD1	U1TF1	
KY	LINDUNDUED DEDICATED TRANSPORT	Intereffice Channel DC2 normile	LIATES	41.577	
N Y	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
		Interoffice Channel - DS3 - Facility Termination			
KY	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD3	U1TF3	
	HIGH CAPACITY UNBUNDLED LOCAL				
KY	LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
101	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - Facility	1150	LIEODY	
KY	LOOP HIGH CAPACITY UNBUNDLED LOCAL	Termination Stand Alone - DS3 Unbundled Local Loop - Facility	UE3	UE3PX	
KY	LOOP	Termination [DISCONNECT]	UE3	UE3PX	
IX I	LOOF	4-Wire Analog Voice Grade Loop in Combination -	OL3	ULSF X	+
KY	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			+
KY	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			
KY	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
101	ENHANCED EXTENDED LINE (EE)	4-Wire Analog Voice Grade Loop in Combination -	I NO O		
KY	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
I I	LINIANCED EXTENDED LINK (EELS)	4-Wire Analog Voice Grade Loop in Combination -	UNCVA	UEAL4	+ 3
KY	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire DS1 Digital Loop in Combination - Zone 1			_
KY	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	1
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			_
KY	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
		4-Wire DS1 Digital Loop in Combination - Zone 3			
KY	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
KY	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
KY	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
KY	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
KY	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
KY	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	
		Service Rearrangements - NRC - Order Coordination			
KY	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	COS (Class of Service)	0300	Zone
LA	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	OLANE	OLALZ	'
LA	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	GEAINE	OLALZ	
LA	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	0 E / 11 1 E	OL7 (LL	
LA	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-		02/102	· ·
LA	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	-		
LA	LOOP	Zone 3	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order			
LA	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
		" ''			
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
LA	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS				
LA	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
LA	LOOP	Loop-SL1	UEANL	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
LA	LOOP	1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
LA	LOOP	2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			_
LA	LOOP	3	UEQ	UEQ2X	3
	LINDINDI ED EVOLIANOE ACCESO	2 Wire Unbundled Copper Loop -Unbundled			
	UNBUNDLED EXCHANGE ACCESS	Miscellaneous Rate Element, Tag Loop at End User	LIEO	LIDET	
LA	LOOP	Premise	UEQ	URETL	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop -Loop Testing - Basic	LIFO	LIDETA	
LA	LOOP	1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop -Loop Testing - Basic	LIFO	LIDETA	
LA	LOOP	Additional Half Hour	UEQ	URETA	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper	COS (Class of Service)	0300	Zone
LA	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	
	UNBUNDLED EXCHANGE ACCESS	200p Hon Booighod (por loop)	<u> </u>	COBINIO	
LA	LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
LA	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
l	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
LA	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
	LINDUNDI ED EVOLIANCE ACCECC	2-Wire Analog Voice Grade Loop - Switch-As-Is			
1.4	UNBUNDLED EXCHANGE ACCESS LOOP	Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
LA	UNBUNDLED EXCHANGE ACCESS	D50)	UEA	UKESP	
LA	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice	OLA	OKLIN	
LA	LOOP	Loop-SL2	UEA	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2506 022	<u> </u>	01121111	
LA	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	·			
LA	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS				
LA	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
	LINDUNDUED EVOLUNDOE ACCESS				
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is	115	LIDECI	
LA	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0) 4-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	URESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
LA	LOOP	DS0)	UEA	URESP	
		2-Wire Analog Voice Grade Loop - Service Level 2	OLA	UNESF	
LA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
	C. LE LOCI COMMINICATION	2-Wire Analog Voice Grade Loop - Service Level 2	111000	<u> </u>	'
LA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
LA	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	LINE LOOP COMMINOLING	2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	LIEADO	4
LA	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	LIEADO	
LA	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	LIEADO	
LA	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
		2 Wire Angles Voice Crade Lean Switch As Is			
	LINE LOOP COMMINOLING	2-Wire Analog Voice Grade Loop - Switch-As-Is	NTOVO	LIDECI	
LA	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0) 2-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVG	URESL	
	LINE LOOP COMMINCLING	Conversion rate per UNE Loop, Spreadsheet, (per	NTCVC	LIDECD	
LA	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
	LINE LOOP COMMINOLING	2-Wire Analog Voice Grade Loop - Loop Tagging -	NTOVO	LIDETI	
LA	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	4
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
1.4	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVC	115714	4
LA		[DISCONNECT]	NTCVG	UEAL4	1
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
	LINE LOOP COMMINCLING		NTCVC	115014	1
LA	UNE LOOP COMMINGLING UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG NTCVG	UEAL4 UEAL4	3
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 4-Wire Analog Voice Grade Loop - Zone 3	NICVG	UEAL4	3
Ι Λ	UNE LOOP COMMINGLING	·	NTCVG	UEAL4	3
LA	UNE LOOP COMMINGLING	[DISCONNECT]	NICVG	UEAL4	3
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	LINE LOOP COMMINCLING	·	NTCVC	LIDECI	
LA	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0) 4-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVG	URESL	
		Conversion rate per UNE Loop, Spreadsheet, (per			
Ι Λ	LINE LOOP COMMINCLING	• • • • • • • • • • • • • • • • • • • •	NTCVC	LIDECD	
LA	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	+
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
LA	UNDUNDLED DEDICATED TRAINSPORT	interoffice Gridffiler - DST - per fillie	UIIDI	ILOAA	
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
LA	UNDUNDLED DEDICATED TRANSPORT	Interoffice Charmer - DOT - Facility Tellilliation	UTIDI	UTIFT	
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
LA	UNDUNDLED DEDICATED TRANSPORT	Interoffice Chaffilet - DOS - per fille	UTIDO	ILOAA	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
	HIGH CAPACITY UNBUNDLED LOCAL	, , , , , , , , , , , , , , , , , , , ,			
LA	LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - Facility			
LA	LOOP	Termination	UE3	UE3PX	
		4-Wire Analog Voice Grade Loop in Combination -			
LA	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			
LA	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
LA	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
	ENHANCED EVTENDED LINIX (EEL.)	Interoffice Channel in combination - DS1 Facility	LINICAY	114754	
LA	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility	LINICOV	LIATEO	
LA	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination	LINCAY LINCAY	00000	
LA	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	USOC	Zone
М	LOOP	2-Wire Analog - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2HC1	С
IVII	UNBUNDLED EXCHANGE ACCESS	2-Wile Alialog - Rufai (Zoffe C)	MOJ++, EE73A, OOB++, OOR++	UZHCI	
МІ	LOOP	2-Wire Analog - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2HB1	В
IVII	UNBUNDLED EXCHANGE ACCESS	2-Wile Allalog - Subulball (Zolle b)	W03++, LE73X, OOB++, OOK++	OZITIDT	
М	LOOP	2-Wire Analog - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2HAA	Α
- · · · ·	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Ground Start, Analog DID/Reverse		02177	
MI	LOOP	Battery - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2WC1	С
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Ground Start, Analog DID/Reverse			
MI	LOOP	Battery - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2WB1	В
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Ground Start, Analog DID/Reverse			
MI	LOOP	Battery - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2WAA	Α
	UNBUNDLED EXCHANGE ACCESS				
MI	LOOP	2-Wire Analog - Ground Start, PBX - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2JC1	С
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Ground Start, PBX - Suburban (Zone			
MI	LOOP	B)	MUJ++, EE7JX, UOB++, UOR++	U2JB1	В
	UNBUNDLED EXCHANGE ACCESS				
MI	LOOP	2-Wire Analog - Ground Start, PBX - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2JAA	Α
	UNBUNDLED EXCHANGE ACCESS				
MI	LOOP	2-Wire Analog - COPTS Coin - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2CC1	С
l	UNBUNDLED EXCHANGE ACCESS				_
MI	LOOP	2-Wire Analog - COPTS Coin - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2CB1	В
l ,	UNBUNDLED EXCHANGE ACCESS	O.M. A.	MILL FEZIVIOS LIGS	1.100 4 4	
MI	LOOP	2-Wire Analog - COPTS Coin - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2CAA	Α
	UNBUNDLED EXCHANGE ACCESS	O Mine Angle of EKI Provid (7 and O)	MILL. FEZIV LIODA LIOD	1101404	
MI	LOOP UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - EKL - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2KC1	С
l MI	LOOP	2 Wire Analog EKI Suburban (Zone P)	MILL, EEZIV HOB., HOB.,	LIOKD4	_D
MI	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - EKL - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2KB1	В
МІ	LOOP	2-Wire Analog - EKL - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2KAA	Α
IVII	UNBUNDLED EXCHANGE ACCESS	2-vviile Arialog - ENL - Wello (Zorie A)	WOJTT, EE7JA, OOBTT, OORTT	UZNAA	 ^
МІ	LOOP	4-Wire Analog - Rural (Zone C)	MUJ++, EE7KX, UOB++, UOR++	U4HC1	С
IVII	UNBUNDLED EXCHANGE ACCESS	T-vviie Alialog - Italiai (2018 0)	WIGGTT, LLTIXX, GOBTT, GORTT	041101	
NAI		4-Wire Analog - Suburban (Zone B)	MILLE FE7KX LIORES LIOPES	ПДНВ1	R
MI	LOOP	4-Wire Analog - Suburban (Zone B)	MUJ++, EE7KX, UOB++, UOR++	U4HB1	В

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	•	,		
MI	LOOP	4-Wire Analog - Metro (Zone A)	MUJ++, EE7KX, UOB++, UOR++	U4HAA	Α
	UNBUNDLED EXCHANGE ACCESS	Cancellation or Change Service Charge-Analog Loop,			
MI	LOOP	per last critical date reached	MUJ++, EE7KX, UOB++, UOR++	NKCU1	
		Cancellation or Change Service Charge-Analog Loop,			
	UNBUNDLED EXCHANGE ACCESS	per last critical date reached Design Layout Report			
MI	LOOP	Date	MUJ++, EE7KX, UOB++, UOR++	NR95O	
	UNBUNDLED EXCHANGE ACCESS	Cancellation or Change Service Charge-Analog Loop,			
MI	LOOP	per last critical date reached Records Issue Date	MUJ++, EE7KX, UOB++, UOR++	NR95P	
		Cancellation or Change Service Charge-Analog Loop,			
	UNBUNDLED EXCHANGE ACCESS	per last critical date reached Designed, Verified, and			
MI	LOOP	Assigned Date	MUJ++, EE7KX, UOB++, UOR++	NR95Q	
	UNBUNDLED EXCHANGE ACCESS	Cancellation or Change Service Charge-Analog Loop,			
MI	LOOP	per last critical date reached Plant Test Date	MUJ++, EE7KX, UOB++, UOR++	NR95R	
	UNBUNDLED EXCHANGE ACCESS	Due Date Change Charge, per Order, per Occasion	MUJ++, EE7KX, EE7JX, UOB++,		
MI	LOOP	Analog Loop	UOR++	NR955	
		DS1 Interoffice Mileage Per Point of Termination Zone			
MI	UNBUNDLED DEDICATED TRANSPORT	1	UB5++, EE7MX, UK1++	CZ4X1	1
		DS1 Interoffice Mileage Per Point of Termination Zone			
MI	UNBUNDLED DEDICATED TRANSPORT	2	UB5++, EE7MX, UK1++	CZ4X2	2
		DS1 Interoffice Mileage Per Point of Termination Zone			
MI	UNBUNDLED DEDICATED TRANSPORT	3	UB5++, EE7MX, UK1++	CZ4X3	3
		DS1 Interoffice Mileage Per Point of Termination			
MI	UNBUNDLED DEDICATED TRANSPORT	Interzone	UB5++, EE7MX, UK1++	CZ4XZ	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1	UB5++, EE7MX, UK1++	1YZX1	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2	UB5++, EE7MX, UK1++	1YZX2	2
		, in the second			
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3	UB5++, EE7MX, UK1++	1YZX3	3
		, in the second			
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone	UB5++, EE7MX, UK1++	1YZXZ	1
		DS1 Clear Channel Capability - Per DS1 Circuit			
MI	UNBUNDLED DEDICATED TRANSPORT	Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX1	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Floudet	DS1 Clear Channel Capability - Per DS1 Circuit	COS (Class of Service)	0300	20116
MI	UNBUNDLED DEDICATED TRANSPORT	Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX2	
1411	CHECKER DEBIGNIED THAT ON	DS1 Clear Channel Capability - Per DS1 Circuit	00011, 227 WAX, 010111	OLIAL	
MI	UNBUNDLED DEDICATED TRANSPORT	Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX3	
14.11	ONDONDEED DEDICATED THURSE ON	DS1 Clear Channel Capability - Per DS1 Circuit	00011, 2271001, 011111	02170	
MI	UNBUNDLED DEDICATED TRANSPORT	Arranged All Zones Disconnect			
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU8	1
		DS1 Interoffice NRC (Connect + Disconnect) Connect	,		
MI	UNBUNDLED DEDICATED TRANSPORT	Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU8	2
		,			
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU8	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU9	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU9	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU9	3
		DS1 Interoffice NRC UDT Installation and			
MI	UNBUNDLED DEDICATED TRANSPORT	Rearrangement - Admin. Charge, Connect, Per Order	UB5++, EE7MX, UK1++	ORCMX	
		DS1 Interoffice NRC EELS Installation and			
		Rearrangement - Admin. Charge, Disconnect, Per			
MI	UNBUNDLED DEDICATED TRANSPORT	Order	UB5++, EE7MX, UK1++	NR9OT	
		DS3 Interoffice Mileage Termination - Per Point of			
MI	UNBUNDLED DEDICATED TRANSPORT	Termination Zone 1	UB5++, EE7NX, UK3++	CZ4W1	1
		DS3 Interoffice Mileage Termination - Per Point of			
MI	UNBUNDLED DEDICATED TRANSPORT	Termination Zone 2	UB5++, EE7NX, UK3++	CZ4W2	2
		DS3 Interoffice Mileage Termination - Per Point of			
MI	UNBUNDLED DEDICATED TRANSPORT	Termination Zone 3	UB5++, EE7NX, UK3++	CZ4W3	3
		DS3 Interoffice Mileage Termination - Per Point of			
MI	UNBUNDLED DEDICATED TRANSPORT	Termination Interzone	UB5++, EE7NX, UK3++	CZ4WZ	I
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1	UB5++, EE7NX, UK3++	1YZB1	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2	UB5++, EE7NX, UK3++	1YZB2	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3	UB5++, EE7NX, UK3++	1YZB3	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone	UB5++, EE7NX, UK3++	1YZBZ	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect)Connect Zone 1 per circuit DS3 Interoffice NRC (Connect + Disconnect)Connect	UB5++, EE7NX, UK3++	NKCUE	1
MI	UNBUNDLED DEDICATED TRANSPORT	Zone 2 per circuit DS3 Interoffice NRC (Connect + Disconnect) Connect DS4 Interoffice NRC (Connect + Disconnect) Connect	UB5++, EE7NX, UK3++	NKCUE	2
MI	UNBUNDLED DEDICATED TRANSPORT	Zone 3 per circuit	UB5++, EE7NX, UK3++	NKCUE	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7NX, UK3++	NKCUF	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7NX, UK3++	NKCUF	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 3 per circuit DS3 Installation and Rearrangement - Admin. Charge,	UB5++, EE7NX, UK3++	NKCUF	3
MI	UNBUNDLED DEDICATED TRANSPORT	Connect, Per Order DS3 Interoffice NRC DS3 Installation and	UB5++, EE7NX, UK3++	ORCMX	
MI	UNBUNDLED DEDICATED TRANSPORT	Rearrangement - Admin. Charge, Disconnect, Per Multiplexing DS1 to Voice Grade All Zones, Per	UB5++, EE7NX, UK3++	NRBCL	
MI	UNBUNDLED DEDICATED TRANSPORT	Arrangement Multiplexing DS1 to Voice Grade All Zones, Per	UB5++, UK1++	QMVX1	
MI	UNBUNDLED DEDICATED TRANSPORT	Arrangement Multiplexing DS1 to Voice Grade All Zones, Per	UB5++, UK1++	QMVX2	
MI	UNBUNDLED DEDICATED TRANSPORT	Arrangement	UB5++, UK1++	QMVX3	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X1	<u> </u>
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X2	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X3	
MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	

04-4-	Decelerat	Data Flamout Decoriution	COC (Class of Comiss)	11000	7
State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	USOC	Zone
МО	LOOP	2-Wire Analog Loop - Zone 1 (Urban STL, KC)		U21	1 1
IVIO	UNBUNDLED EXCHANGE ACCESS	2-Wife Affalog Loop - Zoffe T (Ofball STL, NC)		021	1
МО	LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
IVIO	UNBUNDLED EXCHANGE ACCESS	2-Wire Arialog Loop - Zorie 2 (Guburbari)		021	
МО	LOOP	2-Wire Analog Loop - Zone 3 (Rural)		U21	3
IVIO	UNBUNDLED EXCHANGE ACCESS	2-Wire Arialog Loop - Zone 3 (Rural)		021	- 3
МО	LOOP	2-Wire Analog Loop - Zone 4 (Urban Springfield)		U21	4
WIO	UNBUNDLED EXCHANGE ACCESS	2 Wile Midiog Loop Zone 4 (Orban Ophingheid)		021	
МО	LOOP	4-Wire Analog Loop - Zone 1 (Urban STL, KC)		U4H	1 1
— —	UNBUNDLED EXCHANGE ACCESS	7 11110 7 111010 g 200p 20110 1 (010011 012, 110)		0	
МО	LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
	UNBUNDLED EXCHANGE ACCESS				
МО	LOOP	4-Wire Analog Loop - Zone 3 (Rural)		U4H	3
	UNBUNDLED EXCHANGE ACCESS				
MO	LOOP	4-Wire Analog Loop - Zone 4 (Urban Springfield)		U4H	4
	UNBUNDLED EXCHANGE ACCESS				
MO	LOOP	2-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC2	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop Cross Connect to Collocation			
MO	LOOP	(without testing)	LU1	UCXD2	
	UNBUNDLED EXCHANGE ACCESS				
MO	LOOP	4-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC4	
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Loop Cross Connect to Collocation			
MO	LOOP	(without testing)	LU1	UCXD4	
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
l					
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
	LINIDI INDI ED DEDIGATED TOANIODORT			LIVEAG	
МО	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3
,,,	LINDLINDLED DEDICATED TO ANODOST	A Mira Analog Loop Cross Consect to DOA Market		LIVDD4	
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 1		UXRB1	1
1 140		4 Wire Analog Lean Cross Connect to DOA Mathe de		LIVERS	
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 2		UXRB2	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
МО	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 3		UXRB3	3
МО	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 1		UXRC1	1
МО	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 2		UXRC2	2
МО	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 3		UXRC3	3
МО	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 1		UXRD1	1
МО	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 2		UXRD2	2
МО	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 3 Dedicated Transport Cross Connectto POA: DS1 -		UXRD3	3
МО	UNBUNDLED DEDICATED TRANSPORT	Method 1 Dedicated Transport Cross Connect to POA: DS1 -		UXRQ1	1
МО	UNBUNDLED DEDICATED TRANSPORT	Method 2 Dedicated Transport Cross Connect to POA: DS1 -		UXRQ2	2
МО	UNBUNDLED DEDICATED TRANSPORT	Method 3 Dedicated Transport Cross Connect to POA: DS1 - Method 3 Dedicated Transport Cross Connect to POA: DS3 -		UXRQ3	3
МО	UNBUNDLED DEDICATED TRANSPORT	Method 1			1
МО	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 2			2
МО	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 3			3
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNHS	1
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNHS	3
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNHS	4

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNHS	1
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNHS	3
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNHS	4
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNJS	1
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural) DT-DS3 Interoffice Transport, First Mile - Zone 4		ULNJS	3
МО	UNBUNDLED DEDICATED TRANSPORT	(Urban Springfield)		ULNJS	4
МО	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	I
МО	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Urban STL, KC) DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	1
МО	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban) DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	2
МО	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Rural) DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	3
МО	UNBUNDLED DEDICATED TRANSPORT	Zone 4 (Urban Springfield) DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	4
МО	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNJS	I
МО	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation	UBNTX	DXZTA	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Froduct	Rate Element Description	COS (Class of Service)	0300	Zone
МО	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation - Disconnect	UBNTX	NKCTE	
МО	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS3 to Collocation		UCXJX	
МО	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
МО	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	,		
MS	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 4	UEANL	UEAL2	4
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 4 [DISCONNECT]	UEANL	UEAL2	4
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
MS	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
,,,	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	115.45.11	LIEAG	
MS	LOOP	Zone 3	UEANL	UEASL	3
,,,	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	I I T A B II	LIEAGI	
MS	LOOP	Zone 3 [DISCONNECT]	UEANL	UEASL	3
,,,	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-		LIEAGI	
MS	LOOP	Zone 4	UEANL	UEASL	4
,,,	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-		LIEAGI	
MS	LOOP	Zone 4 [DISCONNECT]	UEANL	UEASL	4
,,,	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order	I I T A B II	LIEANAC	
MS	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
MS	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1 Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
MS	LOOP UNBUNDLED EXCHANGE ACCESS	[DISCONNECT] Bulk Migration Order Coordination, per 2 Wire Voice	UEANL	UREPN	
MS	LOOP UNBUNDLED EXCHANGE ACCESS	Loop-SL1 2-Wire Unbundled Copper Loop - Non-Designed Zone	UEANL	UREPM	
MS	LOOP UNBUNDLED EXCHANGE ACCESS	1 2-Wire Unbundled Copper Loop - Non-Designed Zone	UEQ	UEQ2X	1
MS MS	LOOP UNBUNDLED EXCHANGE ACCESS LOOP	1 [DISCONNECT] 2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ UEQ	UEQ2X UEQ2X	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT] 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	3
MS	LOOP UNBUNDLED EXCHANGE ACCESS	4 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	UEQ2X	4
MS	LOOP UNBUNDLED EXCHANGE ACCESS	4 [DISCONNECT] 2 Wire Unbundled Copper Loop - Tag Loop at End	UEQ	UEQ2X	4
MS MS	LOOP UNBUNDLED EXCHANGE ACCESS LOOP	User Premise 2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ UEQ	URETL URET1	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
MS	LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
MS	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2 Mira Analag Vaiga Crada Laga Switch As Is			
MC		2-Wire Analog Voice Grade Loop - Switch-As-Is	LIEA	LIDECI	
MS	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0) 2-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	URESL	
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
MS	LOOP	DS0)	UEA	URESP	
IVIS	UNBUNDLED EXCHANGE ACCESS	D30)	UEA	UKESP	
MS	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
IVIO	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice	OLA	OKLIN	
MS	LOOP	Loop-SL2	UEA	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2007 022	027.	01(21111	
MS	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1			
MS	LOOP	[DISCONNECT]	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS				
MS	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2			
MS	LOOP	[DISCONNECT]	UEA	UEAL4	2
	UNBUNDLED EXCHANGE ACCESS				
MS	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3			
MS	LOOP	[DISCONNECT]	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	A Million A color of Victor Corollation 7		1154.4	
MS	LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 4	UEA	UEAL4	4
MC		4-Wire Analog Voice Grade Loop - Zone 4	LIEA	115014	
MS	LOOP	[DISCONNECT]	UEA	UEAL4	4
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
MS	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
IVIO	LUUF	Conversion rate per one Loop, single LSR, (per DSO)	UEA	UKESL	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire Analog Voice Grade Loop - Świtch-As-Is	· ·		
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
MS	LOOP	DS0)	UEA	URESP	
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 1			
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	11541.0	
MS	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
IVIS	UNE LOOP COMMININGLING	2-Wire Analog Voice Grade Loop - Service Level 2	NICVG	UEALZ	2
MS	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
IVIO	ONE LOOP COMMINGEING	2-Wire Analog Voice Grade Loop - Service Level 2	NICVG	ULALZ	3
		w/Loop or Ground Start Signaling - Zone 3			
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3
IVIO	ONE EGG! GG!WIWIII (GEII (G	2-Wire Analog Voice Grade Loop - Service Level 2	111010	OLITE	
MS	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 4	NTCVG	UEAL2	4
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 4			
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	4
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
	LINIE LOOP COMMUNICATION	2-Wire Analog Voice Grade Loop - Service Level 2	NTO: /O	LIEADO	
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
	LINIE LOOD COMMINICULINO	2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	LIEADO	
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 4	NTCVG	UEAR2	4
		2-Wire Analog Voice Grade Loop - Service Level 2			
MS	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 4 [DISCONNECT]	NTCVG	UEAR2	4
		Switch-As-Is Conversion rate per UNE Loop, Single			
MS	UNE LOOP COMMINGLING	LSR, (per DS0)	NTCVG	URESL	
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
		Conversion rate per UNE Loop, Spreadsheet, (per			
MS	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
		2-Wire Analog Voice Grade Loop - Loop Tagging -			
MS	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
		4-Wire Analog Voice Grade Loop - Zone 1	NEOVO		
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
		4-Wire Analog Voice Grade Loop - Zone 2			
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
		4-Wire Analog Voice Grade Loop - Zone 3			
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 4	NTCVG	UEAL4	4
		4-Wire Analog Voice Grade Loop - Zone 4	NEOVO		
MS	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	4
		4 Wire Angles Voice Crade Lean Critich As Is			
	LINIE LOOD COMMINIOLINIC	4-Wire Analog Voice Grade Loop - Switch-As-Is	NTOVO	LIDEOL	
MS	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0) 4-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVG	URESL	
		· ·			
NAC	LINIE LOOD COMMINIOLINIC	Conversion rate per UNE Loop, Spreadsheet, (per	NTOVO	LIDEOD	
MS	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
N40	LINDLINDLED DEDICATED TO ANODODE	Intereffice Channel DC4 respectie	114704	41.577	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	

01-1-	Post foot	Bota Element Beautistics	000 (01	11000	7
State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
		Interoffice Channel - DS1 - Facility Termination			
MS	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD1	U1TF1	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
NAC	LINDUNDUED DEDICATED TRANSPORT	Interesting Channel DC2 Facility Tempination	LIATES	LIATEO	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
MS	UNBUNDLED DEDICATED TRANSPORT	[DISCONNECT]	U1TD3	U1TF3	
IVIO	HIGH CAPACITY UNBUNDLED LOCAL	[DIGGGIANEGT]	01123	01113	
MS	LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - Facility	020	120112	
MS	LOOP	Termination	UE3	UE3PX	
	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - Facility			
MS	LOOP	Termination [DISCONNECT]	UE3	UE3PX	
	ENHANCED EXTENDED LINE (EEL.)	4-Wire Analog Voice Grade Loop in Combination -	LINION		
MS	ENHANCED EXTENDED LINK (EELs)	Zone 1 4-Wire Analog Voice Grade Loop in Combination -	UNCVX	UEAL4	1
MS	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
IVIO	ENTIANOED EXTENDED ENTIN (EEES)	4-Wire Analog Voice Grade Loop in Combination -	ONCVX	OLAL	+ '-
MS	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
	, ,	4-Wire Analog Voice Grade Loop in Combination -			
MS	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
MS	ENHANCED EXTENDED LINK (EELs)	Zone 3 4-Wire Analog Voice Grade Loop in Combination -	UNCVX	UEAL4	3
MS	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
IVIO	LIAITAIGED EXTENDED ENAIT (EEES)	4-Wire Analog Voice Grade Loop in Combination -	OIVOVX	ULALT	+ -
MS	ENHANCED EXTENDED LINK (EELs)	Zone 4	UNCVX	UEAL4	4
	, ,	4-Wire Analog Voice Grade Loop in Combination -			
MS	ENHANCED EXTENDED LINK (EELs)	Zone 4 [DISCONNECT]	UNCVX	UEAL4	4
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	110000	4-Wire DS1 Digital Loop in Combination - Zone 1	000 (0.000 0. 00. 1.00)		
MS	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	1
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			
MS	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
	,	4-Wire DS1 Digital Loop in Combination - Zone 3			
MS	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 4	UNC1X	USLXX	4
	, ,	4-Wire DS1 Digital Loop in Combination - Zone 4			
MS	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	4
MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
MS	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
MS	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
MS	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
MS	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
MS	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	
		Service Rearrangements - NRC - Order Coordination			
MS	ADDITIONAL NETWORK ELEMENTS	Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
NC	LOOP	Zone 3	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Manual Order			
NC	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
NC	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS				
NC	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
NC	LOOP	Loop-SL1	UEANL	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
NC	LOOP	1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
NC	LOOP	2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
NC	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Tag Loop at End			
NC	LOOP	User Premise	UEQ	URETL	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
NC	LOOP	1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
NC	LOOP	Additional Half Hour	UEQ	URETA	
	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper			
NC	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS		()		
NC	LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
NC	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
NC	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
	LINDING ED EVOLUNIOE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
NC	LOOP	DS0)	UEA	URESP	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Dulle Migration, pag 2 Miga Vaiga Laga CL 2	LIEA	LIDEDNI	
NC	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL2 Bulk Migration Order Coordination, per 2 Wire Voice	UEA	UREPN	
NC	LOOP	Loop-SL2	UEA	UREPM	
INC	UNBUNDLED EXCHANGE ACCESS	Loop-SL2	UEA	UKEFIVI	
NC	LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
110	UNBUNDLED EXCHANGE ACCESS	4-Ville Allalog Voice Grade Loop - Zolle 1	OLA	OLAL4	'
NC	LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
-110	UNBUNDLED EXCHANGE ACCESS	1 Time / maleg Toles Grade Essp	0271	02,121	
NC	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
			-		
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
NC	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
NC	LOOP	DS0)	UEA	URESP	
		2-Wire Analog Voice Grade Loop - Service Level 2			
NC	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
NC	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
		2-Wire Analog Voice Grade Loop - Service Level 2	NITOUG	LIEALO	
NC	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
NO	LINE LOOP COMMINGUING	2-Wire Analog Voice Grade Loop - Service Level 2	NTOVO	LIEADO	,
NC	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1

	.	5 . 5	000 (0)		
State	Product	Rate Element Description 2-Wire Analog Voice Grade Loop - Service Level 2	COS (Class of Service)	USOC	Zone
NC	LINE LOOP COMMINCLING		NTCVG	UEAR2	2
NC	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEARZ	2
NC	LINE LOOP COMMINGLING		NTOVO	LIEADO	2
NC	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
NC	LINE LOOP COMMINGLING		NTOVO	LIDECI	
NC	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0) 2-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVG	URESL	
		Conversion rate per UNE Loop, Spreadsheet, (per			
NO			NTOVO	LIDEOD	
NC	UNE LOOP COMMINGLING	DS0) 2-Wire Analog Voice Grade Loop - Loop Tagging -	NTCVG	URESP	
NO	LINE LOOP COMMINGUING	, , , ,	NTOVO	LIDETI	
NC	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	4
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
		A Mine Angle of Vicine Consider Learn Conitate Angle			
		4-Wire Analog Voice Grade Loop - Switch-As-Is	NTOVO	LIDEOL	
NC	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
		Conversion rate per UNE Loop, Spreadsheet, (per	NEOVO		
NC	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
NO	LINIDI INDI ED DEDICATED TRANCDORT	Intereffice Channel DC4 non-mile	HATDA	41.577	
NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
NC	LINDLINDLED DEDICATED TRANSPORT	Intereffice Channel DC2 normile	LIATES	41 EVV	
NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
NO	LINDUNDI ED DEDIGATED TRANSPORT	Leters (Car Observed BOO Facility Terrained	LIATRO	LIATEO	
NC	UNBUNDLED DEDICATED TRANSPORT HIGH CAPACITY UNBUNDLED LOCAL	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
NO	LOOP	Chand Alone DC2 Habrandled Level Level 1997	LIEO	41.545	
NC	HIGH CAPACITY UNBUNDLED LOCAL	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
NIC	LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility	LIEO	LIEODY	
NC	LOUP	Termination 4-Wire Analog Voice Grade Loop in Combination -	UE3	UE3PX	
NC	ENITANCED EXTENDED LINE (EEL -)		LINIOVY	115414	,
NC	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
State	Froduct	4-Wire Analog Voice Grade Loop in Combination -	COS (Class of Service)	0300	20116
NC	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
		4-Wire Analog Voice Grade Loop in Combination -			
NC	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
NC	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
NC	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		NRC - Order Coordination Specific Time - Dedicated			
NC	ADDITIONAL NETWORK ELEMENTS	Transport	UNC1X, UNC3X	OCOSR	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
			EE71+, EE7U+, BCL++,		
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 1	LPX++, LTX++ EE71+, EE7U+, BCL++,	LKB	1
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NIV/	LOOP	2 Mira Analas Zana 2	LPX++, LTX++	LKD	_
NV	LOOP	2-Wire Analog - Zone 2	EE/1+, EE/U+, BCL++,	LKB	2
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 3	LPX++, LTX++	LKB	3
INV	Looi	2-Wile Allalog - Zolle 3	EE71+, EE7U+, BCL++,	LIND	- 3
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 1	LPX++, LTX++	LKBAA	1
		_ tring / maileg _ tring	EE7T+, EE7U+, BCL++,	_,,,_,,	-
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 2	LPX++, LTX++	LKBAA	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
			EE7T+, EE7U+, BCL++,		
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 3	LPX++, LTX++	LKBAA	3
			EE7T+, EE7U+, BCL++,		
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 1	LPX++, LTX++ EE/1+, EE/U+, BCL++,	AELKB	1
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	LINDUNDUED EVOLUNDE ACCECC				
NIV /	UNBUNDLED EXCHANGE ACCESS	O Million A colored Zone O	L2X++, L32++, L33++, L36++,	AFLICE	
NV	LOOP	2-Wire Analog - Zone 2	LPX++, LTX++ EE71+, EE7U+, BCL++,	AELKB	2
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 3	LPX++, LTX++	AELKB	3
INV	1001	2-Wile Allalog - Zolle 3	EE71+, EE7U+, BCL++,	ALLIND	
			RCL++,L3X++, L4X++, L5X++,		
			L6X++, L7X++, L8X++, L9X++,		
			LAX++, LBX++, LCX++, LWX++,		
	UNBUNDLED EXCHANGE ACCESS		L2X++, L32++, L33++, L36++,		
NV	LOOP	2-Wire Analog - Zone 1	LPX++, LTX++	AELKA	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog - Zone 2	EE71+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	2
	UNBUNDLED EXCHANGE ACCESS		EE71+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++,		
NV NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3 5db Conditioning - 2-Wire Analog - Zone 1	LPX++, LTX++	AELKA	1
NV	UNBUNDLED EXCHANGE ACCESS	5db Conditioning - 2-Wire Analog - Zone 2			2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 3			3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 1	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 2	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 3	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	CCDSO	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	LINDUNDI ED EVOLIANCE ACCECC		BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++,		
NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AEE1S	
	UNBUNDLED EXCHANGE ACCESS	<u> </u>			
NV	LOOP	Cross Connects to Collocation Cage - Analog 4-wire	BCL++, RCL++,L3X++, L4X++,	C2CB4	
			L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++,		
		Cross Connects to Point of Access (POA) - Analog	LWX++, L2X++, L32++, L33++,		
NV	UNBUNDLED DEDICATED TRANSPORT	Loop to POA - 2-Wire - Method 1	L36++, LPX++, LTX++ BCL++, RCL++,L3X++, L4X++,	UXRA1	1
		Ones On the fact of Annual (DOA). And a	L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++,		
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 2	LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA2	2
111	ONDONDEED DEDICATED TRANSFORT	Cross Connects to Point of Access (POA) - Analog	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++,	UXINAZ	2
NV	UNBUNDLED DEDICATED TRANSPORT	Loop to POA - 2-Wire - Method 3	L36++, LPX++, LTX++	UXRA5	3
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 1		UXRB1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 2		UXRB2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 3		UXRB5	3
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 1	B1L++, R1L++, LK1, L56++, L2DC	UXRA1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 2	L2DC	UXRA2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 3	B1L++, R1L++, LK1, L56++, L2DC	UXRA5	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Cross Connects to Point of Access (POA) - Digital Loop	,		
NV	UNBUNDLED DEDICATED TRANSPORT	to POA - 4-Wire - Method 1	BDL++	UXRB1	1
		Cross Connects to Point of Access (POA) - Digital Loop			
NV	UNBUNDLED DEDICATED TRANSPORT	to POA - 4-Wire - Method 2	BDL++	UXRB2	2
		Cross Connects to Point of Access (POA) - Digital Loop			
NV	UNBUNDLED DEDICATED TRANSPORT	to POA - 4-Wire - Method 3	BDL++	UXRB5	3
		Dedicated Transport - DS1 Interoffice Transport -			
NV	UNBUNDLED DEDICATED TRANSPORT	Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
		Dedicated Transport - DS1 Interoffice Transport -			
NV	UNBUNDLED DEDICATED TRANSPORT	Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	
		Dedicated Transport - DS3 Interoffice Transport -			
NV	UNBUNDLED DEDICATED TRANSPORT	Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
		Dedicated Transport - DS3 Interoffice Transport -			
NV	UNBUNDLED DEDICATED TRANSPORT	Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	
		Dedicated Transport Cross Connect - DS1 to			
NV	UNBUNDLED DEDICATED TRANSPORT	Collocation			
		Dedicated Transport Cross Connect - DS3 to			
NV	UNBUNDLED DEDICATED TRANSPORT	Collocation			
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 / Voice Grade	CT1++, EE7M+	MQ1UB	
			·		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 / DS1	CT3++, EE7P+, EE7Q+	MQ3UB	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	LINBLINDI ED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+,	XOX15	
			BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+,		
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	NS7X+	HOX15	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (Mechanized)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+,	MOX15	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1S	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3S	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX82	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+,	XOX18	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+,	HOX18	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
			BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+,		
		Constant Constant College tion Constant	BP4X+. RP4X+, NS4X+, BP5X+,		
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (Mechanized)	RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	MOX18	
INV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect -	NS/X+	MOX18	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1D	
140	CINDOINDEED DEDICATED TIVANOI CIVI	Cross Connects to Collocation Cage - Disconnect -	ERAWA, BBETT	ODOID	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX96	
	CHECKEL BEDIONIES INVINCION	Cross Connects to Collocation Cage - Disconnect -	21(11/7), 55211	110700	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3D	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)			
INV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change -			
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (Mechanized) Cross Connects to Collocation Cage - Change -			
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 4-Wire - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - DS3 to Collocation - Initial (CESAR/LEX - Simple)			

State Product Rate Element Description COS (Class of Service) NV UNBUNDLED DEDICATED TRANSPORT to Collocation Cage - Change - DS3 to Collocation - Initial (Mechanized) Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple) Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple) Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (Mechanize						
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NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple) Cross Connects to Collocation Cage - Record - NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 2-Wire - Initial (Mechanized) Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized) Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized) Cross Connects to Collocation Cage - Record - NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation Cage - Record - NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation Cage - Record - DS3 to NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT DS6DS3 to Collocation - Initial (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT DS6DS3 to Collocation - Initial (Mechanized) Nultiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICAT	NIV/	LINDUNDUED DEDICATED TRANSPORT				
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NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	NIV/	LINDLINDI ED DEDICATED TRANSPORT				
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NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation Cage - Record - DS3 to Conscious - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT D366DS3 to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	NIV/	LINBLINDLED DEDICATED TRANSPORT				
NV UNBUNDLED DEDICATED TRANSPORT Analog/Digital 4-Wire - Initial (CESĂR/LEX - Simple) Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized) Cross Connects to Collocation Cage - Record - DS3 to Collocation - Initial (CESÁR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT D366DS3 to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT D366DS3 to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	147	ONDONDEED DEDICATED TRANSFORT				
NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) CT3++, EE7P+, EE7Q+ MUNBUNDLED DEDICATED TRANSPORT NV UNBUNDLED DEDICATED TRANSPORT NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) CT3++, EE7P+, EE7Q+ HOX91 NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple) Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - SIMPLE)	NV	UNBUNDLED DEDICATED TRANSPORT				
NV UNBUNDLED DEDICATED TRANSPORT Cross Connects to Collocation Cage - Record - DS3 to Collocation Loge - Record - DS3 to Collocation Cage - Record - DS3 to Collocation - Initial (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS1/DS0 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized) NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Connect - DS3/DS1 (Mechanized)						
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NV UNBUNDLED DEDICATED TRANSPORT Simple) Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - CT1++, EE7M+ MQ1UD Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX -	INV	UNBUNDLED DEDICATED TRANSPORT	Simple)	C13++, EE/P+, EE/Q+	HOX91	
NV UNBUNDLED DEDICATED TRANSPORT Simple) Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - CT1++, EE7M+ MQ1UD Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX -	NIV/	LINDUNDUED DEDICATED TRANSPORT	Multiplaying Connect DC2/DC4 (Machanizad)	OT2 FF7D. FF7O.		
NV UNBUNDLED DEDICATED TRANSPORT Simple) CT1++, EE7M+ MQ1UD Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX -	INV	UNBUNDLED DEDICATED TRANSPORT		C13++, EE/P+, EE/Q+		
Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX -	NIV/	LINDLINDI ED DEDICATED TRANSPORT		CT1 FE7M.	MOTUD	
	INV	UNBUNDLED DEDICATED TRANSPORT		CTT++, EE/IVI+	IVIQTOD	
11 ONDOINDEED DEDICATED HARMON ON ONLINE)	NI\/	LINBLINDLED DEDICATED TRANSPORT	, ,	CT1++ FF7M+	HOX00	
	INV	ONDONDELD DEDICATED TRANSFORT	Oimpie)	OT ITT, LLTIVIT	110/33	
NV UNBUNDLED DEDICATED TRANSPORT Multiplexing - Disconnect - DS1/DS0 (Mechanized) CT1++, EE7M+	NV	LINBLINDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (Mechanized)	CT1++ FF7M+		
Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX -	140	SINDELD DEDIGINED HANGI OICE		OTTTT, LLTIVIT		
NV UNBUNDLED DEDICATED TRANSPORT Simple) CT3++, EE7P+, EE7Q+ MQ3UD	NV	UNBUNDLED DEDICATED TRANSPORT	, ,	CT3++ FE7P+ FE7O+	MO3UD	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	НОХ99	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		

State	Draduct	Rate Element Description	COS (Class of Samiles)	USOC	Zana
State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	0300	Zone
ОН	LOOP	2-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	В
—	UNBUNDLED EXCHANGE ACCESS	2 Tring / manage money (recessor means)		0211/13	
ОН	LOOP	2-Wire Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	С
	UNBUNDLED EXCHANGE ACCESS	,	, , ,		
OH	LOOP	2-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2HXD	D
	UNBUNDLED EXCHANGE ACCESS				
OH	LOOP	2-Wire Ground Start, Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	В
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, Analog - Suburban (Access Area			
OH	LOOP	C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	С
	UNBUNDLED EXCHANGE ACCESS				_
OH	LOOP	2-Wire Ground Start, Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2JXD	D
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, DID Business - Metro (Access	MILL LIGHT LIGHT FETTING	HOMOGR	
OH	LOOP UNBUNDLED EXCHANGE ACCESS	Area B) 2-Wire Ground Start, DID Business - Suburban	MUJ++, UOB++, UOR++, EE7JX	U2WXB	В
ОН	LOOP	(Access Area C)	MILL. HOB., HOB., EEZIV	U2WXC	С
Оп	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, DID Business - Rural (Access	MUJ++, UOB++, UOR++, EE7JX	UZVVAC	
ОН	LOOP	Area D)	MUJ++, UOB++, UOR++, EE7JX	U2WXD	D
011	UNBUNDLED EXCHANGE ACCESS	Alea Dj	WOSTT, OOBTT, OOKTT, LETSX	OZVVAD	+
ОН	LOOP	2-Wire COPTS Coin - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2CXB	В
— OII	UNBUNDLED EXCHANGE ACCESS	2 Wile COLLECTION Wileto (1600000 Filed B)	West i, eest i, eeki i, ee ii,	OZOND	
ОН	LOOP	2-Wire COPTS Coin - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2CXC	С
	UNBUNDLED EXCHANGE ACCESS		, , , , , , , , , , , , , , , , , , , ,		
ОН	LOOP	2-Wire COPTS Coin - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2CXD	D
	UNBUNDLED EXCHANGE ACCESS	,			
OH	LOOP	2-Wire EKL - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2KXB	В
	UNBUNDLED EXCHANGE ACCESS				
OH	LOOP	2-Wire EKL - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2KXC	С
	UNBUNDLED EXCHANGE ACCESS				
ОН	LOOP	2-Wire EKL - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2KXD	D
	UNBUNDLED EXCHANGE ACCESS				_
OH	LOOP	4-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	В
	UNBUNDLED EXCHANGE ACCESS		100 100	1141576	
OH	LOOP	4-Wire Analog - Suburban (Access AreaC)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	С

State	Product	Rate Element Description	COS (Class of Samina)	USOC	Zono
State	UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	0300	Zone
ОН	LOOP	4-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7LX	U4HXD	D
011		Dedicated Transport Interoffice Transport: 'DS1	WOOTT, GODTT, GORTT, EETEX	OHIND	
		Interoffice Mileage Termination - Per Point of			
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
011	ONDONDEED DEDICATED TO MICH CITY	Dedicated Transport Interoffice Transport: 'DS1	OBOTT, EETWA, ORTE	021/(1	
		Interoffice Mileage Termination - Per Point of			
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
		Dedicated Transport Interoffice Transport: 'DS1	, ,		
		Interoffice Mileage Termination - Per Point of			
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
		Dedicated Transport Interoffice Transport: 'DS1			
ОН	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
		Dedicated Transport Interoffice Transport: 'DS1			
ОН	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
		Dedicated Transport Interoffice Transport: 'DS1			
ОН	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
		Dedicated Transport Interoffice Transport: 'DS3			
		Interoffice Mileage Termination - Per Point of			
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
		Dedicated Transport Interoffice Transport: 'DS3			
		Interoffice Mileage Termination - Per Point of			
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
		Dedicated Transport Interoffice Transport: 'DS3			
011	LINIDI INDI ED DEDIGATED EDANIODODE	Interoffice Mileage Termination - Per Point of	LIDE FETNIX LIKE	074140	
ОН	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
ОН	LINDLINDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3	LIDE L. EEZNY LIZO.	1YZB1	
	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones Dedicated Transport Interoffice Transport: 'DS3	UB5++, EE7NX, UK3++	IIZBI	
ОН	UNBUNDLED DEDICATED TRANSPORT	·	LIDELL EEZNV LIVOL	1YZB2	
Оп	ONDONDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones Dedicated Transport Interoffice Transport: 'DS3	UB5++, EE7NX, UK3++	I I ZBZ	
ОН	UNBUNDLED DEDICATED TRANSPORT		LIDELL EEZNV LIVOL	1YZB3	
Оп	ONDONDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	11453	
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	_
ОН	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	_
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX1	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX2	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX3	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Design & Central Office Connection	UB5++, EE7MX, UK1++	NRBCL	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	NRBCL	
ОН	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
	UNBUNDLED EXCHANGE ACCESS				
OK	LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	_
01/	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop Cross Connect to Collocation		HOVE	
OK	LOOP	(without testing)		UCXD2	
014	UNBUNDLED EXCHANGE ACCESS			110)(0.4	
OK	LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Loop Cross Connect to Collocation 4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
01/		,		HOVDA	
OK	LOOP	(without testing)		UCXD4	
014	LINIDI INDI ED DEDIGATED TOANIODORT	DT-DS1 Interoffice Transport, First Mile - Zone 1			
OK	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNHS	1
614	LINIDI INDI ED DEDIGATED TOANIOS SEE	DT-DS1 Interoffice Transport, First Mile - Zone 2			
OK	UNBUNDLED DEDICATED TRANSPORT	(Suburban)		ULNHS	2
211		DT-DS1 Interoffice Transport, First Mile - Zone 3			
OK	UNBUNDLED DEDICATED TRANSPORT	(Urban)		ULNHS	3
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	l
		DT-DS1 Interoffice Transport, Each Additional Mile -			
OK	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Rural)		ULNHS	1
		DT-DS1 Interoffice Transport, Each Additional Mile -			
OK	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNHS	2
		DT-DS1 Interoffice Transport, Each Additional Mile -			
OK	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNHS	3

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
		DT-DS1 Interoffice Transport, Each Additional Mile -			
OK	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNHS	1
		DT-DS3 Interoffice Transport, First Mile - Zone 1			
OK	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNJS	1
		DT-DS3 Interoffice Transport, First Mile - Zone 2			
OK	UNBUNDLED DEDICATED TRANSPORT	(Suburban)		ULNJS	2
014		DT-DS3 Interoffice Transport, First Mile - Zone 3			
OK	UNBUNDLED DEDICATED TRANSPORT	(Urban)		ULNJS	3
014	LINIDI INDI ED DEDIGATED TOANIODODT	DT DOO leters ("ee Teers and First Miles leters are			
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	
ОК	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		LILNIC	1
UK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile -		ULNJS	1
ОК	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNJS	2
OK	UNBONDEED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile -		OLINOS	
ОК	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNJS	3
Oit	ONDONDEED DEDIGNIED TO MOTOR	DT-DS3 Interoffice Transport, Each Additional Mile -		OLINO	+
ОК	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNJS	1
	ONDONDED DEDICATED INVITED ON	IIII O LEGITO		02.100	
OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to Collocation		UCXHX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation		UCXJX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG		UM4BX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1		UM4AX	
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 1		UXRA1	1
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 2		UXRA2	2
614	LINIDI NIDI ED DEDIGATED ED ANGESE	0.000		111/5 4 6	
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 3		UXRA3	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	,		
SC	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP	Zone 2	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
SC	LOOP UNBUNDLED EXCHANGE ACCESS	Zone 2 [DISCONNECT]	UEANL	UEASL	2
00		2-Wire Analog Voice Grade Loop - Service Level 1-	LIFANI	115401	
SC	LOOP UNBUNDLED EXCHANGE ACCESS	Zone 3	UEANL	UEASL	3
sc	LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	UEASL	
SC	UNBUNDLED EXCHANGE ACCESS	Zone 3 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Manual Order	UEANL	UEASL	3
sc	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
30	LOOF	Coordination for OVE-SETS (per 100p)	UEAINL	UEAIVIC	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
sc	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS	15. Specified Convention 1 Time for CVE CET (por ECIT)	OL, HAL	00001	+ -
sc	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1	=- · · · · -		
sc	LOOP	[DISCONNECT]	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice	- ***		
SC	LOOP	Loop-SL1	UEANL	UREPM	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone	(0.00)	0000	
SC	LOOP	1	UEQ	UEQ2X	1 1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
SC	LOOP	1 [DISCONNECT]	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
SC	LOOP	2	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
SC	LOOP	2 [DISCONNECT]	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
SC	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
SC	LOOP	3 [DISCONNECT]	UEQ	UEQ2X	3
		2 Wire Unbundled Copper Loop - Unbundled			
	UNBUNDLED EXCHANGE ACCESS	Miscellaneous Rate Element, Tag Loop at End User			
SC	LOOP	Premise	UEQ	URETL	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
SC	LOOP	1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic			
SC	LOOP	Additional Half Hour	UEQ	URETA	
	UNBUNDLED EXCHANGE ACCESS	Manual Order Coordination 2 Wire Unbundled Copper			
SC	LOOP	Loop - Non-Designed (per loop)	UEQ	USBMC	
	UNBUNDLED EXCHANGE ACCESS				
SC	LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
SC	LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
SC	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	LINDING ED EVOLUNIOS ACCESS				
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
SC	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
	LINDUNDI ED EVOLIANOS ACCESO	2-Wire Analog Voice Grade Loop - Switch-As-Is			
66	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per		LIDEOS	
SC	LOOP	DS0)	UEA	URESP	
	UNBUNDLED EXCHANGE ACCESS	D. H. Microsife and accompany of the Chica	1 IF A	LIDEDA	
SC	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1			
SC	UNBUNDLED EXCHANGE ACCESS	[DISCONNECT]	UEA	UEAL4	1
SC	LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2 4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
SC	LOOP UNBUNDLED EXCHANGE ACCESS	[DISCONNECT]	UEA	UEAL4	2
SC	LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
SC	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0) 4-Wire Analog Voice Grade Loop - Switch-As-Is	UEA	URESL	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEAL2	2
SC	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3

Product	Rate Element Description	COS (Class of Service)	USOC	Zone
UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
	2-Wire Analog Voice Grade Loop - Service Level 2			
UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
	· ·			
UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
	2-Wire Analog Voice Grade Loop - Service Level 2			
UNE LOOP COMMINGLING		NTCVG	UEAR2	2
UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
UNE LOOP COMMINGLING		NTCVG	UEAL4	1
UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	2
UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
LINE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is	NTCVG	LIRESI	
	UNE LOOP COMMINGLING UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 1 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 1 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 1 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 2 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 2 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 3 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 3 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 3 2-Wire Analog Voice Grade Loop - Service Level 2 WReverse Battery Signaling - Zone 3 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) 2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0) 2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2) UNE LOOP COMMINGLING 4-Wire Analog Voice Grade Loop - Zone 1 4-Wire Analog Voice Grade Loop - Zone 1 1DISCONNECT] UNE LOOP COMMINGLING UNE Analog Voice Grade Loop - Zone 3 UNE LOOP COMMINGLING UNE Analog Voice Grade Loop - Zone 3 UNE LOOP COMMINGLING UNE Analog Voice Grade Loop - Switch-As-Is	2-Wire Analog Voice Grade Loop - Šervice Level 2 W/Reverse Battery Signaling - Zone 1 UNE LOOP COMMINGLING 2-Wire Analog Voice Grade Loop - Service Level 2 W/Reverse Battery Signaling - Zone 1 [DISCONNECT] W/Reverse Battery Signaling - Zone 1 [DISCONNECT] W/Reverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING W/Reverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING W/Reverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING W/Reverse Battery Signaling - Zone 2 [DISCONNECT] W/Reverse Battery Signaling - Zone 2 [DISCONNECT] W/Reverse Battery Signaling - Zone 2 [DISCONNECT] W/Reverse Battery Signaling - Zone 3 [DISCONNECT] W/Reverse Battery Signaling - Zone 3 UNE LOOP COMMINGLING W/Reverse Battery Signaling - Zone 3 [DISCONNECT] W/Reverse Battery Signaling - Zone 2 [DISCONNECT] W/Reverse Battery Signaling - Zone 3 [DISCONNECT] W/Reverse Battery Signaling - Zone 2 [DISCONNECT] W/W/Ire Analog Voice Grade Loop - Zone 3 [DISCONNECT] W/W/Ire Analog Voice Grade Loop - Zone 3 [DISCONNECT] W/W/Ire Analog Voice Grade Loop - Switch-As-Is	2-Wire Analog Voice Grade Loop - Šervice Level 2 WReverse Battery Signaling - Zone 1 UNE LOOP COMMINGLING UEAR2 2-Wire Analog Voice Grade Loop - Service Level 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 1 [DISCONNECT] UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 2 [DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 3 NTCVG UEAR2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 3 NTCVG UEAR2 UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 3 [DISCONNECT] UNE LOOP COMMINGLING WReverse Battery Signaling - Zone 3 [DISCONNECT] UNE LOOP COMMINGLING UEAR2 UNE LOOP COMMINGLING UEAR2 UNE LOOP COMMINGLING UNE

USOC URESP 1L5XX U1TF1	Zone
URESP 1L5XX U1TF1	Zone
URESP 1L5XX U1TF1	Zone
1L5XX U1TF1	
1L5XX U1TF1	
1L5XX U1TF1	
U1TF1	
U1TF1	
	1
U1TF1	
1L5XX	
II1TE3	
01113	
U1TF3	
UEAL4	1
UEAL4	1
115014	
UEAL4	2
ΙΙΕΔΙΛ	2
OLAL4	
UEAL4	3
UEAL4	3
USLXX	1
,,,,,,,	
	1
USLXX	2
HELVY	2
USLXX	3
	UEAL4 UEAL4 UEAL4 UEAL4 UEAL4 UEAL4 USLXX USLXX USLXX USLXX

State	Product	Poto Element Description	COS (Class of Sorvice)	USOC	Zana
State	Floudet	Rate Element Description 4-Wire DS1 Digital Loop in Combination - Zone 3	COS (Class of Service)	0300	Zone
sc	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
		DS3 Local Loop in combination - Facility Termination			
SC	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
SC	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	
		Interoffice Channel in combination - DS1 Facility			
SC	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC1X	U1TF1	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
		Interoffice Channel in combination - DS3 - Facility			
SC	ENHANCED EXTENDED LINK (EELs)	Termination	UNC3X	U1TF3	
		Interoffice Channel in combination - DS3 - Facility			
SC	ENHANCED EXTENDED LINK (EELs)	Termination [DISCONNECT]	UNC3X	U1TF3	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	,		
TN	LOOP	Zone 1	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 (USOC=UEAL2)	UEANL	SOMAN	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 [DISCONNECT]	UEANL	UEAL2	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 2	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 2 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 2 (USOC=UEAL2)	UEANL	SOMAN	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 2 [DISCONNECT]	UEANL	UEAL2	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 (USOC=UEAL2)	UEANL	SOMAN	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 [DISCONNECT]	UEANL	UEAL2	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 (USOC=UEASL)	UEANL	SOMAN	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 1 [DISCONNECT]	UEANL	UEASL	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 2	UEANL	UEASL	2

State	Product UNBUNDLED EXCHANGE ACCESS	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 2 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	2
IIN	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	UEANL	SUMAIN	
TN	LOOP	Zone 2 (USOC=UEASL)	UEANL	SOMAN	2
111	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	OLAINE	COMAI	
TN	LOOP	Zone 2 [DISCONNECT]	UEANL	UEASL	2
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-	<u> </u>	027.02	
TN	LOOP	Zone 3	UEANL	UEASL	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 (USOC=UEASL)	UEANL	SOMAN	3
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Service Level 1-			
TN	LOOP	Zone 3 [DISCONNECT]	UEANL	UEASL	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order	UEANL	UEAMC	
IIN	LOOP	Coordination for UVL-SL1s (per loop)	UEANL	UEAIVIC	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Order Coordination			
TN	LOOP	for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
	UNBUNDLED EXCHANGE ACCESS	Tor openied conversion time for over der (per eort)	CEANAL	OCCC	
TN	LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL1		0112111	
TN	LOOP	[DISCONNECT]	UEANL	UREPN	
	UNBUNDLED EXCHANGE ACCESS	Bulk Migration Order Coordination, per 2 Wire Voice			
TN	LOOP	Loop-SL1	UEANL	UREPM	
_	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone			
	LOOP	1	UEQ	UEQ2X	1
	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone	LIEO.	001111	
TN	LOOP	1 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	1
TNI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 (USOC=UEQ2X)	UEO	CORAAN	4
TN	UNBUNDLED EXCHANGE ACCESS	2-Wire Unbundled Copper Loop - Non-Designed Zone	UEQ	SOMAN	1
TN	LOOP	1 [DISCONNECT]	UEQ	UEQ2X	1
IIN	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone	OEQ	ULQZA	I
TN	LOOP	2	UEQ	UEQ2X	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
TN	LOOP	2 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
TN	LOOP	2 (USOC=UEQ2X)	UEQ	SOMAN	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
TN	LOOP	2 [DISCONNECT]	UEQ	UEQ2X	2
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
TN	LOOP	3	UEQ	UEQ2X	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone			
TN	LOOP	3 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	3
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Non-Designed - Zone	1150	0014411	
TN	LOOP UNBUNDLED EXCHANGE ACCESS	3 (USOC=UEQ2X) 2 Wire Unbundled Copper Loop - Non-Designed - Zone	UEQ	SOMAN	3
TN	LOOP	3 [DISCONNECT]	UEQ	UEQ2X	3
IIN	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Tag Loop at End	UEQ	UEQZA	
TN	LOOP	User Premise	UEQ	URETL	
111	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic	OLQ	OKLIL	
TN	LOOP	1st Half Hour	UEQ	URET1	
	UNBUNDLED EXCHANGE ACCESS	2 Wire Unbundled Copper Loop - Loop Testing - Basic	OE &	OKETT	
TN	LOOP	Additional Half Hour	UEQ	URETA	
	200.	2 Wire Unbundled Copper Loop - Manual Order	<u> </u>	O.C.	
	UNBUNDLED EXCHANGE ACCESS	Coordination 2 Wire Unbundled Copper Loop - Non-			
TN	LOOP	Designed (per loop)	UEQ	USBMC	
	UNBUNDLED EXCHANGE ACCESS	0 117			
TN	LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
TN	LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
	UNBUNDLED EXCHANGE ACCESS				
TN	LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
	LINDING ED EVOLUNGE AGGEST				
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is		11550	
TN	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
	LINDUNDI ED EVOLIANOE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Single LSR, (per DS0)	1.15 A	COMAN	
TN	LOOP	[DISCONNECT] (USOC=URESL)	UEA	SOMAN	

State	Product	Rate Element Description	COS (Class of Service)	usoc	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Świtch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) (USOC=URESL)	UEA	SOMAN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
TN	LOOP UNBUNDLED EXCHANGE ACCESS	Bulk Migration, per 2 Wire Voice Loop-SL2 Bulk Migration Order Coordination, per 2 Wire Voice	UEA	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop-SL2 4-Wire Analog Voice Grade Loop - Zone 1	UEA UEA	UREPM UEAL4	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT] (USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 1	UEA	SOMAN	1
TN	LOOP UNBUNDLED EXCHANGE ACCESS LOOP	(USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 1	UEA UEA	SOMAN UEAL4	1
TN TN	UNBUNDLED EXCHANGE ACCESS LOOP	[DISCONNECT] 4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT] (USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 2	UEA	SOMAN	2
TN TN	LOOP UNBUNDLED EXCHANGE ACCESS LOOP	(USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA UEA	SOMAN UEAL4	2 2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT] (USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 3	UEA	SOMAN	3
TN TN	LOOP UNBUNDLED EXCHANGE ACCESS LOOP	(USOC=UEAL4) 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA UEA	SOMAN UEAL4	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Voice Grade Loop - Switch-As-Is			
TN	LOOP	Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URESL	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Single LSR, (per DS0)			
TN	LOOP	[DISCONNECT] (USOC=URESL)	UEA	SOMAN	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Single LSR, (per DS0)			
TN	LOOP	(USOC=URESL)	UEA	SOMAN	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
	UNBUNDLED EXCHANGE ACCESS	Conversion rate per UNE Loop, Spreadsheet, (per			
TN	LOOP	DS0)	UEA	URESP	
		2-Wire Analog Voice Grade Loop - Service Level 2			
TN	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2			
		w/Loop or Ground Start Signaling - Zone 1	NEONO		
TN	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	1
		2-Wire Analog Voice Grade Loop - Service Level 2	NITOVO	115410	
TN	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 2 2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEAL2	2
TNI	LINE LOOP COMMINICUMS	w/Loop or Ground Start Signaling - Zone 2	NITOVO	115410	
TN	UNE LOOP COMMINGLING	[DISCONNECT] 2-Wire Analog Voice Grade Loop - Service Level 2	NTCVG	UEAL2	2
l _{TN}	LINE LOOP COMMINCLING		NTCVG	UEAL2	9
IIN	UNE LOOP COMMINGLING	w/Loop or Ground Start Signaling - Zone 3 2-Wire Analog Voice Grade Loop - Service Level 2	NICVG	UEALZ	3
		w/Loop or Ground Start Signaling - Zone 3			
TN	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL2	3
IIN	ONL LOOF COMMININGLING	2-Wire Analog Voice Grade Loop - Service Level 2	NICVG	UEALZ	+ 3
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
111	ONE ECON CONTINUING	W/Neverse Battery digitaling - Zone 1	141040	ULANZ	+ '
		2-Wire Analog Voice Grade Loop - Service Level 2			
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
- ' ' '	5.12 2001 001mm110En10	2-Wire Analog Voice Grade Loop - Service Level 2	111000	OL/ III	+ '-
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		2-Wire Analog Voice Grade Loop - Service Level 2			
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
		2-Wire Analog Voice Grade Loop - Service Level 2			
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Service Level 2			
TN	UNE LOOP COMMINGLING	w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
		2-Wire Analog Voice Grade Loop - Switch-As-Is			
TN	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
1111	ONE EGG! COMMINITAGEMAG	2-Wire Analog Voice Grade Loop - Switch-As-Is	141646	UNLOL	
		Conversion rate per UNE Loop, Spreadsheet, (per			
TN	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
		2-Wire Analog Voice Grade Loop - Loop Tagging -			
TN	UNE LOOP COMMINGLING	Service Level 2 (SL2)	NTCVG	URETL	
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
		4-Wire Analog Voice Grade Loop - Zone 1			
TN	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	1
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
		4-Wire Analog Voice Grade Loop - Zone 2	NITOVO		
TN TN	UNE LOOP COMMINGLING UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG NTCVG	UEAL4 UEAL4	2
IIN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 4-Wire Analog Voice Grade Loop - Zone 3	NICVG	UEAL4	3
TN	UNE LOOP COMMINGLING	[DISCONNECT]	NTCVG	UEAL4	3
111	ONE EGG! CONMININGENIA	[DIOCONNEOT]	141040	OLALT	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
TN	UNE LOOP COMMINGLING	Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
		4-Wire Analog Voice Grade Loop - Switch-As-Is			
		Conversion rate per UNE Loop, Spreadsheet, (per			
TN	UNE LOOP COMMINGLING	DS0)	NTCVG	URESP	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Stand Alone - Interoffice Channel - DS1 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination Company of the Company o	U1TD1	U1TF1	
		Stand Alone - Interoffice Channel - DS1 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination [DISCONNECT] (USOC=U1TF1)	U1TD1	SOMAN	
		Stand Alone - Interoffice Channel - DS1 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination (USOC=U1TF1)	U1TD1	SOMAN	
		Stand Alone - Interoffice Channel - DS1 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination [DISCONNECT]	U1TD1	U1TF1	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
		Stand Alone - Interoffice Channel - DS3 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination	U1TD3	U1TF3	
		Stand Alone - Interoffice Channel - DS3 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination [DISCONNECT] (USOC=U1TF3)	U1TD3	SOMAN	
		Stand Alone - Interoffice Channel - DS3 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination (USOC=U1TF3)	U1TD3	SOMAN	
		Stand Alone - Interoffice Channel - DS3 - Facility			
TN	UNBUNDLED DEDICATED TRANSPORT	Termination [DISCONNECT]	U1TD3	U1TF3	
		4-Wire Analog Voice Grade Loop in Combination -			
TN	ENHANCED EXTENDED LINK (EELs)	Zone 1	UNCVX	UEAL4	1
		4-Wire Analog Voice Grade Loop in Combination -			
TN	ENHANCED EXTENDED LINK (EELs)	Zone 1 (USOC=UEAL4)	UNCVX	SOMAN	1
		4-Wire Analog Voice Grade Loop in Combination -			
TN	ENHANCED EXTENDED LINK (EELs)	Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
	ENHANCED EXTENDED LINUX (EEL.)	4-Wire Analog Voice Grade Loop in Combination -	LINIOVA	115414	
TN	ENHANCED EXTENDED LINK (EELs)	Zone 2	UNCVX	UEAL4	2
	ENHANCED EXTENDED LINUX (EEL.)	4-Wire Analog Voice Grade Loop in Combination -	LINOVAY	001141:	
TN	ENHANCED EXTENDED LINK (EELs)	Zone 2 (USOC=UEAL4)	UNCVX	SOMAN	2
	ENHANCED EXTENDED LINE (EEL a)	4-Wire Analog Voice Grade Loop in Combination -	LINGVOV	115014	
TN	ENHANCED EXTENDED LINK (EELs)	Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
TN:	ENHANCED EVTENDED LINUX (EEL -)	4-Wire Analog Voice Grade Loop in Combination -	LINOVY	115414	
TN	ENHANCED EXTENDED LINK (EELs)	Zone 3	UNCVX	UEAL4	3
TN:	ENHANCED EVTENDED LINUX (EEL -)	4-Wire Analog Voice Grade Loop in Combination -	LINOVY	COMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Zone 3 (USOC=UEAL4)	UNCVX	SOMAN	3

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		4-Wire Analog Voice Grade Loop in Combination -			
TN	ENHANCED EXTENDED LINK (EELs)	Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
		4-Wire DS1 Digital Loop in Combination - Zone 1			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	1
		4-Wire DS1 Digital Loop in Combination - Zone 1			
TN	ENHANCED EXTENDED LINK (EELs)	(USOC=USLXX)	UNC1X	SOMAN	1
		4-Wire DS1 Digital Loop in Combination - Zone 1			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			
TN	ENHANCED EXTENDED LINK (EELs)	(USOC=USLXX)	UNC1X	SOMAN	2
		4-Wire DS1 Digital Loop in Combination - Zone 2			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
		4-Wire DS1 Digital Loop in Combination - Zone 3			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	3
	, ,	4-Wire DS1 Digital Loop in Combination - Zone 3			
TN	ENHANCED EXTENDED LINK (EELs)	(USOC=USLXX)	UNC1X	SOMAN	3
	,	4-Wire DS1 Digital Loop in Combination - Zone 3			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC1X	USLXX	3
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
	,	DS3 Local Loop in combination - Facility Termination			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT] (USOC=UE3PX)	UNC3X	SOMAN	
	,	DS3 Local Loop in combination - Facility Termination			
TN	ENHANCED EXTENDED LINK (EELs)	(USOC=UE3PX)	UNC3X	SOMAN	
		DS3 Local Loop in combination - Facility Termination			
TN	ENHANCED EXTENDED LINK (EELs)	[DISCONNECT]	UNC3X	UE3PX	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
		Interoffice Channel in combination - DS1 Facility			
TN	ENHANCED EXTENDED LINK (EELs)	Termination	UNC1X	U1TF1	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT] (USOC=U1TF1)	UNC1X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination (USOC=U1TF1)	UNC1X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT] (USOC=U1TF3)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination (USOC=U1TF3)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
TN	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	2-Wire Analog Loop - Disconnect		NKCT1	
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
	UNBUNDLED EXCHANGE ACCESS	2-Wire Analog Loop Cross Connect to Collocation			
TX	LOOP	(without testing)		UCXD2	
	UNBUNDLED EXCHANGE ACCESS				
TX	LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
	UNBUNDLED EXCHANGE ACCESS	4-Wire Analog Loop Cross Connect to Collocation			
TX	LOOP	(without testing)		UCXD4	
		DT-DS1 Interoffice Transport, First Mile - Zone 1			
TX	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNHS	1
		DT-DS1 Interoffice Transport, First Mile - Zone 2			
TX	UNBUNDLED DEDICATED TRANSPORT	(Suburban)		ULNHS	2
		DT-DS1 Interoffice Transport, First Mile - Zone 3			
TX	UNBUNDLED DEDICATED TRANSPORT	(Urban)		ULNHS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Disconnect		NKCT8	
		DT-DS1 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Rural)		ULNHS	1

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		DT-DS1 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNHS	2
		DT-DS1 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNHS	3
		DT-DS1 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNHS	
		DT-DS3 Interoffice Transport, First Mile - Zone 1			
TX	UNBUNDLED DEDICATED TRANSPORT	(Rural)		ULNJS	1
T \/	LINIDUNDUED DEDICATED TO ANIODODT	DT-DS3 Interoffice Transport, First Mile - Zone 2			
TX	UNBUNDLED DEDICATED TRANSPORT	(Suburban) DT-DS3 Interoffice Transport, First Mile - Zone 3		ULNJS	2
TX	UNBUNDLED DEDICATED TRANSPORT	(Urban)		LILNIC	2
1.7	UNBUNDLED DEDICATED TRANSPORT	(Orban)		ULNJS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Disconnect		NKCT9	
		DT-DS3 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 1 (Rural)		ULNJS	1
		DT-DS3 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 2 (Suburban)		ULNJS	2
>.		DT-DS3 Interoffice Transport, Each Additional Mile -			
TX	UNBUNDLED DEDICATED TRANSPORT	Zone 3 (Urban)		ULNJS	3
TV	LINDUNDUED DEDICATED TO ANCOORT	DT-DS3 Interoffice Transport, Each Additional Mile -		111 1110	
TX	UNBUNDLED DEDICATED TRANSPORT	Interzone		ULNJS	l
TX	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation	UBNTX	UCXHX	
TX	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG		UM4BX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG - Disconnect		NKCTC	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1		UM4AX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1 - Disconnect		NKCT6	

					\Box
State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
WI	LOOP	2-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	С
	UNBUNDLED EXCHANGE ACCESS	,			
WI	LOOP	2-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	В
	UNBUNDLED EXCHANGE ACCESS				
WI	LOOP	2-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2HXA	Α
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, Analog DID/Reverse Battery -			
WI	LOOP	Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2WXC	С
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, Analog DID/Reverse Battery -			
WI	LOOP	Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2WXB	В
	UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, Analog DID/Reverse Battery -			
WI	LOOP	Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2WXA	Α
l	UNBUNDLED EXCHANGE ACCESS				
WI	LOOP	2-Wire Ground Start, PBX - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	С
	UNBUNDLED EXCHANGE ACCESS	O.W. O. C. and O. C. C. D.D.Y. O. L. alice (Access Acces D.)	MILLS HODS HODS FEZIV	LIO IVD	
WI	LOOP UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, PBX - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	В
\ \		O Mine Crewed Chart DDV Matre (Access Area A)	MILLS HODS HODS FEZIV	110 17/4	
WI	LOOP UNBUNDLED EXCHANGE ACCESS	2-Wire Ground Start, PBX - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2JXA	A
WI	LOOP	2 Wire CORTS Coin Dural (Access Area C)	MILLS HODS HODS	LIOCYC	С
VVI	UNBUNDLED EXCHANGE ACCESS	2-Wire COPTS Coin - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	
WI	LOOP	2-Wire COPTS Coin - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	В
VVI	UNBUNDLED EXCHANGE ACCESS	2-Wile COF 13 Coin - Suburban (Access Area b)	WOJTT, OOBTT, OOKTT	UZCAD	
WI	LOOP	2-Wire COPTS Coin - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	A
V V I	UNBUNDLED EXCHANGE ACCESS	2-Wile COL TO COIL - Wello (Access Alea A)	MOSTT, OOBTT, OOKTT	OZOAA	+
WI	LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	С
***	UNBUNDLED EXCHANGE ACCESS	2 Trio Lite Italia (100000 Triod 0)		02100	+ $$
WI	LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	В
	UNBUNDLED EXCHANGE ACCESS		,,		
WI	LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	Α
	UNBUNDLED EXCHANGE ACCESS		, ,		+
WI	LOOP	4-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	С
	UNBUNDLED EXCHANGE ACCESS	,			
WI	LOOP	4-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	В

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
	UNBUNDLED EXCHANGE ACCESS				
WI	LOOP	4-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7KX	U4HXA	Α
		Dedicated Transport Interoffice Transport: DS1			
l		Interoffice Mileage Termination - Per Point of		~ =	
WI	UNBUNDLED DEDICATED TRANSPORT	Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
	LINIDI INDI ED DEDIGATED TOANIODORT	Dedicated Transport Interoffice Transport: DS1	LIDE EETMALIIKA	074)/0	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage Termination - Per Point of	UB5++, EE7MX, UK1++	CZ4X2	
14/1	LINIDI INDI ED DEDIGATED TOANIODODT	Dedicated Transport Interoffice Transport: DS1	LIDE EEZNAY LUKA	074)/0	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage Termination - Per Point of	UB5++, EE7MX, UK1++	CZ4X3	
WI	LINDUNDUED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1	LIDE EEZMY LIKA	41/7//4	
VVI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	LIDE EE7MV LIK1	1YZX2	
VVI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1	UB5++, EE7MX, UK1++	ΙΙΖΛΖ	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
VVI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3	UBS++, EE7WA, UK1++	112/3	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage Termination - Per Point of	UB5++, EE7NX, UK3++	CZ4W1	
V V I	ONDONDEED DEDICATED TRANSFORT	Dedicated Transport Interoffice Transport: DS3	OBSTT, ELTIVA, ORSTT	024771	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage Termination - Per Point of	UB5++, EE7NX, UK3++	CZ4W2	
V V I	ONDONDEED DEDICATED TRANSFORT	Dedicated Transport Interoffice Transport: DS3	OBSTT, ELTIVA, ORSTT	OZ4VVZ	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage Termination - Per Point of	UB5++, EE7NX, UK3++	CZ4W3	
V V I	ONDONDEED DEDIGATED TRAINED ORT	Dedicated Transport Interoffice Transport: DS3	OBSTT, EETIVA, ORSTT	024773	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
***	ONDONDEED DEDIGNIED INVINCTION	Dedicated Transport Interoffice Transport: DS3	05011, 227177, 01011	11251	
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
		Dedicated Transport Interoffice Transport: DS3	02011, 221101, 011011		
WI	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
			, =====================================		
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	
			,		
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
		-			
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX1	
WI	UNBUNDLED DEDICATED TRANSPORT	Arranged	UB5++, EE7MX, UK1++	CLYX2	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Disconnect			
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administrative Charge - Per Disconnect Order	UB5++, EE7MX, UK1++	TBD	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge - Per	UB5++, EE7MX, UK1++	NRBCL	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge	UB5++, EE7MX, UK1++	TBD	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administrative Charge - Per Disconnect	UB5++, EE7NX, UK3++	TBD	

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
		Dedicated Transport Installation & Rearrangement			
WI	UNBUNDLED DEDICATED TRANSPORT	Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	NRBCL	
		Dedicated Transport Installation & Rearrangement			
WI	UNBUNDLED DEDICATED TRANSPORT	Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	TBD	
		Dedicated Transport Installation & Rearrangement			
WI	UNBUNDLED DEDICATED TRANSPORT	Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	

Exhibit B

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Onvoy, LLC	Interconnection	3/4/2008
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Onvoy, LLC	Interconnection	7/18/2008
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Onvoy, LLC	Interconnection	8/6/2004
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Onvoy, LLC	Interconnection	7/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Onvoy, LLC	Interconnection	7/10/2009
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (Previously referred to as Illinois Bell Telephone Company d/b/a AT&T ILLINOIS)	Onvoy, LLC	Interconnection	2/4/2004
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Onvoy, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Onvoy, LLC	Interconnection	9/15/2008
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Onvoy, LLC	Interconnection	5/29/2009
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Onvoy, LLC	Interconnection	5/14/2008
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Onvoy, LLC	Interconnection	7/22/2004
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Onvoy, LLC	Interconnection	11/29/2005

Amendment – FCC UNE and Resale Forbearance /AT&T-21STATE

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BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Onvoy, LLC	Interconnection	4/8/2008
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Onvoy, LLC	Interconnection	9/6/2005
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Onvoy, LLC	Interconnection	3/27/2008
The Ohio Bell Telephone Company d/b/a AT&T Ohio	Onvoy, LLC	Interconnection	11/23/2004
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Onvoy, LLC	Interconnection	12/14/2014
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Onvoy, LLC	Interconnection	3/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Onvoy, LLC	Interconnection	3/24/2008
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Onvoy, LLC	Interconnection	10/3/2005
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Onvoy, LLC	Interconnection	7/26/2004