

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

DOCKET NO. UM _____

In the Matter of

QWEST CORPORATION D/B/A
CENTURLINK QC

Petition for Approval of Elimination of the Qwest
Performance Assurance Plan and Performance
Indicator Definitions

PETITION FOR APPROVAL OF
ELIMINATION OF THE QWEST
PERFORMANCE ASSURANCE
PLAN AND PERFORMANCE
INDICATOR DEFINITIONS

PETITION

Qwest Corporation d/b/a CenturyLink QC (“CenturyLink”) requests that the Commission issue an order eliminating the Performance Indicator Definitions (“PIDs”) and Performance Assurance Plan (“PAP”) portions of its interconnection agreements (“ICAs”) with each Oregon CLEC.¹ The PIDs and PAP have been in place for nearly twenty (20) years and have become less relevant each year. In 2019 and 2020, the Federal Communications Commission (“FCC”) further reduced the products CenturyLink must provide to CLECs as unbundled network elements. Rather than incorporating those changes and making expensive system changes to modify them, CenturyLink believes it is time to eliminate the PIDs and PAP entirely. The states of South Dakota, Idaho, Iowa, Montana, Nebraska, Wyoming, North Dakota, Colorado, Utah, New Mexico and Minnesota have approved the elimination of the PIDs and PAP.² A similar petition is

¹ The PIDs are included as Exhibit B to each ICA; the PAP is Exhibit K.

² *In the Matter of CenturyLink QC’s Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Order Granting Approval of the Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions, SD PUC Docket No. TC20-047 (October 29, 2020); *In the Matter of Qwest Corporation’s Petition for Elimination of Performance Assurance Plan and Performance*

now pending in Arizona,³ and another will soon be filed in Washington. This will complete all filings required in the Qwest Corporation serving area. CenturyLink respectfully requests the Commission's approval of this Petition. In support, CenturyLink offers the following:

BACKGROUND

1. The PAP is a self-effectuating performance assurance plan that is implemented as Exhibit K of ICAs between CenturyLink and CLECs that opt to include it in their ICAs. The PIDs are implemented as Exhibit B to CenturyLink's ICAs and contain the definitions and metrics that support the PAP.

2. The PAP contains terms and conditions, including performance indicator

Indicator Definitions, Order No. 35379, Idaho Public Utilities Commission, Case No. QWE-T-21-13 (April 21, 2022); *In re: Qwest Corporation d/b/a CenturyLink QC, Order Granting Petition for Elimination*, Iowa Utilities Board, Docket No. M-0272 (June 25, 2021); *In the Matter of CenturyLink QC's Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Default Order No. 7813a, Montana Department of Public Service Regulation Docket No. 2021.07.102 (March 16, 2022); *In the Matter of Qwest Corporation dba CenturyLink QC, Overland Park, Kansas, seeking authority to eliminate the Performance Indicator Definitions and Performance Assurance Plan from its Interconnection Agreements with Nebraska CLECs*, Order Granting, NE PSC Docket No. C-5309 (Nov. 16, 2021); *In the Matter of CenturyLink QC's Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Order Granting 15954, Public Service Commission of Wyoming, Docket No. 70000-1737-TA-21 (February 4, 2022); *Qwest Corporation PIDs & PAP Cancellation/Application*, Findings of Fact, Conclusions of Law and Order, Public Service Corporation of North Dakota, Case No. PU-22-20 (September 7, 2022); *In the Matter of the Verified Petition of CenturyLink for Elimination of the Qwest Performance Assurance Plan (PAP) and Associated Performance Indicator Definitions (PIDs)*, Recommended Decision of Administrative Law Judge Dismissing Intervention and Granting Petition, Public Utilities Commission of Colorado, Proceeding No. 22M-0092T, Decision No. R22-0602 (October 6, 2022); and *Qwest Corporation d/b/a CenturyLink QC's Petition for Elimination of Performance Assurance Plan and Performance Indicator Definitions*, Order, Public Service Commission of Utah, Docket No. 22-049-60 (October 13, 2022); *In the Matter of CenturyLink QC's Verified Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Order Granting CenturyLink QC's Verified Petition, New Mexico Public Regulation Commission, Docket No. 22-00310-UT (May 17, 2023); *In the Matter of CenturyLink QC's Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Order, Minnesota Public Utilities Commission, Docket No.. P-421/M-23-115 (May 16, 2023).

³ *Arizona Corporation Commission, CenturyLink QC's Application for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions*, Docket No. T-01051B-23-0106 (filed April 26, 2023).

definitions, that were established as part of CenturyLink's (then known as Qwest) efforts in the early 2000s, to obtain FCC approval, pursuant to 47 U.S.C. § 271, to enter the interstate long distance telecommunications market. The PAP was negotiated to provide additional assurance of continued appropriate interconnection and network access between CenturyLink and CLECs.

3. To stay compliant with the FCC's August 2, 2019, Order titled "UNE Analog Loop and Resale Forbearance Order," CenturyLink filed to update the PIDs and PAP (Exhibit B and Exhibit K to ICAs) in the state of Oregon on May 19, 2020. The Commission approved these changes by Order No. 20-384 issued October 27, 2020 in Docket No. UM 2098. This change significantly reduced the remaining volume of products and metrics under the PIDs/PAP.

4. On October 28, 2020, the FCC issued its "UNE Modernizing Forbearance Order" (the "Second Order") that made further significant changes:

- a. Eliminating unbundling requirements, subject to a reasonable transition period, for enterprise-grade DS1 and DS3 loops;
 - b. Eliminating unbundling requirements for broadband-capable DS0 loops in the most densely populated areas, and for voice-grade narrowband loops nationwide;
 - c. Eliminating unbundled dark fiber transport provisioned from wire centers within a half-mile of competitive fiber networks but providing an eight-year transition period for existing circuits so as to avoid stranding investment and last-mile deployment by competitive LECs that may harm consumers.⁴
5. Complying with the FCC's Second Order would remove almost all the PIDs

⁴ *In the Matter of Modernizing Unbundling and Resale Requirements in an Era of Next-Generation Networks and Services*, Report and Order, WC Docket No. 19-308, Released Oct. 28, 2020, ¶ 3.

and PAP over various product level timelines. Modifying the PIDs and PAP to comply with the Second Order would require CenturyLink to completely change the architecture of the automated reporting processing. The Second Order lists which counties are deemed competitive and open to the forbearance. Complying would require that metrics be compiled at a wire center level rather than at a state level. Doing so for both our wholesale CLECs and all our retail customers (for the parity calculation of non-discrimination) would be very costly.

6. Some of CenturyLink's CLECs have already signed Amendments to their ICAs as well as new Commercial Agreements. They have begun to order products outside of these short-term remaining UNEs from their ICAs, thus making these remaining months of metric tracking no longer relevant in proving non-discrimination, which was the original intent of the PIDs/PAP framework under the Telecommunications Act.

ICA AMENDMENTS TO IMPLEMENT FCC'S 2020 MODERNIZATION ORDER

7. CenturyLink has notified impacted CLECs of its proposal to eliminate the PIDs and PAP. A copy of the notice is attached as **Exhibit 1**.

8. Amendments of PIDs and PAP require a separate proceeding independent from the normal ICA amendment filing process, as outlined in Section 17.2 of the current PAP:

17.2 If CenturyLink QC or CLEC wishes to modify a PID or a PAP provision, the change must be approved by the Commission. Prior to seeking Commission approval, CenturyLink QC and CLEC will use the dispute resolution process set forth in Section 16.0 as the procedure for

resolving the issues. Either CenturyLink or CLEC may submit its proposed modification(s) to the Commission for approval. The Commission will establish a process for providing notice and considering such request, including timelines for interested parties or Staff to oppose the request. If the request is unopposed, the Commission may grant such request without a hearing or further notice.

9. Such changes do not require interconnection agreement amendments.

Paragraph 15.2 of the current PAP provides:

15.2.1 Subsequent changes to the PAP approved by the Commission will be incorporated into individual interconnection agreements that contain the PAP as soon as the effective date of the Commission order, and without further Amendment to those Agreements.

10. Consistent with this requirement, in advance of this filing, CenturyLink notified CLECs and reached out to CLECs regarding their position on the proposed amendments on November 29, 2022, December 2, 2022, December 12, 2022, January 3, 2023 and April 11, 2023. It reached out directly to the CLECs with the highest volume and/or payments under the current plan and received no objections related to the state of Oregon. CenturyLink also provided a notice in the Change Management Process attached as **Exhibit 1**.

11. This Petition is consistent with other petitions CenturyLink filed with commissions in South Dakota, Idaho, Iowa, Montana, Nebraska, Wyoming, North Dakota, Colorado, Utah, New Mexico, and Minnesota. The South Dakota order approving the petition is attached as **Exhibit 2**. The Idaho order approving the petition is attached as **Exhibit 3**. The Iowa order approving the petition is attached as **Exhibit 4**. The Montana order approving the petition is attached as **Exhibit 5**. The Nebraska order approving the petition is attached as **Exhibit 6**. The Wyoming order approving the

petition is attached as **Exhibit 7**. The North Dakota order approving the petition is attached as **Exhibit 8**. The Colorado order approving the petition is attached as **Exhibit 9**. The Utah order approving the petition is attached as **Exhibit 10**. The New Mexico order approving the petition is attached as **Exhibit 11**. The Minnesota order approving the petition is attached as **Exhibit 12**.

THE IMPACT ON OREGON CLECS WILL BE MINIMAL

12. CLECs' reliance on the PAP has declined dramatically in Oregon. CenturyLink's most significant competitors (cable and wireless) have their own networks and unbundled network elements are no longer significant components of the competitive landscape. Payments to CLECs under the PAP have declined from \$449,808 in 2003 to \$0 from January through April 2023. The table below summarizes PAP payments year by year since 2003. The increase in 2022 was mainly caused by a single event, an outlier event involving Local Number Portability that accounted for two-thirds of the 2022 total. Errors were made on a handful of purchase orders, and because CenturyLink could not determine whether the errors were the CLEC's or CenturyLink's, CenturyLink accepted responsibility and treated them as misses.

All-Tiers PAP Payments for the State of Oregon
All PAP Metrics
Official Centurylink Corporate 271 Results
January 2003 through April 2023

	Oregon
Year	Total PAP Payments
2003	\$449,808
2004	\$550,149
2005	\$352,047
2006	\$301,322
2007	\$215,499
2008	\$158,218
2009	\$96,413
2010	\$86,593
2011	\$176,316
2012	\$109,609
2013	\$108,881
2014	\$16,101
2015	\$26,325
2016	\$10,061
2017	\$4,688
2018	\$177
2019	\$3,422
2020	\$186
2021	\$3,720
2022	\$12,274
2023 YTD	\$0

13. Both CLEC order volume for services and repair volume still covered by the PAP continue to decline:

CLEC PID/PAP Provisioning Orders, Repair Tickets, and PAP Payments for the State of Oregon
 By Product Reported in Metrics OPS, MR8 and Payments Filed
 Official Centurylink Corporate 271 Results - January 2014 through April 2023

Non-UNE Product		Products in Transition Unbundled Loop Products Transitioning From ICAs/UNEs From 2020 FCC UNE Forbearance Order *					Products Removed from PID/PAP From 2019 FCC UNE Forbearance Order			
Non-UNE Outside Telecom Act		Products Currently Transitioning and Can No Longer be Ordered As of 2/8/2023					Product Removed September 2022 **	Products Removed May 2021 (orders) and August 2022 (tickets) ***		
LIS Trunk		DS1 Capable	2 Wire Non-Loaded	Sub Loop	XDSLi	ADSL Capable	Enhanced Extended Loops - DS1 Capable	Residence	Unbundled Loop - Analog	
Order Volume (Reported in Metric OP5A)										
Year	# Orders	# Orders					# Orders			
2014	68	531	2216	7	0	499	0	26	2276	
2015	146	357	2102	294	0	264	0	54	1704	
2016	60	271	1837	365	0	159	0	40	1434	
2017	62	169	1162	246	0	168	0	11	1040	
2018	47	167	1072	210	0	78	0	7	534	
2019	84	82	765	166	0	43	0	24	616	
2020	78	51	521	77	0	8	3	1	698	
2021	57	33	271	18	0	15	3	0	71	
2022	45	5	97	15	0	1	0	0	0	
2023 YTD	4	1	7	3	0	0	0	0	0	
Repair Volume (Reported in Metric MR8)										
Year	# Tickets	# Tickets					# Tickets			
2014	20	446	230	38	3	90	122	19	1328	
2015	12	366	226	80	1	55	104	20	1129	
2016	12	314	232	86	2	56	79	29	1116	
2017	12	248	201	129	0	35	41	27	711	
2018	2	172	138	109	0	26	40	20	693	
2019	10	161	121	138	0	10	43	20	602	
2020	0	126	107	64	0	16	38	14	510	
2021	0	106	98	45	0	15	36	10	504	
2022	2	124	81	13	0	8	22	7	247	
2023 YTD	1	24	9	0	0	2	0	0	0	
CLEC PAP Payments by Product										
Year	Payment \$	LNP	Payment \$					Payment \$		
2014	\$ 563	\$ -	\$ 6,651	\$ 1,503	\$ -	\$ -	\$ -	\$ 1,084	\$ 337	\$ 5,963
2015	\$ -	\$ -	\$ 5,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 20,875
2016	\$ -	\$ -	\$ 573	\$ 3,990	\$ -	\$ -	\$ -	\$ 792	\$ 616	\$ 4,090
2017	\$ -	\$ -	\$ 2,502	\$ -	\$ -	\$ -	\$ -	\$ 590	\$ 782	\$ 814
2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 177	\$ -
2019	\$ -	\$ -	\$ 1,160	\$ 1,595	\$ -	\$ -	\$ -	\$ 389	\$ -	\$ 278
2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 186	\$ -
2021	\$ -	\$ -	\$ 429	\$ 180	\$ 213	\$ -	\$ -	\$ 2,296	\$ 365	\$ 450
2022	\$ -	\$ 8,805	\$ 867	\$ 1,550	\$ -	\$ -	\$ -	\$ 229	\$ 823	\$ -
2023 YTD	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

* Products transitioning to either tariffed or commercial agreement products at CLEC discretion and as they sign commercial agreements.
 ** Transport Forbearance. Product transitioned to tariffed product.
 *** Voice Forbearance. Commission approved these removals under changes to Exhibit B and Exhibit K. Reporting implementation was delay until all states approved.

14. CenturyLink systems record how often CLECs log into the PAP to review performance in Oregon. Most CLECs do not even check their results (only 3 CLECs have checked since 2014 and have done so very infrequently):

Oregon State CLEC's Who've Logged Into QPID to Access Their PID/PAP Results *
 Official Centurylink QPID Admin Report as of April 2023

CUSTOMERNAME	# of Log-In's									
	2023 YTD	2022	2021	2020	2019	2018	2017	2016	2015	2014
OR CLEC #1	2		2	1				1		
OR CLEC #2						1			1	1
OR CLEC #3								1		
TOTAL	2	0	2	1	0	1	0	2	1	1

* These are Oregon CLEC's who logged into the QPID application where all state reports reside. They could have accessed any state, not necessarily Oregon.

15. As evidenced by the changes to unbundling obligations ordered by the FCC, the decline in services covered by the PIDs and PAP, and the cost of updating these documents and systems compared to CLECs' interest in them, it is time to eliminate the PIDs and PAP entirely. For instance, processing PIDs/PAP reports requires CenturyLink to pull data from numerous source systems internally. As technology changes, CenturyLink has been required to consolidate those source systems. Historically CenturyLink completes 3-5 major conversion projects per year at a cost of \$2,000,000 to \$4,000,000 annually, and the inclusion of otherwise unnecessary PIDs/PAP data sets continues to contribute to ever-increasing conversion costs. More specifically, the necessary PIDs/PAP reporting statistical analysis software is required exclusively for PIDs/PAP and costs an additional \$400,000 to \$500,000 annually on top of the yearly conversion project costs.

REQUEST FOR RELIEF

WHEREFORE, CenturyLink requests that the Commission do the following:

1. Approve the elimination of PIDs and PAP from all interconnection agreements in Oregon as soon as possible;
2. Deem all existing interconnection agreements that currently contain the PAP and PIDs modified to incorporate these revisions as soon as possible, and without need for further filings or approvals;
3. In the event there is no opposition to this Petition within 30 days, CenturyLink requests that the Petition be granted without a hearing, further filings, or proceedings;

4. To the extent there is opposition to this Petition, CenturyLink recommends that the Commission schedule a technical conference to further discuss the elimination of PAP and PIDs.

DATED: June 23, 2023

Respectfully Submitted,

PERKINS COIE LLP

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Requested By:	AA10021	Worked By:	AA10021
Submit Date:	04/11/23 12:36:36	Worked Date:	04/11/23 12:43:36
Requested Mailing Date:	04/11/23 & " - " & 04/11/23		
Requested Subject:	Exhibit B (PID) and Exhibit K (PAP) Filing for Removal in Oregon	Subject Update:	Exhibit B (PID) and Exhibit K (PAP) Filing for Removal in Oregon
Region:	IN		
Original Content:	CMPR.CMPP.04.11.23.F.20305.PID_PAP_Removal_OR.docx	Content:	CMPR.CMPP.04.11.23.F.20305.PID_PAP_Removal_OR.htm
Attachment:		Attachment:	
Attachment:		Attachment:	
Attachment:		Attachment:	
Attachment:		Attachment:	
Attachment:		Attachment:	
Comments:		Notes:	

MAIL BASE : BType
SUBJECT : Exhibit B (PID) and Exhibit K (PAP) Filing for Removal in Oregon
Notification Type : Contract,CMP,General
States : OR
Business Types : CLEC-Q

Announcement Date: April 11, 2023
Effective Date: April 11, 2023
Notification Number: CMPR.CMPP.04.11.23.F.20305.PID_PAP_Removal_OR
Notification Category: CMP; Contract; General
Target Audience: CLEC-Q
Subject: Exhibit B (PID) and Exhibit K (PAP) Filing for Removal in Oregon
Disposition Level 1

Please route this notice to those in your company who have responsibility for regulatory reporting.

This notification to CenturyLink's CLEC customers in the state of Oregon is to provide advance notice of our intent to file for removal of the following exhibits from this states' interconnection agreements: Exhibit B - Performance Indicator Definitions (PID) and Exhibit K – Performance Assurance Plan (PAP). We anticipate filing with the state's commission to occur in May 2023.

CenturyLink continually analyzes declining/low volumes, the changing communications business, and current regulatory environment against the original intent of these metrics. At this point volumes are so low, continue to decline, and communications with CLECs about the measurements are so rare that we believe the PAP and PIDs no longer serve a useful function.

CenturyLink has either met with or attempted to meet with CLECs that still have the most volume of services measured by the PID or PAP in Oregon to address any issues or concerns and have received no objection from them to this proposed action and no plans to intervene.

If you have any questions, concerns, or would like to discuss this notice, please contact Nancy Tangeman at Nancy.Tangeman@lumen.com by May 11, 2023.

CenturyLink appreciates your business, and we look forward to our continued relationship.

Sincerely,

CenturyLink

Please contact the CMP Manager by e-mail at cmpcr@CenturyLink.com immediately if this change alters your operating procedures and requires CenturyLink's assistance to resolve. Please include the Notification Number or Subject line for reference.

Sincerely,

Qwest Corporation dba CenturyLink QC

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cc: < SalesManagerName >
 < VoiceTraderName >
 < ServiceManagerName >





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Email Contacts








RED ROWS indicate the email has not been confirmed as received [bounces are processed 11pm PST].

YELLOW ROWS indicate the mail initially bounced but was resent until successfully received [bounces are processed 11pm PST].

CCDBID	Contract Name	Contact Name	Email	Notified On	Common Name	Email Receipt	Email Read	Repository Receipt
10141	365 Wireless LLC	Glenn Messner	glenn@365wireless.net	04/11/2023 12:46:46 PST	365 Wireless LLC			
10141	365 Wireless LLC	Accts Payable	ap@brightlinkip.com	04/11/2023 12:46:23 PST	365 Wireless LLC			
10141	365 Wireless LLC	Donny McKinnies	Donny@365Wireless.net	04/11/2023 12:47:09 PST	365 Wireless LLC			
1114	AboveNet of Utah L.L.C Zayo Group, LLC (fka AboveNet, Inc.) Zayo Group, LLC (fka AboveNet, Inc. fka AboveNet Communications, Inc.) Zayo Group, LLC (fka AboveNet of Utah, LLC)	Jeff Kirk	jeff.kirk@zayo.com	04/11/2023 12:46:40 PST	ZAYO GROUP, LLC FKA ABOVENET			
1114	AboveNet of Utah L.L.C Zayo Group, LLC (fka AboveNet, Inc.) Zayo Group, LLC (fka AboveNet, Inc. fka AboveNet Communications, Inc.) Zayo Group, LLC (fka AboveNet of Utah, LLC)	Jaclyn Baca	jaclyn.baca@zayo.com	04/11/2023 12:46:07 PST	ZAYO GROUP, LLC FKA ABOVENET			

1114	AboveNet of Utah L.L.C Zayo Group, LLC (fka AboveNet, Inc.) Zayo Group, LLC (fka AboveNet, Inc. fka AboveNet Communications, Inc.) Zayo Group, LLC (fka AboveNet of Utah, LLC)	James Sun	James.Sun@Zayo.com	04/11/2023 12:46:48 PST	ZAYO GROUP, LLC FKA ABOVENET			
1114	AboveNet of Utah L.L.C Zayo Group, LLC (fka AboveNet, Inc.) Zayo Group, LLC (fka AboveNet, Inc. fka AboveNet Communications, Inc.) Zayo Group, LLC (fka AboveNet of Utah, LLC)	Gina Thomas	gina.thomas@zayo.com	04/11/2023 12:46:32 PST	ZAYO GROUP, LLC FKA ABOVENET			
3510	ACN Communication Services Inc	Kim McMillan	kim.mcmillan@acninc.com	04/11/2023 12:47:17 PST	ACN Communication Services Inc			
3510	ACN Communication Services Inc	Ian Johnson	DL-concordsdotechservsupervisors@acninc.com	04/11/2023 12:47:20 PST	ACN Communication Services Inc			
3510	ACN Communication Services Inc	John Dunne	John.Dunne@acninc.com	04/11/2023 12:47:02 PST	ACN Communication Services Inc			
3510	ACN Communication Services Inc	Machica Davis	machica.davis@acninc.com	04/11/2023 12:46:23 PST	ACN Communication Services Inc			
3510	ACN Communication Services Inc	Wynonna Bell	wbell@acninc.com	04/11/2023 12:47:02 PST	ACN Communication Services Inc			
3510	ACN Communication Services Inc	General Contact	DL-concordsdotechservsupervisors@acninc.com	04/11/2023 12:45:59 PST	ACN Communication Services Inc			
3410	Advanced Communications Technology Inc.	Jason Hendricks	jhendricks@rtcom.net	04/11/2023 12:46:03 PST	Advanced Communications Technology Inc.			
3410	Advanced Communications Technology Inc.	Traci Ruskowsky	rusk@actaccess.net	04/11/2023 12:46:31 PST	Advanced Communications Technology Inc.			
3410	Advanced Communications Technology Inc.	Doug Cox	doug.cox@bendtel.com	04/11/2023 12:46:24 PST	Advanced Communications Technology Inc.			













3410	Advanced Communications Technology Inc.	Aaron Sopko	sopko@acthq.net	04/11/2023 12:46:57 PST	Advanced Communications Technology Inc.			
3410	Advanced Communications Technology Inc.	Rob Johnson	rob.johnson@acthq.net	04/11/2023 12:46:20 PST	Advanced Communications Technology Inc.			
3410	Advanced Communications Technology Inc.	Jason Wille	jwille@acthq.net	04/11/2023 12:46:45 PST	Advanced Communications Technology Inc.			
1263	Advanced Telcom Inc.	Kim Isaacs	Kim.Isaacs@allstream.com	04/11/2023 12:47:08 PST	Advanced TelCom Inc.			
1263	Advanced Telcom Inc.	BL Marcom	b.l.marcom@centurylink.com	04/11/2023 12:47:13 PST	Advanced TelCom Inc.			
1263	Advanced Telcom Inc.	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:46:45 PST	Advanced TelCom Inc.			
12165	Airus, Inc.	John McCluskey	jmcccluskey@airustel.com	04/11/2023 12:46:14 PST	Airus, Inc.			
12165	Airus, Inc.	Julie Oost	regulatory@airustel.com	04/11/2023 12:45:59 PST	Airus, Inc.			
12165	Airus, Inc.	Patrick Phipps	regulatory@airustel.com	04/11/2023 12:47:03 PST	Airus, Inc.			
12165	Airus, Inc.	Ovidiu Groza	ogroza@peerlessnetwork.com	04/11/2023 12:46:40 PST	Airus, Inc.			
12165	Airus, Inc.	Doug Lee	dlee@peerlessnetwork.com	04/11/2023 12:46:30 PST	Airus, Inc.			
7063	Alyricatel Inc	Kevin Sullivan	kevin.sullivan@alyrica.net	04/11/2023 12:47:19 PST	AlyricaTel Inc.			
7063	Alyricatel Inc	Michelle Sullivan	michelle.sullivan@alyricatel.net	04/11/2023 12:47:18 PST	AlyricaTel Inc.			
8453	Astound Broadband LLC	General Notices	accountspayable@wavebroadband.com	04/11/2023 12:47:23 PST	Astound Broadband LLC			
8453	Astound Broadband LLC	Kirsten Swanson	kswanson@wavebroadband.com	04/11/2023 12:47:19 PST	Astound Broadband LLC			























8453	Astound Broadband LLC	Lani Osborne	losborne@wavebroadband.com	04/11/2023 12:46:40 PST	Astound Broadband LLC			
8453	Astound Broadband LLC	Jim Penney	jpenney@wavebroadband.com	04/11/2023 12:47:17 PST	Astound Broadband LLC			
7701	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)	Matt Updenkelder	matt@coastcom.net	04/11/2023 12:47:21 PST	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)			
7701	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)	Krystal Stone	kstone@coastcom.net	04/11/2023 12:46:17 PST	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)			
7701	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)	Greg Palser	greg@coastcom.net	04/11/2023 12:46:46 PST	Astound Broadband, LLC d/b/a Wave (fka CoastCom Inc.)			
1628	AT&T Corporation	Patrick Hill	ph7581@att.com	04/11/2023 12:46:59 PST	AT&T Corporation			
1628	AT&T Corporation	BL Marcom	b.l.marcom@centurylink.com	04/11/2023 12:46:33 PST	AT&T Corporation			
1628	AT&T Corporation	Jim Archer	ja2945@att.com	04/11/2023 12:47:17 PST	AT&T Corporation			
1628	AT&T Corporation	Liz Stockdale	ls7730@att.com	04/11/2023 12:46:47 PST	AT&T Corporation			
1628	AT&T Corporation	Donna Reed	Donna.Reed@centurylink.com	04/11/2023 12:46:14 PST	AT&T Corporation			
1628	AT&T Corporation	Greg Joens	gj2845@att.com	04/11/2023 12:46:10 PST	AT&T Corporation			
1628	AT&T Corporation	Rowena Brown	rb2548@att.com	04/11/2023 12:47:20 PST	AT&T Corporation			
1628	AT&T Corporation	Ankita Mital	am154k@att.com	04/11/2023 12:47:18 PST	AT&T Corporation			
1628	AT&T Corporation	3PT Team	g16318@att.com	04/11/2023 12:46:39 PST	AT&T Corporation			
1628	AT&T Corporation	Michael Griffin	mg678r@att.com	04/11/2023 12:46:56 PST	AT&T Corporation			



























1628	AT&T Corporation	Sandra Charneski	sacharneski@att.com	04/11/2023 12:46:16 PST	AT&T Corporation			
1628	AT&T Corporation	Peter Cole	pmcole@att.com	04/11/2023 12:46:17 PST	AT&T Corporation			
1628	AT&T Corporation	Sharon Mullin	smullin@att.com	04/11/2023 12:46:31 PST	AT&T Corporation			
1628	AT&T Corporation	Jennifer Milbrod	milbrojv@att.com	04/11/2023 12:47:19 PST	AT&T Corporation			
1628	AT&T Corporation	Curtis Gardner	cg2943@att.com	04/11/2023 12:46:42 PST	AT&T Corporation			
1628	AT&T Corporation	David Collier	david.collier@att.com	04/11/2023 12:46:51 PST	AT&T Corporation			
1628	AT&T Corporation	Fredrik Cederqvist	fcederqvist@att.com	04/11/2023 12:47:22 PST	AT&T Corporation			
1628	AT&T Corporation	Mary Lynn Scott	ms9548@att.com	04/11/2023 12:46:59 PST	AT&T Corporation			
1628	AT&T Corporation	Mark Ashby	ma1606@att.com	04/11/2023 12:46:07 PST	AT&T Corporation			
1628	AT&T Corporation	Jean Davis	jd3141@att.com	04/11/2023 12:46:41 PST	AT&T Corporation			
1628	AT&T Corporation	Kim Davis	kim.davis@att.com	04/11/2023 12:47:12 PST	AT&T Corporation			
1628	AT&T Corporation	Allen Grgurev	ag1928@att.com	04/11/2023 12:46:52 PST	AT&T Corporation			
1628	AT&T Corporation	Bob Hayes	rhayes@att.com	04/11/2023 12:46:42 PST	AT&T Corporation			
1628	AT&T Corporation	Jae Spikes	jb2946@att.com	04/11/2023 12:47:08 PST	AT&T Corporation			
1628	AT&T Corporation	Kevin Fitzgerald	kf1534@att.com	04/11/2023 12:47:18 PST	AT&T Corporation			

1628	AT&T Corporation	Noriko Wilson	NW1352@ATT.COM	04/11/2023 12:47:23 PST	AT&T Corporation			
1628	AT&T Corporation	Diane Crammer	dc1715@att.com	04/11/2023 12:46:27 PST	AT&T Corporation			
1628	AT&T Corporation	Michael Walker	mw8327@att.com	04/11/2023 12:46:05 PST	AT&T Corporation			
1628	AT&T Corporation	Mark Young	my8273@att.com	04/11/2023 12:46:58 PST	AT&T Corporation			
1628	AT&T Corporation	Wireline Team	wlnpproc@att.com	04/11/2023 12:47:15 PST	AT&T Corporation			
1628	AT&T Corporation	Corbin Coombs	ccoombs@att.com	04/11/2023 12:46:24 PST	AT&T Corporation			
1628	AT&T Corporation	Joe Brozynski	Joe.Brozynski@att.com	04/11/2023 12:47:21 PST	AT&T Corporation			
1628	AT&T Corporation	Faith Chisolm	oc8236@att.com	04/11/2023 12:46:50 PST	AT&T Corporation			
1628	AT&T Corporation	Jacob Rubin	jr2373@att.com	04/11/2023 12:47:16 PST	AT&T Corporation			
1628	AT&T Corporation	Birthenne Chandler	bc1383@att.com	04/11/2023 12:47:05 PST	AT&T Corporation			
1628	AT&T Corporation	TEOCO Admin	g43831@att.com	04/11/2023 12:46:28 PST	AT&T Corporation			
1628	AT&T Corporation	Phyllis Ratliffe	pr339w@att.com	04/11/2023 12:47:04 PST	AT&T Corporation			
1628	AT&T Corporation	Dean Barnes	db5678@att.com	04/11/2023 12:46:16 PST	AT&T Corporation			
1628	AT&T Corporation	Colette Jeffries	cj2386@att.com	04/11/2023 12:46:48 PST	AT&T Corporation			
1628	AT&T Corporation	Richelle Barker	rb8434@att.com	04/11/2023 12:46:21 PST	AT&T Corporation			

1628	AT&T Corporation	Ann-Marie Viertel	av251v@att.com	04/11/2023 12:46:26 PST	AT&T Corporation			
1628	AT&T Corporation	Craig Kern	ck1524@att.com	04/11/2023 12:46:30 PST	AT&T Corporation			
1628	AT&T Corporation	Michael King	mk1753@att.com	04/11/2023 12:47:24 PST	AT&T Corporation			
3038	Axxis Communications Inc	Dan Bubb	dan@axxistel.com	04/11/2023 12:46:24 PST	Axxis Communications Inc.			
3038	Axxis Communications Inc	Dan Bubb	dan@corp.gorge.net	04/11/2023 12:46:37 PST	Axxis Communications Inc.			
3038	Axxis Communications Inc	Dan Bubb	dan@gorge.net	04/11/2023 12:46:46 PST	Axxis Communications Inc.			
3467	Bandwidth Inc. fka Bandwidth.com (fLVL) Bandwidth.com Inc.	John Nickey	Interconnection_Notifications@Bandwidth.com	04/11/2023 12:46:53 PST	Bandwidth.com Inc.			
3467	Bandwidth Inc. fka Bandwidth.com (fLVL) Bandwidth.com Inc.	Gabriela Gonzalez	ggonzalez@bandwidth.com	04/11/2023 12:46:58 PST	Bandwidth.com Inc.			
3467	Bandwidth Inc. fka Bandwidth.com (fLVL) Bandwidth.com Inc.	Lisa Jill Freeman	ljfreeman@bandwidth.com	04/11/2023 12:47:11 PST	Bandwidth.com Inc.			
3467	Bandwidth Inc. fka Bandwidth.com (fLVL) Bandwidth.com Inc.	Kade Ross	kross@bandwidth.com	04/11/2023 12:46:54 PST	Bandwidth.com Inc.			
3467	Bandwidth Inc. fka Bandwidth.com (fLVL) Bandwidth.com Inc.	Sandreal Parker	SPARKER@BANDWIDTH.COM	04/11/2023 12:46:56 PST	Bandwidth.com Inc.			
3065	BCM One, Inc. (fka McGraw Communications Inc.)	RONALD CURRY	rcurry@bcmone.com	04/11/2023 12:46:07 PST	BCM One, Inc.			
3065	BCM One, Inc. (fka McGraw Communications Inc.)	Sadia Mendez	smendez@mcgrawcom.net	04/11/2023 12:46:56 PST	BCM One, Inc.			
3065	BCM One, Inc. (fka McGraw Communications Inc.)	Balmoris Hurtado	bhurtado@mcgrawcom.net	04/11/2023 12:47:24 PST	BCM One, Inc.			
3065	BCM One, Inc. (fka McGraw Communications Inc.)	Balmoris Hurtado	BHurtado@bcmone.com	04/11/2023 12:47:10 PST	BCM One, Inc.			

3065	BCM One, Inc. (fka McGraw Communications Inc.)	Sean Dougherty	sdougherty@bcmone.com	04/11/2023 12:46:27 PST	BCM One, Inc.			
3065	BCM One, Inc. (fka McGraw Communications Inc.)	Krister-Benedict Panganiban	kpanganiban@bcmone.com	04/11/2023 12:45:58 PST	BCM One, Inc.			
2552	BCN Telecom Inc.	Julian Jacquez	jjacquez@bcntele.com	04/11/2023 12:46:23 PST	BCN Telecom Inc.			
2552	BCN Telecom Inc.	Kathleen Gorey	kgorey@bcntele.com	04/11/2023 12:46:13 PST	BCN Telecom Inc.			
2552	BCN Telecom Inc.	Anchy Trinidad	atrinidad@bcntele.com	04/11/2023 12:46:53 PST	BCN Telecom Inc.			
2552	BCN Telecom Inc.	Bobbie Wolfe	bwolfe@bcntele.com	04/11/2023 12:46:25 PST	BCN Telecom Inc.			
2552	BCN Telecom Inc.	Andrew Rosen	arosen@bcntele.com	04/11/2023 12:47:24 PST	BCN Telecom Inc.			
100	Beaver Creek Cooperative Telephone	Paul Hauer	phauer@bctelco.com	04/11/2023 12:46:52 PST	Beaver Creek Cooperative Telephone			
1792	BendTel Inc.	Jennifer Haller	jennifer.h@bendtel.com	04/11/2023 12:46:39 PST	BendTel Inc.			
1792	BendTel Inc.	Donnette Roland	donnette.r@bendtel.com	04/11/2023 12:47:13 PST	BendTel Inc.			
1792	BendTel Inc.	Tom Barrett	thomas.b@bendtel.com	04/11/2023 12:46:02 PST	BendTel Inc.			
1792	BendTel Inc.	James Neff	James.n@bendtel.com	04/11/2023 12:46:26 PST	BendTel Inc.			
1792	BendTel Inc.	Doug Cox	doug.cox@bendtel.com	04/11/2023 12:47:05 PST	BendTel Inc.			
1792	BendTel Inc.	Susan Stanton	susan.stanton@bendtel.com	04/11/2023 12:46:03 PST	BendTel Inc.			
2545	Broadview Networks Inc.	James Miller	jmiller@broadviewnet.com	04/11/2023 12:46:41 PST	Broadview Networks Inc			







2545	Broadview Networks Inc.	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:01 PST	Broadview Networks Inc			
2545	Broadview Networks Inc.	Wholesale Cost	Windstream.WholesaleCost@windstream.com	04/11/2023 12:46:33 PST	Broadview Networks Inc			
2545	Broadview Networks Inc.	Steve Bogdan	sbogdan@broadviewnet.com	04/11/2023 12:46:49 PST	Broadview Networks Inc			
5815	Broadvox-CLEC LLC Broadvox Distribution LLC	General Information Box	AccountsPayable@onvoy.com	04/11/2023 12:46:54 PST	Broadvox-CLEC LLC			
5815	Broadvox-CLEC LLC Broadvox Distribution LLC	Tracy Taylor	tracy.taylor@inteliquent.com	04/11/2023 12:47:20 PST	Broadvox-CLEC LLC			
5815	Broadvox-CLEC LLC Broadvox Distribution LLC	Kyle Bertrand	kyle.bertrand@inteliquent.com	04/11/2023 12:46:07 PST	Broadvox-CLEC LLC			
6	BTC Inc.	Kevin Skinner	kskinner@westianet.com	04/11/2023 12:47:14 PST	BTC Inc.			
2547	Bullseye Telecom Inc.	Althea Niner	aniner@bullseyetelecom.com	04/11/2023 12:47:04 PST	BullsEye Telecom Inc.			
2547	Bullseye Telecom Inc.	Tamie Whitefoot	twhitefoot@bullseyetelecom.com	04/11/2023 12:46:49 PST	BullsEye Telecom Inc.			
2547	Bullseye Telecom Inc.	General Counsel	legal@bullseyetelecom.com	04/11/2023 12:46:11 PST	BullsEye Telecom Inc.			
1779	Cal-Ore Telephone Company	Mindy Hill	mindy@cot.net	04/11/2023 12:46:45 PST	Cal-Ore Communications Inc.			
1779	Cal-Ore Telephone Company	Edward Ormsbee	edorm@cot.net	04/11/2023 12:47:22 PST	Cal-Ore Communications Inc.			
6987	Cascade Networks Inc.	Brian Magnuson	Brian@CNI.net	04/11/2023 12:46:12 PST	Cascade Networks Inc.			
6987	Cascade Networks Inc.	Alex Bradley	alex@cni.net	04/11/2023 12:46:16 PST	Cascade Networks Inc.			
6767	Cebridge Telecom NM, LLC dba Suddenlink Communications	Dennis Moffit	dennis.moffit@suddenlink.com	04/11/2023 12:47:06 PST	Cebridge Telecom NM LLC			




2398	CenturyLink - Wholesale Markets	Michele Marbach	michele.d.marbach@lumen.com	04/11/2023 12:46:32 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Lori Ross	lori.ross@lumen.com	04/11/2023 12:46:56 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Miranda Razo	miranda.a.razo@lumen.com	04/11/2023 12:46:31 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Michelle Merkel	michelle.merkel@lumen.com	04/11/2023 12:46:40 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	cynthia bickel	cynthia.bickel@centurylink.com	04/11/2023 12:46:53 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Shelly Pedersen	shelly.pedersen@centurylink.com	04/11/2023 12:46:41 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Shelly Pedersen	shelly.pedersen@lumen.com	04/11/2023 12:46:51 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Charles Anderson	Charles.G.Anderson@centurylink.com	04/11/2023 12:47:22 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Brent Bitz	brent.bitz@centurylink.com	04/11/2023 12:46:15 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	David Allen	David.Allen@centurylink.com	04/11/2023 12:46:23 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Chris Falkner	chris.falkner@centurylink.com	04/11/2023 12:46:27 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Krista Rodriguez	krista.rodriguez@centurylink.com	04/11/2023 12:46:14 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Wendi Foreman	wendi.w.foreman@lumen.com	04/11/2023 12:46:33 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Carmen Fullbright	Carmen.Fullbright@Lumen.com	04/11/2023 12:46:43 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Odilio Ortega	odilio.ortega@lumen.com	04/11/2023 12:46:00 PST	CenturyLink - Wholesale Markets			











2398	CenturyLink - Wholesale Markets	Linda Ray	Linda.Ray@lumen.com	04/11/2023 12:47:04 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Jeff Cote	Jeff.Cote@lumen.com	04/11/2023 12:47:03 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Sandy Kerr	sandra.kerr@centurylink.com	04/11/2023 12:46:04 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Letty Walker	letty.hoagland@centurylink.com	04/11/2023 12:46:25 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Christine Shrout	christine.shrout@centurylink.com	04/11/2023 12:46:36 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Priscilla Shadden	priscilla.shadden@centurylink.com	04/11/2023 12:46:01 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Richard Nelson	Richard.E.Nelson@CenturyLink.com	04/11/2023 12:46:20 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	V Estorga	valerie.estorga@centurylink.com	04/11/2023 12:47:12 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Kathy Miyake	kathy.miyake@centurylink.com	04/11/2023 12:46:55 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	David Oehler	david.oehler@centurylink.com	04/11/2023 12:46:23 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	C Shrout	christine.shrout@centurylink.com	04/11/2023 12:46:49 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Kim Reed	Kim.Reed@CenturyLink.com	04/11/2023 12:46:47 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Lorna Grein	lorna.grein@centurylink.com	04/11/2023 12:46:04 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Priscilla Shadden	priscilla.shadden@centurylink.com	04/11/2023 12:46:55 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	General Contact	dhazelg4@centurylink.com	04/11/2023 12:46:47 PST	CenturyLink - Wholesale Markets			





2398	CenturyLink - Wholesale Markets	Bryan Fulton	bryanfulton@outlook.com	04/11/2023 12:46:00 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	IBM Wholesaes	IBM-WHOLESALE@centurylink.com	04/11/2023 12:46:09 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Jen Brister	jennifer.brister@centurylink.com	04/11/2023 12:46:43 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Angela Bonar	angela.k.bonar@centurylink.com	04/11/2023 12:46:02 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Robert Daino	robert.daino@centurylink.com	04/11/2023 12:46:51 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Andrea Lile	andrea.lile2@centurylink.com	04/11/2023 12:47:23 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Elizabeth Jose	elizabeth.a.jose@centurylink.com	04/11/2023 12:46:30 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Brett Bode	Brett.Bode@CenturyLink.com	04/11/2023 12:46:44 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Nelson Fernandez	nelson.fernandez@centurylink.com	04/11/2023 12:46:19 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Rhonda Feltz	Rhonda.B.Feltz@CenturyLink.com	04/11/2023 12:46:06 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Kellie Halabrin	kellie.halabrin@centurylink.com	04/11/2023 12:46:13 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Carlton Schneider	carlton.schneider@centurylink.com	04/11/2023 12:47:15 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Desiree Dortok	ddortok@ndacorp.com	04/11/2023 12:47:23 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Steve Dea	steve.dea@lumen.com	04/11/2023 12:46:31 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Alison Stickel	alison.stickel@lumen.com	04/11/2023 12:46:23 PST	CenturyLink - Wholesale Markets			







2398	CenturyLink - Wholesale Markets	Linda Mackay	Lynda.A.Mackay@lumen.com	04/11/2023 12:47:13 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Susan Lorence	susan.lorence@centurylink.com	04/11/2023 12:47:17 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Marni Fetters	mxbutl3@centurylink.com	04/11/2023 12:46:18 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Danelle Haynes	sdhayne@centurylink.com	04/11/2023 12:45:58 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Catherine Garcia	crgarci@centurylink.com	04/11/2023 12:46:38 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Steve Overberg	steven.overberg@centurylink.com	04/11/2023 12:46:28 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Chris Quinn-Struck	chris.quinn-struck@centurylink.com	04/11/2023 12:46:34 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Budd Taylor	budd.taylor@centurylink.com	04/11/2023 12:46:48 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Jd Simpson	Jerry.Simpson2@centurylink.com	04/11/2023 12:46:15 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Linda Barker	linda.barker@centurylink.com	04/11/2023 12:46:36 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Linda Ray	linda.ray@centurylink.com	04/11/2023 12:47:19 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Robyn White	robyn.white2@centurylink.com	04/11/2023 12:47:20 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Shonna Reddick	shonna.reddick@centurylink.com	04/11/2023 12:47:04 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Kathy Miller	kathy.miller@centurylink.com	04/11/2023 12:46:23 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Deb Andersson	deb.andersson@centurylink.com	04/11/2023 12:46:25 PST	CenturyLink - Wholesale Markets			

2398	CenturyLink - Wholesale Markets	Lisa Domenech	lisa.domenech@centurylink.com	04/11/2023 12:46:05 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Mark Coyne	Mark.Coyne@CenturyLink.com	04/11/2023 12:46:13 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Theresa Nash	Theresa.Nash@centurylink.com	04/11/2023 12:46:16 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Susan Williams	susan.williams2@centurylink.com	04/11/2023 12:47:13 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Lorna Grein	lorna.grein@centurylink.com	04/11/2023 12:47:07 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Grant Molsberry	Grant.Molsberry@centurylink.com	04/11/2023 12:46:22 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Client Services Interconnect	clientsv@centurylink.com	04/11/2023 12:46:46 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Alan Bills	alan.bills@centurylink.com	04/11/2023 12:46:44 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Reed Peterson	Reed.Peterson@centurylink.com	04/11/2023 12:46:44 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Kathy Miyake	kathy.miyake@centurylink.com	04/11/2023 12:47:08 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	Lucy Higley	lucy.higley@centurylink.com	04/11/2023 12:46:22 PST	CenturyLink - Wholesale Markets			
2398	CenturyLink - Wholesale Markets	David Oehler	david.oehler@centurylink.com	04/11/2023 12:47:05 PST	CenturyLink - Wholesale Markets			
1272	CenturyLink Communications LLC (fka Qwest Communications Corporation; fka OnFiber Carrier Services, Inc.)	Carol Schneider	CUSTFUSF@CenturyLink.com	04/11/2023 12:46:21 PST	Onfiber Carrier Services Inc (CenturyLink Communications LLC, WA state only)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation)	Lucy Higley	Lucy.Higley@CenturyLink.com	04/11/2023 12:46:19 PST	CenturyLink Communications LLC (OCC)			

	CenturyLink Communications LLC (QCC)							
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Susan Karels	susan.karels@centurylink.com	04/11/2023 12:47:13 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Lori J Adornetto	Lori.Adornetto@CenturyLink.com	04/11/2023 12:46:51 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Ruchita Goble	Ruchita.Goble@CenturyLink.com	04/11/2023 12:47:09 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	James (Andy) A Milliken	Andrew.Milliken@CenturyLink.com	04/11/2023 12:46:47 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Dusti M Bastian	Dusti.Bastian@CenturyLink.com	04/11/2023 12:47:06 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Christopher Cress	Christopher.Cress@centurylink.com	04/11/2023 12:46:38 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	Kara Mayberry	Kara.Mayberry@CenturyLink.com	04/11/2023 12:46:09 PST	CenturyLink Communications LLC (QCC)			
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation)	Libby Purnell	Elizabeth.Purnell@centurylink.com	04/11/2023 12:47:07 PST	CenturyLink Communications LLC (QCC)			










							CenturyLink Communications LLC (QCC)
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Angie Gibson	angela.gibson@CenturyLink.com	04/11/2023 12:47:18 PST	CenturyLink Communications LLC (QCC)	 	
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Scott Koons	scott.koons@centurylink.com	04/11/2023 12:46:19 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink Communications, LLC (fka CenturyLink Corporation)	Elizabeth Jose	elizabeth.a.jose@centurylink.com	04/11/2023 12:47:20 PST	CenturyLink Communications LLC (QCC)	 	
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Chad Gittings	michael.gittings@centurylink.com	04/11/2023 12:46:04 PST	CenturyLink Communications LLC (QCC)	 	
5930	CenturyLink Communications, LLC (fka CenturyLink Corporation)	Vivek Bhavanasri	vivek.bhavanasri@centurylink.com	04/11/2023 12:46:21 PST	CenturyLink Communications LLC (QCC)	 	
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Lori Martin	lori.martin@centurylink.com	04/11/2023 12:46:27 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Maria Masi	maria.masi@centurylink.com	04/11/2023 12:46:34 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Bobbi Pollard	Bobbi.Pollard@centurylink.com	04/11/2023 12:46:10 PST	CenturyLink Communications LLC (QCC)	 	







							CenturyLink Communications LLC (QCC)
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Mike Brickner	mike.brickner@centurylink.com	04/11/2023 12:46:44 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Deloy Ussery	deloy.j.ussery@centurylink.com	04/11/2023 12:47:05 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Syrus Mirzaei	syrus.mirzaei@centurylink.com	04/11/2023 12:46:34 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Meg Spencer	meg.i.spencer@centurylink.com	04/11/2023 12:47:08 PST	CenturyLink Communications LLC (QCC)	 	
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Debbie Wingate	debbie.wingate@centurylink.com	04/11/2023 12:46:00 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Melissa Eviszior	melissa.eviszior@centurylink.com	04/11/2023 12:46:57 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Sarah Nicholls	sarah.nicholls@centurylink.com	04/11/2023 12:47:09 PST	CenturyLink Communications LLC (QCC)		
5930	CenturyLink West Communications LLC (fka CenturyLink Corporation)	Chad Haines	Chad.Haines@CenturyLink.com	04/11/2023 12:45:57 PST	CenturyLink Communications LLC (QCC)	 	

	CenturyLink Communications LLC (QCC)							
5930	CenturyLink Communications, LLC (fka Qwest Communications Corporation) CenturyLink Communications LLC (QCC)	911 Contact	cs-centurylink-911@centurylink.com	04/11/2023 12:46:54 PST	CenturyLink Communications LLC (QCC)			
5905	CenturyTel Fiber Company II LLC	James B. Cooper	James.B.Cooper@centurylink.com	04/11/2023 12:47:11 PST	CenturyLink Communications LLC			
5905	CenturyTel Fiber Company II LLC	Sharon O'connor	sharon.oconnor@centurylink.com	04/11/2023 12:47:12 PST	CenturyLink Communications LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Ken Billhartz	ken.billhartz@charter.com	04/11/2023 12:46:28 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Curt Black	Curt.Black@charter.com	04/11/2023 12:47:06 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	John Cummings	john.cummings@charter.com	04/11/2023 12:46:19 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC	DL NOC	dlnoc@charter.com	04/11/2023 12:46:24 PST	Charter Fiberlink LLC			

	Charter Fiberlink Washington -CCVII LLC							
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Michael Baer	michael.baer@charter.com	04/11/2023 12:46:27 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Legal Operations	hbrown01@chartercom.com	04/11/2023 12:46:17 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	K.C. Halm	kchalm@dwt.com	04/11/2023 12:46:08 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Nancy Buelmann	nancy.buelmann@charter.com	04/11/2023 12:47:22 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Donna Ellis	donna.ellis@charter.com	04/11/2023 12:47:14 PST	Charter Fiberlink LLC			







1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Sean Gallagher	sean.gallagher@chartercom.com	04/11/2023 12:47:04 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Betty Sanders	betty.sanders@charter.com	04/11/2023 12:46:55 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Kathy Troughton	kathy.troughton@charter.com	04/11/2023 12:46:06 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Dennis Molner	Dennis.Molner@charter.com	04/11/2023 12:46:09 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Judy Adams	Judy.Adams@charter.com	04/11/2023 12:46:50 PST	Charter Fiberlink LLC			
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC	Sandy Tuholske	Sandy.Tuholske@charter.com	04/11/2023 12:46:18 PST	Charter Fiberlink LLC			





	Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC							
1665	Charter Fiberlink - Nebraska LLC Charter Communications Holding Company LLC Charter Fiberlink CCO LLC Charter Fiberlink Oregon - CCVII LLC Charter Fiberlink Washington -CCVII LLC	Kathy Gierer	kathleen.gierer@charter.com	04/11/2023 12:46:46 PST	Charter Fiberlink LLC			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Jeffery Ortwine	jortwine@clearrate.com	04/11/2023 12:46:06 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Brandon Shamoun	bshamoun@clearrate.com	04/11/2023 12:47:16 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Michael Bishop	mbishop@clearrate.com	04/11/2023 12:46:11 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Erin Knight	eknight@clearrate.com	04/11/2023 12:46:17 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Paul Timmins	ptimmins@clearrate.com	04/11/2023 12:47:14 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Sam Namy	snamy@clearrate.com	04/11/2023 12:46:26 PST	Clear Rate Communications, Inc.			
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Thane Namy	tnamy@clearrate.com	04/11/2023 12:47:14 PST	Clear Rate Communications, Inc.			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC	Andrea Smith	Comcast_CarrierRelations@comcast.com	04/11/2023 12:46:18 PST	Comcast Business Communications, LLC			







	Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC							
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Comcast Carrier Management	Comcast_CarrierManagement@cable.comcast.com	04/11/2023 12:46:25 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Carrier Relations II	pps-s2a-tpg-all@comcast.com	04/11/2023 12:46:45 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of	Suzanne Subtelny	suzanne.subtelny@lumen.com	04/11/2023 12:47:19 PST	Comcast Business Communications, LLC			

	Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC							
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Comcast Maintenance	Comcast_Maintenance@cable.comcast.com	04/11/2023 12:46:10 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Comcast Carrier Relations	Comcast_CarrierRelations@Comcast.com	04/11/2023 12:47:11 PST	Comcast Business Communications, LLC			







2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Kasha Fauscett	kasha_fauscett@cable.comcast.com	04/11/2023 12:47:23 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Linda Borchem	Linda_Birchem@cable.comcast.com	04/11/2023 12:47:16 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC	Edward Mahoney	edward_mahoney@cable.comcast.com	04/11/2023 12:46:20 PST	Comcast Business Communications, LLC			














	Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC							
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Carl Vollrath	carl_vollrath@cable.comcast.com	04/11/2023 12:47:10 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Beth O Donnell	Beth_odonnell@comcast.com	04/11/2023 12:46:26 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of	Richard Chapkis	richard_chapkis@comcast.com	04/11/2023 12:46:29 PST	Comcast Business Communications, LLC			

	Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC							
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Brian Roberts	Brian_Roberts@Comcast.com	04/11/2023 12:47:11 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Dave Watson	Dave_Watson@cable.comcast.com	04/11/2023 12:46:39 PST	Comcast Business Communications, LLC			
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado	Tim Kagele	tim_kagele@cable.comcast.com	04/11/2023 12:46:46 PST	Comcast Business Communications, LLC			









	LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC							
12442	CommandLink LLC	Provisioning Team	provisioning@commandlink.com	04/11/2023 12:46:37 PST	CommandLink LLC			
12442	CommandLink LLC	Billing Team	billing@commandlink.com	04/11/2023 12:46:21 PST	CommandLink LLC			
903	ComSpan Communications Inc.	Accounts Payable	ap@natlightnet.com	04/11/2023 12:46:24 PST	ComSpan Communications Inc.			
903	ComSpan Communications Inc.	John Disrude	john.disrude@natlightnet.com	04/11/2023 12:46:58 PST	ComSpan Communications Inc.			
903	ComSpan Communications Inc.	Nancy Murdock	nancy.murdock@ntlightnet.com	04/11/2023 12:47:13 PST	ComSpan Communications Inc.			
7376	Content Services Inc	Lu Bolden	lbolden@csidigital.net	04/11/2023 12:46:45 PST	Content Services Inc			
5317	Convergia Inc.	Jose Jouvin	Jose.Jouvin@convergia.net	04/11/2023 12:46:56 PST	Convergia Inc			
2048	Covista Inc.	Mark Kukta	mark.kukta@birch.com	04/11/2023 12:47:10 PST	Covista Inc. DBA BIRCH COMMUNICATIONS, INC.			
6956	Crown Castle NG West Inc.	Brett Ferenchak	brett.ferenchak@bingham.com	04/11/2023 12:47:11 PST	Crown Castle NG West Inc.			
2617	DataVision Communications	JoAnn Norton	jnorton@datavision.coop	04/11/2023 12:46:22 PST	DataVision Communications			
11659	Dept. of Commerce	Greg Doyle	greg.doyle@state.mn.us	04/11/2023 12:47:23 PST	Dept. of Commerce			




12091	DirectLink of Oregon, Inc.	Paul Hauer	phauer@bctelco.com	04/11/2023 12:46:05 PST	DirectLink of Oregon Inc.			
5528	dishNET Wireline, LLC	Brian McIntyre	brian.mcintyre@dish.com	04/11/2023 12:46:58 PST	dishNET Wireline LLC			
5528	dishNET Wireline, LLC	Douglas Weber	douglas.weber@dish.com	04/11/2023 12:46:54 PST	dishNET Wireline LLC			
5528	dishNET Wireline, LLC	Chris Holcomb	christopher.holcomb@dish.com	04/11/2023 12:47:03 PST	dishNET Wireline LLC			
5528	dishNET Wireline, LLC	Shawn Stickle	shawn.stickle@dish.com	04/11/2023 12:47:22 PST	dishNET Wireline LLC			
2567	Douglas Services Inc.	Dave Sabala	dsabala@douglaelectric.com	04/11/2023 12:47:19 PST	Douglas Services Inc.			
2567	Douglas Services Inc.	Joshua Santos	jsantos@dfn.net	04/11/2023 12:46:50 PST	Douglas Services Inc.			
2567	Douglas Services Inc.	Michelle Hunt	michelle.hunt@dfn.net	04/11/2023 12:46:15 PST	Douglas Services Inc.			
2567	Douglas Services Inc.	Todd Way	tway@dfn.net	04/11/2023 12:46:12 PST	Douglas Services Inc.			
2567	Douglas Services Inc.	Valerie Starr	vstarr@lsnetworks.net	04/11/2023 12:47:23 PST	Douglas Services Inc.			
562	Earthlink Business, LLC.	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:25 PST	Earthlink Business LLC.			
562	Earthlink Business, LLC.	Lynn Denton	WCI.ENTSM.Industry.Notices@windstream.com	04/11/2023 12:46:09 PST	Earthlink Business LLC.			
12456	EarthLink, LLC	Daniel Carroll	daniel.carroll@elink.com	04/11/2023 12:47:20 PST	EarthLink, LLC			
12456	EarthLink, LLC	Kris Jacobs	kris.jacobs@elink.com	04/11/2023 12:47:15 PST	EarthLink, LLC			
12456	EarthLink, LLC	Martha Jenkins	Martha.Jenkins@elink.com	04/11/2023 12:46:21 PST	EarthLink, LLC			



12456	EarthLink, LLC	Vanessa Barron	vanessa.barron@elink.com	04/11/2023 12:47:16 PST	EarthLink, LLC			
12456	EarthLink, LLC	Deep Matharu	deep.matharu@elink.com	04/11/2023 12:47:05 PST	EarthLink, LLC			
1602	Eastern Oregon Telecom L.L.C.	Michael Weidman	mweidman@lsnetworks.net	04/11/2023 12:46:57 PST	Eastern Oregon Telecom LLC			
1602	Eastern Oregon Telecom L.L.C.	Fiance Contact	finance@eotnet.us	04/11/2023 12:46:20 PST	Eastern Oregon Telecom LLC			
1602	Eastern Oregon Telecom L.L.C.	Joe Franel	jfranel@eotnet.com	04/11/2023 12:46:45 PST	Eastern Oregon Telecom LLC			
1602	Eastern Oregon Telecom L.L.C.	Brian Franke	bfranke@eotnet.com	04/11/2023 12:46:23 PST	Eastern Oregon Telecom LLC			
1602	Eastern Oregon Telecom L.L.C.	Paul Keeler	pkeeler@eotnet.com	04/11/2023 12:46:53 PST	Eastern Oregon Telecom LLC			
1602	Eastern Oregon Telecom L.L.C.	Jay Rundle	jrundle@bluemountainnet.com	04/11/2023 12:46:02 PST	Eastern Oregon Telecom LLC			
11792	Ednetics, Inc	Lisa Tucker	lisa.tucker@ednetics.com	04/11/2023 12:47:12 PST	Ednetics Inc.			
11792	Ednetics, Inc	Will Stowe	will@ednetics.com	04/11/2023 12:47:18 PST	Ednetics Inc.			
11792	Ednetics, Inc	Shawn Swanby	shawn@ednetics.com	04/11/2023 12:47:12 PST	Ednetics Inc.			
11792	Ednetics, Inc	Susan Lamb	susan.lamb@ednetics.com	04/11/2023 12:46:21 PST	Ednetics Inc.			
11792	Ednetics, Inc	Jeff Jantz	jeff.jantz@ednetics.com	04/11/2023 12:47:20 PST	Ednetics Inc.			
118	Electric Lightwave LLC	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:47:03 PST	Electric Lightwave LLC			
118	Electric Lightwave LLC	Kim Isaacs	kim.isaacs@zayo.com	04/11/2023 12:46:07 PST	Electric Lightwave LLC			














118	Electric Lightwave LLC	Kim Isaacs	Kim.Isaacs@Allstream.com	04/11/2023 12:46:49 PST	Electric Lightwave LLC			
118	Electric Lightwave LLC	BL Marcom	b.l.marcom@centurylink.com	04/11/2023 12:46:31 PST	Electric Lightwave LLC			
118	Electric Lightwave LLC	Access Management	vendorchangenotice@allstream.com	04/11/2023 12:46:24 PST	Electric Lightwave LLC			
6999	Eltopia Communications LLC	Aaron Seelye	aseelye@eltopia.com	04/11/2023 12:47:21 PST	Eltopia Communications LLC			
6999	Eltopia Communications LLC	Will Machugh	wmachugh@eltopia.com	04/11/2023 12:46:32 PST	Eltopia Communications LLC			
6999	Eltopia Communications LLC	Genevieve Buckmiller	gbuckmiller@eltopia.com	04/11/2023 12:46:13 PST	Eltopia Communications LLC			
8456	Entelegent Solutions Inc.	Michael Ruziska	accounting@entelegent.com	04/11/2023 12:46:11 PST	Entelegent Solutions Inc			
8456	Entelegent Solutions Inc.	Scott Rushing	scott.rushing@entelegent.com	04/11/2023 12:46:40 PST	Entelegent Solutions Inc			
10266	Ericsson Services Inc.	Pamela Leach	pamela.leach@ericsson.com	04/11/2023 12:46:14 PST	Ericsson Services Inc.			
9	Eschelon Telecom of Colorado Inc. Eschelon Telecom of Arizona Inc. Eschelon Telecom of Minnesota Inc. Eschelon Telecom of Utah Inc. Eschelon Telecom of Washington Inc. Eschelon Telecom of Oregon Inc.	Doug Denney	doug.denney@allstream.com	04/11/2023 12:46:35 PST	Eschelon Telecom Inc.			
9	Eschelon Telecom of Colorado Inc. Eschelon Telecom of Arizona Inc. Eschelon Telecom of Minnesota Inc.	Kim Isaacs	Kim.Isaacs@Allstream.com	04/11/2023 12:46:36 PST	Eschelon Telecom Inc.			

	Eschelon Telecom of Utah Inc. Eschelon Telecom of Washington Inc. Eschelon Telecom of Oregon Inc.							
1659	Farmers Mutual Telephone Company OR Farmers Mutual Telephone Company Farmers Mutual Telecom Inc ID	Krista Byrd	krista@fmtc.com	04/11/2023 12:47:19 PST	Farmers Mutual ID-OR			
1659	Farmers Mutual Telephone Company OR Farmers Mutual Telephone Company Farmers Mutual Telecom Inc ID	Rick Howard	rickhoward@fmtc.com	04/11/2023 12:46:34 PST	Farmers Mutual ID-OR			
1659	Farmers Mutual Telephone Company OR Farmers Mutual Telephone Company Farmers Mutual Telecom Inc ID	Glenora Wright	lcw@fmtc.com	04/11/2023 12:46:38 PST	Farmers Mutual ID-OR			
1659	Farmers Mutual Telephone Company OR Farmers Mutual Telephone Company Farmers Mutual Telecom Inc ID	Dennis Ujiye	dujiye@fmtc.com	04/11/2023 12:46:13 PST	Farmers Mutual ID-OR			
2104	First Communications LLC	All Notices	NMC@firstcomm.com	04/11/2023 12:46:27 PST	First Communications - First Energy			
2104	First Communications LLC	Legal Notices	legal@firstcomm.com	04/11/2023 12:46:14 PST	First Communications - First Energy			
2104	First Communications LLC	Tonia Cain	tcain@firstcomm.com	04/11/2023 12:46:43 PST	First Communications - First Energy			
12471	Flex Networks LLC	Chris Monroe	chrism@flexnetech.com	04/11/2023 12:47:12 PST	Flex Networks LLC			
12471	Flex Networks LLC	Amanda Monroe	chrism@flexnetech.com	04/11/2023 12:46:27 PST	Flex Networks LLC			











7629	Frontier Communications of America Inc.	Concetta Sager	concetta.sager@ftr.com	04/11/2023 12:47:07 PST	Frontier Communications of America Inc.			
12540	FTX Networks LLC	Kameron Blomquist	kameron@viser.com	04/11/2023 12:46:34 PST	FTX Networks LLC			
12296	Fusion Cloud Company LLC	Donovan Packard	Donovan.packard@megapath.com	04/11/2023 12:46:02 PST	Fusion Cloud Company LLC			
12296	Fusion Cloud Company LLC	Gaurang Sunkersett	gaurang.sunkersett@megapath.com	04/11/2023 12:46:20 PST	Fusion Cloud Company LLC			
12128	FUTARIS INC	Helen Nienkark	HNienkark@calistacorp.com	04/11/2023 12:46:51 PST	FUTARIS INC			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Nikkol Ward	nikkol.ward@globalcapacity.com	04/11/2023 12:47:10 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Peter Reynolds	Peter.Reynolds@gtt.net	04/11/2023 12:46:00 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Lynn Rubino	Lynn.Rubino@gtt.net	04/11/2023 12:47:06 PST	GC Pivotal, LLC dba Global Capacity			

109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Accounts Payable	AccountsPayableTeam@gtt.net	04/11/2023 12:46:05 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Matthew Denny	matthew.denny@globalcapacity.com	04/11/2023 12:46:12 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Aruna Chaudhary	aruna.chaudhary@globalcapacity.com	04/11/2023 12:46:36 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Sandra Caron	sandra.caron@globalcapacity.com	04/11/2023 12:47:11 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)]	Jerry Jenkins	jerry.jenkins@globalcapacity.com	04/11/2023 12:46:46 PST	GC Pivotal, LLC dba Global Capacity			

	Company)) GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.							
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	John Sedillo	john.sedillo@globalcapacity.com	04/11/2023 12:46:16 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Troy Langlet	troy.langlett@globalcapacity.com	04/11/2023 12:47:22 PST	GC Pivotal, LLC dba Global Capacity			
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Connie Ivarson	connie.ivarson@globalcapacity.com	04/11/2023 12:46:15 PST	GC Pivotal, LLC dba Global Capacity			
6333	Global Connection Inc. of America	Robbie Bottoms	RBottoms@gcioa.com	04/11/2023 12:46:33 PST	Global Connection Inc. of America			
6333	Global Connection Inc. of America	Mark Ellis	mellis@globalconnectioninc.com	04/11/2023 12:47:06 PST	Global Connection Inc. of America			
6333	Global Connection Inc. of America	Michael Khoury	Khoury@gcioa.com	04/11/2023 12:46:21 PST	Global Connection Inc. of America			

1343	Global Crossing Local Services Inc. Global Crossing Telemanagement Inc. Global Crossing Telecommunications Inc	911 Planning	DL-911Planning@Level3.com	04/11/2023 12:46:04 PST	Global Crossing Telecommunications Inc			
4620	Global Grid Telecom Inc.	Harry III	harry.hart@globalgridtelecom.com	04/11/2023 12:46:38 PST	Global Grid Telecom Inc			
1795	Grande Communications Networks Inc	Ola Young	ola.young@mygrande.com	04/11/2023 12:47:11 PST	Grande Communications Networks Inc			
1795	Grande Communications Networks Inc	Joseph Kahl	joseph.kahl@rcn.net	04/11/2023 12:46:11 PST	Grande Communications Networks Inc			
1795	Grande Communications Networks Inc	Bryan Bryan	Bryan.Fuentes@mygrande.com	04/11/2023 12:46:57 PST	Grande Communications Networks Inc			
1795	Grande Communications Networks Inc	NOC Notifications	noc@mygrande.com	04/11/2023 12:46:29 PST	Grande Communications Networks Inc			
1795	Grande Communications Networks Inc	Tamra Dubose	tamra.dubose@mygrande.com	04/11/2023 12:47:21 PST	Grande Communications Networks Inc			
1795	Grande Communications Networks Inc	Change Management	changemanagement@mygrande.com	04/11/2023 12:46:42 PST	Grande Communications Networks Inc			
5536	Granite Telecommunications LLC	Mike Mirochnick	MMirochnick@granitenet.com	04/11/2023 12:46:10 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Adam DeFeo	adefeo@granitenet.com	04/11/2023 12:46:53 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Jennifer DAmbrosio	jdambrosio@granitenet.com	04/11/2023 12:47:14 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Kim Tosi	ktosi@granitenet.com	04/11/2023 12:46:53 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Regina Williams	rwilliams@granitenet.com	04/11/2023 12:46:45 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	susan jacques	SJacques@granitenet.com	04/11/2023 12:47:06 PST	Granite Telecommunications LLC			

5536	Granite Telecommunications LLC	Yun Zheng	notifications@granitenet.com	04/11/2023 12:46:42 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Eddie Pimentel	epimentel@granitenet.com	04/11/2023 12:47:05 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Courtney Miller	QWnotification@granitenet.com	04/11/2023 12:46:03 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Cheryl Bowman	cbowman@granitenet.com	04/11/2023 12:46:15 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Gerry Edwards	gedwards@granitenet.com	04/11/2023 12:46:38 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Gerry Edwards	rockrelations@granitenet.com	04/11/2023 12:46:05 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Nicole Leary	nleary@granitenet.com	04/11/2023 12:45:57 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Alexandra Yetman	ayetman@granitenet.com	04/11/2023 12:46:58 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Nicholas Gauthier	ngauthier@granitenet.com	04/11/2023 12:46:52 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Jasmine Nugent	JNugent@granitenet.com	04/11/2023 12:46:14 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Michelle Riordan	MRiordan@granitenet.com	04/11/2023 12:46:49 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Brian O'Connor	boconnor@granitenet.com	04/11/2023 12:46:37 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Joseph Murphy	JMurphy2@granitenet.com	04/11/2023 12:47:16 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Geoff Cookman	gcookman@granitenet.com	04/11/2023 12:47:13 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Jon Kronewitter	jkronewitter@granitenet.com	04/11/2023 12:47:15 PST	Granite Telecommunications LLC			

5536	Granite Telecommunications LLC	Juozas Kazlauskas	JKazlauskas@granitenet.com	04/11/2023 12:47:24 PST	Granite Telecommunications LLC			
5536	Granite Telecommunications LLC	Evan Davis	edavis@granitenet.com	04/11/2023 12:46:52 PST	Granite Telecommunications LLC			
7675	Greenfly Networks Inc.	Tim Dodge	tim.dodge@clearfly.net	04/11/2023 12:46:11 PST	Greenfly Networks Inc.			
5436	Hunter Construction Inc.	Chris Cahill	chris@coreds.net	04/11/2023 12:46:32 PST	Hunter Communications & Technologies LLC			
5436	Hunter Construction Inc.	Joe Whitt	jwhitt@hunterfiber.com	04/11/2023 12:47:16 PST	Hunter Communications & Technologies LLC			
5436	Hunter Construction Inc.	Scott Warren	swarren@hunterfiber.com	04/11/2023 12:47:08 PST	Hunter Communications & Technologies LLC			
5436	Hunter Construction Inc.	Greg Stone	gstone@hunterfiber.com	04/11/2023 12:46:52 PST	Hunter Communications & Technologies LLC			
1788	Illuminet	Michele Whritenour	mwhritenour@tnsi.com	04/11/2023 12:46:28 PST	Illuminet			
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	Nick Jennings	Nick.jennings@allstream.com	04/11/2023 12:46:56 PST	Integra Telecom Inc.			

131	<p>Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.</p>	Kim Isaacs	Kim.Isaacs@allstream.com	04/11/2023 12:46:18 PST	Integra Telecom Inc.			
131	<p>Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.</p>	Terrance Causey	terry.causey@allstream.com	04/11/2023 12:46:50 PST	Integra Telecom Inc.			
131	<p>Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado</p>	Mitch Nodland	mitch.nodland@allstream.com	04/11/2023 12:46:32 PST	Integra Telecom Inc.			

	<p>Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.</p>							
131	<p>Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.</p>	Doug Denney	Doug.Denney@allstream.com	04/11/2023 12:46:06 PST	Integra Telecom Inc.			
131	<p>Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc</p>	Randy Markwell	randy.markwell@allstream.com	04/11/2023 12:46:02 PST	Integra Telecom Inc.			




















	Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.							
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	MSAG Request Form	MSAGRequestForm@allstream.com	04/11/2023 12:46:55 PST	Integra Telecom Inc.			
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc.	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:47:15 PST	Integra Telecom Inc.			



















	Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.							
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	IT Billing All	itbillingall@allstream.com	04/11/2023 12:46:47 PST	Integra Telecom Inc.			
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North	LIDB Admins	LIDBAdmins@allstream.com	04/11/2023 12:46:52 PST	Integra Telecom Inc.			

























	Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.							
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	Nancy Taylor	nancy.taylor@allstream.com	04/11/2023 12:46:15 PST	Integra Telecom Inc.			
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc.	BL Marcom	b.l.marcom@centurylink.com	04/11/2023 12:46:41 PST	Integra Telecom Inc.			













	Inc. Integra Telecom of Minnesota Inc.							
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	E911 Admins	E911Admins@allstream.com	04/11/2023 12:46:38 PST	Integra Telecom Inc.			
131	Integra Telecom of Utah Inc Integra Telecom of Washington Inc Integra Telecom of Colorado Inc Integra Telecom of New Mexico Inc Integra Telecom of South Dakota Inc Integra Telecom of Oregon Inc Integra Telecom of Idaho Inc. Integra Telecom of Nebraska Inc. Integra Telecom of North Dakota Inc. Integra Telecom of Iowa Inc. Integra Telecom of Arizona Inc. Integra Telecom of Minnesota Inc.	911 Contact	e911admins@integratelecom.com	04/11/2023 12:47:19 PST	Integra Telecom Inc.			









12203	Integrated Path Communications, LLC	Brian Shepard 2	bshepard@ipc-llc.com	04/11/2023 12:46:51 PST	Integrated Path Communications, LLC			
12203	Integrated Path Communications, LLC	Brian Shepard	bshepard@ipc-llc.com	04/11/2023 12:46:54 PST	Integrated Path Communications, LLC			
12203	Integrated Path Communications, LLC	Hal Barr	halbarr@gmail.com	04/11/2023 12:47:21 PST	Integrated Path Communications, LLC			
1033	InTTec Inc.	Jeremy Malli	jeremy@vcn.com	04/11/2023 12:47:24 PST	InTTec Inc.			
1033	InTTec Inc.	H Wayne Worthen	hwayne@vcn.com	04/11/2023 12:46:18 PST	InTTec Inc.			
1033	InTTec Inc.	Brian Wagner	bwagner@mammothnetworks.com	04/11/2023 12:46:37 PST	InTTec Inc.			
1033	InTTec Inc.	Brian Worthen	brian.worthen@inttec.biz	04/11/2023 12:46:26 PST	InTTec Inc.			
1033	InTTec Inc.	Les Carbary	lcarbary@mammothnetworks.com	04/11/2023 12:46:29 PST	InTTec Inc.			
1033	InTTec Inc.	Leah Corcoran	lcorcoran@mammothnetworks.com	04/11/2023 12:45:57 PST	InTTec Inc.			
1211	Ionex Communications North Inc.	Vendor Relations	vendorrelations@birch.com	04/11/2023 12:47:11 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Carrier Relations	carrierrelations@fusionconnect.com	04/11/2023 12:46:44 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Vincent Oddo	vincent.oddo@birch.com	04/11/2023 12:46:32 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	steve brown	customercare@birch.com	04/11/2023 12:46:31 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Systems Administrators	sysadmins@birch.com	04/11/2023 12:46:36 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Nancy Baglieri	Nancy.Baglieri@fusionconnect.com	04/11/2023 12:46:40 PST	Ionex Communications North Inc. dba Birch Communications			









1211	Ionex Communications North Inc.	Chad RABANUS	chad.rabanus@birch.com	04/11/2023 12:46:18 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Michele Murphy	Michele.Murphy@fusionconnect.com	04/11/2023 12:47:07 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Pamela Hintz	pamela.hintz@fusionconnect.com	04/11/2023 12:46:12 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	Irma Dulay	IDulay@primustel.ca	04/11/2023 12:47:11 PST	Ionex Communications North Inc. dba Birch Communications			
1211	Ionex Communications North Inc.	James Prenetta	JPrenetta@fusionconnect.com	04/11/2023 12:46:15 PST	Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Carrier Relations	carrierrelations@fusionconnect.com	04/11/2023 12:47:02 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	James Prenetta	JPrenetta@fusionconnect.com	04/11/2023 12:47:15 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Nancy Baglieri	Nancy.Baglieri@fusionconnect.com	04/11/2023 12:46:13 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Irma Dulay	IDulay@primustel.ca	04/11/2023 12:47:07 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Pamela Hintz	pamela.hintz@fusionconnect.com	04/11/2023 12:47:06 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Michele Murphy	Michele.Murphy@fusionconnect.com	04/11/2023 12:46:03 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			











1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Birch Vendor Relations	vendorrelations@birch.com	04/11/2023 12:47:02 PST	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Carrier Relations	carrierrelations@fusionconnect.com	04/11/2023 12:47:05 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Michele Murphy	Michele.Murphy@fusionconnect.com	04/11/2023 12:46:53 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Pamela Hintz	pamela.hintz@fusionconnect.com	04/11/2023 12:47:02 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Irma Dulay	IDulay@primustel.ca	04/11/2023 12:46:28 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Nancy Baglieri	Nancy.Baglieri@fusionconnect.com	04/11/2023 12:46:20 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	Stephen Hayes	stephen.hayes@fusionconnect.com	04/11/2023 12:47:22 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
2347	Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)	James Prenetta	JPrenetta@fusionconnect.com	04/11/2023 12:46:47 PST	Lightyear Network Solutions LLC (FKA) / Ionex Communications North Inc. dba Birch Communications			
8410	Jet Communications, LLC Group Six Communications	Kindi King	Kindi.K@jetcommunications.net	04/11/2023 12:46:08 PST	Jet Communications, LLC			
136	Level 3 Communications LLC	Change Control	ChangeControl@level3.com	04/11/2023 12:46:26 PST	Level 3 Communications LLC (PlatinumPlus)			

136	Level 3 Communications LLC	Susan Bilderback	susan.bilderback@level3.com	04/11/2023 12:46:13 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	911 Planning	DL-911Planning@Level3.com	04/11/2023 12:46:55 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Andrea Lile	andrea.lile2@level3.com	04/11/2023 12:47:07 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Corey Curtis	corey.curtis@level3.com	04/11/2023 12:46:32 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Cynthia Delgado Rojas	cynthia.delgado Rojas@level3.com	04/11/2023 12:46:44 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Mary Brieno	Mary.Brieno@Level3.com	04/11/2023 12:47:22 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Tricha Ginn	patricia.ginn@level3.com	04/11/2023 12:46:55 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Elsa Temple	elsa.temple@level3.com	04/11/2023 12:46:31 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	John Guzman	john.guzman@synchronoss.com	04/11/2023 12:46:42 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Joe Neumayr	joe.neumayr@centurylink.com	04/11/2023 12:46:52 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Jeanne Kulesa	jeanne.kulesa@synchronoss.com	04/11/2023 12:46:50 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Ian Ximinies	ian.ximinies@synchronoss.com	04/11/2023 12:46:30 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Echo Putman	echo.putman@centurylink.com	04/11/2023 12:46:56 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	David Bergeron	david.bergeron@level3.com	04/11/2023 12:47:12 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Gary Black	gary.blackjr@level3.com	04/11/2023 12:46:02 PST	Level 3 Communications LLC (PlatinumPlus)			

136	Level 3 Communications LLC	Jennifer Torres	Jennifer.Torres@level3.com	04/11/2023 12:46:33 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Change Management	change.management@centurylink.com	04/11/2023 12:46:50 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Mandi Beck	amanda.beck@level3.com	04/11/2023 12:47:19 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Tracy McBee	tracy.mcbee@level3.com	04/11/2023 12:46:47 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Kristin Petrella	kristin.petrella@level3.com	04/11/2023 12:47:13 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Stephanie German	stephanie2.german@level3.com	04/11/2023 12:46:26 PST	Level 3 Communications LLC (PlatinumPlus)			
136	Level 3 Communications LLC	Melissa Maracle	melissa.maracle@level3.com	04/11/2023 12:47:07 PST	Level 3 Communications LLC (PlatinumPlus)			
5516	Lightspeed Networks Inc. dba LS Networks (fka Noanet Oregon) Lightspeed Networks, Inc. dba LS Networks Lightspeed Networks Inc.	Valerie Starr	vstarr@lsnetworks.net	04/11/2023 12:46:57 PST	LightSpeed Networks, Inc. dba LS Networks			
5516	Lightspeed Networks Inc. dba LS Networks (fka Noanet Oregon) Lightspeed Networks, Inc. dba LS Networks Lightspeed Networks Inc.	Cassandra Barteaux	Contracts@LSNetworks.net	04/11/2023 12:47:21 PST	LightSpeed Networks, Inc. dba LS Networks			
5516	Lightspeed Networks Inc. dba LS Networks (fka Noanet Oregon) Lightspeed Networks, Inc. dba LS Networks Lightspeed Networks Inc.	Rate Notifications	rates@nitelusa.com	04/11/2023 12:46:39 PST	LightSpeed Networks, Inc. dba LS Networks			
3496	LightSpeed Networks, Inc. (fka Quantum Communications LLC)	Kyley Quinn	ordermgmt@lsnetworks.net	04/11/2023 12:46:47 PST	LightSpeed Networks, Inc.			
3496	LightSpeed Networks, Inc. (fka Quantum Communications LLC)	Valerie Starr	vstarr@lsnetworks.net	04/11/2023 12:46:11 PST	LightSpeed Networks, Inc.			

3496	LightSpeed Networks, Inc. (fka Quantum Communications LLC)	Kevin Brown	kevin@qjs.net	04/11/2023 12:45:57 PST	LightSpeed Networks, Inc.			
3496	LightSpeed Networks, Inc. (fka Quantum Communications LLC)	Matt Fahey	mfahey@lsnetworks.net	04/11/2023 12:46:44 PST	LightSpeed Networks, Inc.			
12398	LTE Wireless Inc	Robert Casey	info@ltewireless.com	04/11/2023 12:46:58 PST	LTE Wireless Inc.			
1783	Magna5 LLC	Rate Notifications #3	rates@ringsquared.com	04/11/2023 12:47:16 PST	Magna5 LLC (FKA X5 OpCo LLC)			
7394	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel) Comtel Telcom Assets LP (dba Excel Telecomm.)	Tgsr Notices	industrynotice@excel.com	04/11/2023 12:47:20 PST	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel)			
7394	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel) Comtel Telcom Assets LP (dba Excel Telecomm.)	Jennifer Britton	jennifer.britton@excel.com	04/11/2023 12:46:57 PST	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel)			
7394	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel) Comtel Telcom Assets LP (dba Excel Telecomm.)	Ivy Chan Lai Man	lchan@GlobalcloudXchange.com	04/11/2023 12:47:19 PST	Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel)			
1396	Matrix Telecom, LLC. dba Matrix Business Technologies dba Trinsic Communications Matrix Telecom Inc.	Alex Valencia	alex.valencia@lingo.com	04/11/2023 12:47:12 PST	Matrix Telecom Inc.			
1396	Matrix Telecom, LLC. dba Matrix Business Technologies dba Trinsic Communications Matrix Telecom Inc.	Jill Hunt-Smith	jsmith@impacttelecom.com	04/11/2023 12:46:45 PST	Matrix Telecom Inc.			
1468	Matrix Telecom, LLC. dba VarTec Telecom (fka Comtel) Comtel Telcom Assets LP	Account Provisioning	accountprovisioning@impacttelecom.com	04/11/2023 12:46:08 PST	VarTec Telecom			
1658	MCI metro Access Transmission Services LLC Verizon Business Network Services Inc.	Rhonda Powell	rhonda.k.powell@verizonbusiness.com	04/11/2023 12:46:50 PST	Verizon Business Network Services LLC (IR) AKA MCI metro Access Transmission Services, LLC			

1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	alecia jones	alecia.d.jones@verizon.com	04/11/2023 12:46:53 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	TPVM System	TPVM.Leads@verizon.com	04/11/2023 12:46:32 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Tresia Lindsey	tresia.lindsey@verizon.com	04/11/2023 12:46:03 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Jason Lee	jason.lee1@verizon.com	04/11/2023 12:46:41 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Dan Higgins	daniel.higgins@verizon.com	04/11/2023 12:46:41 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Maria Kelly	maria.kelly1@verizon.com	04/11/2023 12:46:38 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Kavita G. Deshmukh	kavita.deshmukh@verizon.com	04/11/2023 12:46:49 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	David Eng	david.eng@verizon.com	04/11/2023 12:46:14 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			
1658	MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.	Change Management Notification	OCC-Maintenance@verizon.com	04/11/2023 12:46:29 PST	Verizon Business Network Services LLC (IR) AKA MCImetro Access Transmission Services, LLC			

84	McLeod USA Telecommunications Services LLC	Scott Terry	Scott.A.Terry@windstream.com	04/11/2023 12:46:01 PST	McLeodUSA Telecommunications Services LLC			
84	McLeod USA Telecommunications Services LLC	Joyce Bilow	joyce.bilow@windstream.com	04/11/2023 12:46:01 PST	McLeodUSA Telecommunications Services LLC			
84	McLeod USA Telecommunications Services LLC	Wholesale Cost	Windstream.WholesaleCost@windstream.com	04/11/2023 12:46:23 PST	McLeodUSA Telecommunications Services LLC			
84	McLeod USA Telecommunications Services LLC	Lynn Denton	WCI.ENTSM.Industry.Notices@windstream.com	04/11/2023 12:46:39 PST	McLeodUSA Telecommunications Services LLC			
84	McLeod USA Telecommunications Services LLC	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:48 PST	McLeodUSA Telecommunications Services LLC			
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan	Paola Bulloch	pbulloch@mettel.net	04/11/2023 12:46:02 PST	Metropolitan Telecommunications Inc.			

	Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.	Andoni Economou	aeconomou@mettel.net	04/11/2023 12:46:10 PST	Metropolitan Telecommunications Inc.			

1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.	Ted Salame	tsalame@mettel.net	04/11/2023 12:46:43 PST	Metropolitan Telecommunications Inc.			
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New	Addie Valentine	avalentine@mettel.net	04/11/2023 12:46:49 PST	Metropolitan Telecommunications Inc.			

	Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan	CenturyLink- Qwest Quote	qwestquote@mettel.net	04/11/2023 12:47:17 PST	Metropolitan Telecommunications Inc.			

	Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc.	Milton Schneebalg	MSCHNEEBALG@METTEL.NET	04/11/2023 12:46:39 PST	Metropolitan Telecommunications Inc.			

	Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of	Joseph Farano	jfarano@mettel.net	04/11/2023 12:46:19 PST	Metropolitan Telecommunications Inc.			

	Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan	Will Prince	WPRINCE@METTEL.NET	04/11/2023 12:46:15 PST	Metropolitan Telecommunications Inc.			

	Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.	John Nugent	jnugent@mettel.net	04/11/2023 12:46:18 PST	Metropolitan Telecommunications Inc.			
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc.	Barbara Handy	BHANDY@METTEL.NET	04/11/2023 12:46:48 PST	Metropolitan Telecommunications Inc.			

	Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa	Bill Bauder	BBAUDER@METTEL.NET	04/11/2023 12:46:44 PST	Metropolitan Telecommunications Inc.			

	Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan	Annie Huang	ahuang@mettel.net	04/11/2023 12:46:33 PST	Metropolitan Telecommunications Inc.			

	Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc.	Marc Wolfsohn	MWolfsohn@mettel.net	04/11/2023 12:46:52 PST	Metropolitan Telecommunications Inc.			










	Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of	Orest Siryj	osiryj@mettel.net	04/11/2023 12:47:17 PST	Metropolitan Telecommunications Inc.			

	Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.	Assigned Provisioner	advprov@mettel.net	04/11/2023 12:47:16 PST	Metropolitan Telecommunications Inc.			
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan	Aqila Dhandapani	adhandapani@mettel.net	04/11/2023 12:46:22 PST	Metropolitan Telecommunications Inc.			

	Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of South Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc.	Barberie Radanovich	bradanovich@mettel.net	04/11/2023 12:46:50 PST	Metropolitan Telecommunications Inc.			

	Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
1997	Metropolitan Telecommunications of Montana Inc. Metropolitan Telecommunications of Utah Inc. Metropolitan Telecommunications of New Mexico Inc. Metropolitan Telecommunications of Colorado Inc. Metropolitan Telecommunications of Iowa Inc. Metropolitan Telecommunications of Idaho Inc. Metropolitan Telecommunications of	Chris Eriksen-Reid	ceriksen@mettel.net	04/11/2023 12:47:18 PST	Metropolitan Telecommunications Inc.			

	Nebraska Inc. Metropolitan Telecommunications of Oregon Inc. Metropolitan Telecommunications of Washington Inc. Metropolitan Telecommunications of Minnesota Inc. Metropolitan Telecommunications of Arizona Inc. Metropolitan Telecommunications of North Dakota Inc. Metropolitan Telecommunications of Spouth Dakota Inc. Metropolitan Telecommunications of Wyoming Inc.							
8740	Midwestern Telecommunications Inc	Ek Chinwah	ek@mymti.com	04/11/2023 12:47:03 PST	Midwestern Telecommunications Inc			
7031	Monmouth Independence Network dba	P Armstrong	parmstrong@minetfiber.net	04/11/2023 12:46:26 PST	MI net			
7031	Monmouth Independence Network dba	Phil Armstrong	Parmstrong@minetfiber.com	04/11/2023 12:47:16 PST	MI net			
7031	Monmouth Independence Network dba	John Cooper	jcooper@minetfiber.com	04/11/2023 12:47:06 PST	MI net			
12197	Native Network (fka CATTCOMM LLC)	Jenny Rickel	jricket@nativenetwork.com	04/11/2023 12:46:38 PST	Native Network, Inc. (fka CATTCOMM LLC)			
12197	Native Network (fka CATTCOMM LLC)	Andrew Metcalfe	metcalfe@nativenetwork.com	04/11/2023 12:46:37 PST	Native Network, Inc. (fka CATTCOMM LLC)			
3474	Neustar Inc.	Sarita Singhal	sarita.singhal@team.neustar	04/11/2023 12:46:06 PST	Neustar Inc.			
3474	Neustar Inc.	LSRICM Contact	LSRICMContact@neustar.biz	04/11/2023 12:46:36 PST	Neustar Inc.			











3474	Neustar Inc.	Carol Frike	carol.frike@neustar.biz	04/11/2023 12:46:18 PST	Neustar Inc.			
3474	Neustar Inc.	Vivian Xu	vivian.xu@neustar.biz	04/11/2023 12:47:08 PST	Neustar Inc.			
3474	Neustar Inc.	Terri Kramer	terri.kramer@neustar.biz	04/11/2023 12:46:23 PST	Neustar Inc.			
3474	Neustar Inc.	Michelle Morgan	michelle.morgan@team.neustar	04/11/2023 12:46:40 PST	Neustar Inc.			
3474	Neustar Inc.	Lan Nguyen	lan.nguyen@neustar.biz	04/11/2023 12:46:06 PST	Neustar Inc.			
3474	Neustar Inc.	Sherry Zheng	sherry.zheng@neustar.biz	04/11/2023 12:46:41 PST	Neustar Inc.			
3474	Neustar Inc.	Lan Nguyen	Lan.nguyen@team.neustar	04/11/2023 12:47:04 PST	Neustar Inc.			
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC	Belva Thomas	belva.thomas@inteliquent.com	04/11/2023 12:46:38 PST	Onvoy, LLC			












5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC	Neutral Tandem	msp_inteliquent@razorsight.com	04/11/2023 12:47:04 PST	Onvoy, LLC			
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC	Ruchi Katwala	rghai@inteliquent.com	04/11/2023 12:47:05 PST	Onvoy, LLC			

	Neutral Tandem-Oregon, LLC							
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC	Richard Monto	rmonto@inteliquent.com	04/11/2023 12:46:09 PST	Onvoy, LLC			
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC	Jon Clopton	jclopton@inteliquent.com	04/11/2023 12:46:01 PST	Onvoy, LLC			














	Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC							
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC	Shawanda Wright	shawanda.wright@inteliquent.com	04/11/2023 12:47:09 PST	Onvoy, LLC			
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem-	Helene Moore	helene.moore@inteliquent.com	04/11/2023 12:47:03 PST	Onvoy, LLC			











	Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC							
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New Mexico, LLC Neutral Tandem- Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC	Daniel Meldazis	daniel.meldazis@inteliquent.com	04/11/2023 12:46:17 PST	Onvoy, LLC			
5855	Neutral Tandem-Arizona, LLC Neutral Tandem-Nebraska, LLC Neutral Tandem-Wyoming, LLC Inteliquent, Inc. Neutral Tandem-Colorado, LLC Neutral Tandem-North Dakota, LLC Neutral Tandem-Minnesota, LLC Neutral Tandem-Montana, LLC Neutral Tandem-Utah, LLC Neutral Tandem-Idaho, LLC Neutral Tandem-New	John Bullock	JBULLOCK@INTELIQUENT.com	04/11/2023 12:47:10 PST	Onvoy, LLC			






	Mexico, LLC Neutral Tandem- Washington, LLC Neutral Tandem-Iowa, LLC Neutral Tandem-South Dakota, LLC Neutral Tandem-Oregon, LLC							
3005	NextGen Phone Systems Inc.	Kevin Sullivan	kevin.sullivan@alyrica.net	04/11/2023 12:47:21 PST	Alyrica Telephone, LLC (fka NextGen Phone Systems)			
11784	NHC Communications, Inc. New Horizons Communications Corporation	Robert Fabbricatore	bobfabb@nhcgrp.com	04/11/2023 12:46:35 PST	New Horizons Communications Corporation			
11784	NHC Communications, Inc. New Horizons Communications Corporation	Stephen Gibbs	sgibbs@nhcgrp.com	04/11/2023 12:46:58 PST	New Horizons Communications Corporation			
11784	NHC Communications, Inc. New Horizons Communications Corporation	Alpha Pallan	apallan@nhcgrp.com	04/11/2023 12:46:39 PST	New Horizons Communications Corporation			
11784	NHC Communications, Inc. New Horizons Communications Corporation	Glen Nelson	gnelson@nhcgrp.com	04/11/2023 12:46:54 PST	New Horizons Communications Corporation			
1804	NISC	Lois Ihle	lois.ihle@nisc.coop	04/11/2023 12:47:18 PST	NISC			
1804	NISC	Steve Berger	steven.berger@nisc.coop	04/11/2023 12:45:56 PST	NISC			
142	North County Communications Corpration North County Communications Corporation of Washington North County Communications Corporation of Arizona North County Communications Corporation of Oregon	Todd Lesser	todd@nccom.com	04/11/2023 12:46:19 PST	North County Communications			
142	North County Communications Corpration North County	Accounting Notices	accounting@nccom.com	04/11/2023 12:46:05 PST	North County Communications			

	Communications Corporation of Washington North County Communications Corporation of Arizona North County Communications Corporation of Oregon							
3333	North Santiam Communications	David Carpenter	dcarp@wvi.com	04/11/2023 12:47:18 PST	SCS Communications and Security Inc			
9446	Northland Communications, Inc	Daniel Nichols	dannichols@cltel.com	04/11/2023 12:46:43 PST	Northland Communications Inc			
9446	Northland Communications, Inc	Thomas Lovell	cltel@cltel.com	04/11/2023 12:46:57 PST	Northland Communications Inc			
9446	Northland Communications, Inc	Hillary Bartell	HillaryBartell@cltel.com	04/11/2023 12:46:30 PST	Northland Communications Inc			
3323	Northwest Open Access Network	Mike Henson	mhenson@noanet.net	04/11/2023 12:46:04 PST	Northwest Open Access Network (NOANET)			
3323	Northwest Open Access Network	Candy Patterson	cpatterson@noanet.net	04/11/2023 12:47:05 PST	Northwest Open Access Network (NOANET)			
138	Onvoy Inc.	Shirley Monson	shirley.monson@onvoy.com	04/11/2023 12:46:28 PST	Onvoy Inc			
138	Onvoy Inc.	Sheree Suarez	sheree.suarez@inteliquent.com	04/11/2023 12:47:21 PST	Onvoy Inc			
138	Onvoy Inc.	Jaclyn Baca	jaclyn.baca@zayo.com	04/11/2023 12:46:39 PST	Onvoy Inc			
138	Onvoy Inc.	Michael Donahue	michael.donahue@onvoy.com	04/11/2023 12:46:35 PST	Onvoy Inc			
138	Onvoy Inc.	Scott Sawyer	scott.sawyer@onvoy.com	04/11/2023 12:46:21 PST	Onvoy Inc			
138	Onvoy Inc.	Tobi Withrow	tobi.withrow@zayo.com	04/11/2023 12:46:40 PST	Onvoy Inc			


138	Onvoy Inc.	Kathleen Buchholz	kbuchholz@zayo.com	04/11/2023 12:46:01 PST	Onvoy Inc			
138	Onvoy Inc.	Caren Koehler	Caren.Koehler@zayo.com	04/11/2023 12:46:19 PST	Onvoy Inc			
138	Onvoy Inc.	Accounts Payable	accountspayable@onvoy.com	04/11/2023 12:46:50 PST	Onvoy Inc			
138	Onvoy Inc.	Dean Polkow	dean.polkow@onvoy.com	04/11/2023 12:45:56 PST	Onvoy Inc			
138	Onvoy Inc.	Michael Chase	mike.chase@onvoy.com	04/11/2023 12:46:51 PST	Onvoy Inc			
138	Onvoy Inc.	Tracy Taylor	tracy.taylor@inteliquent.com	04/11/2023 12:46:31 PST	Onvoy Inc			
138	Onvoy Inc.	Verna Campbell	verna.campbell@inteliquent.com	04/11/2023 12:46:15 PST	Onvoy Inc			
3053	Orbitcom Inc.	Pamela Hintz	pamela.hintz@fusionconnect.com	04/11/2023 12:46:07 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Brad Van Leur	bvanleur@orbitcominc.net	04/11/2023 12:47:03 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	James Prenetta	JPrenetta@fusionconnect.com	04/11/2023 12:46:33 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Carrier Relations	carrierrelations@fusionconnect.com	04/11/2023 12:47:14 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Irma Dulay	IDulay@primustel.ca	04/11/2023 12:46:57 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Nancy Baglieri	Nancy.Baglieri@fusionconnect.com	04/11/2023 12:46:30 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Michele Murphy	Michele.Murphy@fusionconnect.com	04/11/2023 12:47:22 PST	OrbitCom Inc.			
3053	Orbitcom Inc.	Stephen Hayes	stephen.hayes@fusionconnect.com	04/11/2023 12:46:43 PST	OrbitCom Inc.			






3053	Orbitcom Inc.	Mike Powers	mpowers@orbitcominc.net	04/11/2023 12:47:15 PST	OrbitCom Inc.			
7317	Oregon Public Utilities Commission	Joseph Barstow	joseph.bartholomew@puc.oregon.gov	04/11/2023 12:47:08 PST	Oregon Public Utilities Commission			
7317	Oregon Public Utilities Commission	Scott Shearer	scott.shearer@state.or.us	04/11/2023 12:46:25 PST	Oregon Public Utilities Commission			
2322	Oregon Telecom Inc	Kim Isaacs	Kim.Isaacs@allstream.com	04/11/2023 12:47:03 PST	Oregon Telecom Inc			
2322	Oregon Telecom Inc	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:47:17 PST	Oregon Telecom Inc			
155	Origin Networks, LLC fka Umpqua Telecom Services Corp. dba Rio Networks	Nicole Richey	nrichey@infostructure.biz	04/11/2023 12:46:29 PST	Origin Networks LLC			
155	Origin Networks, LLC fka Umpqua Telecom Services Corp. dba Rio Networks	Ashley Kruk	akruk@infostructure.biz	04/11/2023 12:45:58 PST	Origin Networks LLC			
155	Origin Networks, LLC fka Umpqua Telecom Services Corp. dba Rio Networks	Chris Harris	Harris@infostructure.biz	04/11/2023 12:46:09 PST	Origin Networks LLC			
155	Origin Networks, LLC fka Umpqua Telecom Services Corp. dba Rio Networks	Jessi Ramirez	jramirez@infostructure.net	04/11/2023 12:47:23 PST	Origin Networks LLC			
155	Origin Networks, LLC fka Umpqua Telecom Services Corp. dba Rio Networks	Scott Hansen	shansen@infostructure.net	04/11/2023 12:46:24 PST	Origin Networks LLC			
11159	PACIFIC WAVE COMMUNICATIONS	Patrick Fuchs	patrick@onlinew.com	04/11/2023 12:47:09 PST	PACIFIC WAVE COMMUNICATIONS			
11159	PACIFIC WAVE COMMUNICATIONS	Kathy Tate	ktate@onlinew.com	04/11/2023 12:47:10 PST	PACIFIC WAVE COMMUNICATIONS			
11159	PACIFIC WAVE COMMUNICATIONS	Jeb Bladine	jbladine@newsregister.com	04/11/2023 12:47:10 PST	PACIFIC WAVE COMMUNICATIONS			
2655	PAETEC Communications, LLC	Windstream Legal	Windstream.legal.notices@windstream.com	04/11/2023 12:46:31 PST	Paetec Communications, LLC			
2655	PAETEC Communications, LLC	Wholesale Cost	Windstream.WholesaleCost@windstream.com	04/11/2023 12:46:12 PST	Paetec Communications, LLC			













2655	PAETEC Communications, LLC	Lynn Denton	WCI.ENTSM.Industry.Notices@windstream.com	04/11/2023 12:47:09 PST	Paetec Communications, LLC			
2655	PAETEC Communications, LLC	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:05 PST	Paetec Communications, LLC			
2655	PAETEC Communications, LLC	Kathy Beach	kathleen.beach@windstream.com	04/11/2023 12:46:24 PST	Paetec Communications, LLC			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Patrick Phipps	regulatory@peerlessnetwork.com	04/11/2023 12:46:54 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Julie Oost	regulatory@peerlessnetwork.com	04/11/2023 12:47:11 PST	Peerless Network, Inc.			








8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Richard Knight	rknight@peerlessnetwork.com	04/11/2023 12:46:34 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Jacqueline Diakoumakos	jdiakoumakos@peerlessnetwork.com	04/11/2023 12:47:12 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC	Jim Brewer	jbrewer@peerlessnetwork.com	04/11/2023 12:46:01 PST	Peerless Network, Inc.			












	Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC							
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	John Barnicle	jbarnicle@peerlessnetwork.com	04/11/2023 12:46:07 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Tony Hiller	thiller@peerlessnetwork.com	04/11/2023 12:46:43 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC	Cost Assurance	costassurance@peerlessnetwork.com	04/11/2023 12:47:14 PST	Peerless Network, Inc.			





























	Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC							
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Bianca Hillsman	bhillsman@peerlessnetwork.com	04/11/2023 12:46:10 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC	Lynn Goldenne	lgoldenne@peerlessnetwork.com	04/11/2023 12:46:14 PST	Peerless Network, Inc.			

















	Dakota, LLC Peerless Network of Oregon LLC							
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Jacqueline Diakoumakos	Jacqueline.Diakoumakos@infobip.com	04/11/2023 12:46:28 PST	Peerless Network, Inc.			
8238	Peerless Network of Colorado LLC Peerless Network of North Dakota, LLC Peerless Network of Washington LLC Peerless Network of New Mexico, LLC Peerless Network of Minnesota LLC Peerless Network of Arizona LLC Peerless Network Inc. Peerless Network of Utah, LLC Peerless Network of South Dakota, LLC Peerless Network of Oregon LLC	Robert Sherman	bsherman@peerlessnetwork.com	04/11/2023 12:47:04 PST	Peerless Network, Inc.			
6119	Pipertel Communications LLC	Chris Staton	cstaton@pipertel.com	04/11/2023 12:46:46 PST	PiperTel Communications LLC			
2161	Preferred Long Distance Inc.	Jerry Nussbaum	preferred@aol.com	04/11/2023 12:45:58 PST	Preferred Long Distance Inc.			












2161	Preferred Long Distance Inc.	Keith Nussbaum	keith@preferredlongdistance.com	04/11/2023	12:47:12	PST	Preferred Long Distance Inc.			
5510	Prime Time Ventures LLC dba Infostructure	Levi Doty	ldoty@infostructure.net	04/11/2023	12:46:09	PST	Prime Time Ventures LLC dba Infostructure			
5510	Prime Time Ventures LLC dba Infostructure	Scott Hansen	shansen@infostructure.net	04/11/2023	12:46:13	PST	Prime Time Ventures LLC dba Infostructure			
5510	Prime Time Ventures LLC dba Infostructure	Chris Harris	Harris@infostructure.biz	04/11/2023	12:47:16	PST	Prime Time Ventures LLC dba Infostructure			
5510	Prime Time Ventures LLC dba Infostructure	Ashley Kruk	akruk@infostructure.biz	04/11/2023	12:46:48	PST	Prime Time Ventures LLC dba Infostructure			
5510	Prime Time Ventures LLC dba Infostructure	Jeff Rhoden	jrhoden@infostructure.biz	04/11/2023	12:46:01	PST	Prime Time Ventures LLC dba Infostructure			
5510	Prime Time Ventures LLC dba Infostructure	Nicole Richey	nrichey@infostructure.biz	04/11/2023	12:46:42	PST	Prime Time Ventures LLC dba Infostructure			
2332	Primus Telecommunications Canada Inc	Stephen Hayes	stephen.hayes@fusionconnect.com	04/11/2023	12:46:20	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	Irma Dulay	Idulay@primustel.ca	04/11/2023	12:46:32	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	Pamela Hintz	pamela.hintz@fusionconnect.com	04/11/2023	12:46:37	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	Michele Murphy	Michele.Murphy@fusionconnect.com	04/11/2023	12:46:25	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	Carrier Relations	carrierrelations@fusionconnect.com	04/11/2023	12:46:19	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	Nancy Baglieri	Nancy.Baglieri@fusionconnect.com	04/11/2023	12:46:26	PST	Primus Telecommunications Canada Inc			
2332	Primus Telecommunications Canada Inc	James Prenetta	JPrenetta@fusionconnect.com	04/11/2023	12:46:42	PST	Primus Telecommunications Canada Inc			
1155	PriorityOne Telecommunications Inc.	Kelly Mutch	managers@p1tel.com	04/11/2023	12:46:06	PST	PriorityOne Telecommunications Inc			


















1155	PriorityOne Telecommunications Inc.	Jeff Crews	jcrews@p1tel.com	04/11/2023 12:46:37 PST	PriorityOne Telecommunications Inc			
2582	QuantumShift Communications Inc.	Jenna Brown	jbrown@vcomsolutions.com	04/11/2023 12:46:16 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Joe Condy	jcondy@vcomsolutions.com	04/11/2023 12:47:01 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Ivy Lee	ilee@vcomsolutions.com	04/11/2023 12:47:04 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Network Service	service@vcomsolutions.com	04/11/2023 12:47:10 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	James Magante	jmagante@vcomsolutions.com	04/11/2023 12:46:30 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Renee Clifford	rclifford@vcomsolutions.com	04/11/2023 12:46:35 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Kerrie Brand	kbrand@vcomsolutions.com	04/11/2023 12:47:06 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	H Faison	hfaison@vcomsolutions.com	04/11/2023 12:46:12 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Mary Yerkes	myerkes@vcomsolutions.com	04/11/2023 12:47:19 PST	QuantumShift Communications Inc.			
2582	QuantumShift Communications Inc.	Belinda Castillo	bcastillo@vcomsolutions.com	04/11/2023 12:46:41 PST	QuantumShift Communications Inc.			
12122	RCLEC, Inc.	Carolyn Manila	carolyn.manila@rclec.com	04/11/2023 12:47:20 PST	RCLEC, Inc.			
6310	SC TxLink LLC	Brian Cox	brian@prepaidworx.com	04/11/2023 12:46:08 PST	SC TxLink LLC			
8427	Selectel Inc.	Lanz Jackson	lanzjackson@gmail.com	04/11/2023 12:46:17 PST	Selectel Inc.			
8427	Selectel Inc.	Matt O Flaherty	oflaherty.matt@gmail.com	04/11/2023 12:46:58 PST	Selectel Inc.			

442	Sierra Communications Inc.	Paul Bresh	paulbv@bacavalley.com	04/11/2023 12:47:07 PST	Sierra Communications Inc.		
442	Sierra Communications Inc.	Kim Atwater	kimbv@bacavalley.com	04/11/2023 12:46:55 PST	Sierra Communications Inc.		
442	Sierra Communications Inc.	Annelle Bresh	bvtp@bacavalley.com	04/11/2023 12:47:02 PST	Sierra Communications Inc.		
442	Sierra Communications Inc.	Marjorie Bresh	scilecap@bacavalley.com	04/11/2023 12:46:24 PST	Sierra Communications Inc.		
5927	Silver Star Telecom LLC	Clint Warta	clint@silverstartelecom.com	04/11/2023 12:47:17 PST	Silver Star Telecom LLC		
12541	Simwood Inc	Thomas Hadden	thomas.hadden@simwood.com	04/11/2023 12:47:15 PST	Simwood Inc.		
8332	Smartrak Incorporated	Christopher Judd	chrissjudd@smarak.net	04/11/2023 12:46:43 PST	Smartrak Incorporated		
8332	Smartrak Incorporated	John Hoyt	johnhoyt@smarak.net	04/11/2023 12:47:01 PST	Smartrak Incorporated		
6355	Spectrol Inc.	Chris Zambrano	ap@spectrol.com	04/11/2023 12:47:02 PST	Spectrol Inc.		
6355	Spectrol Inc.	Chris Ricca	cricca@spectrol.com	04/11/2023 12:46:22 PST	Spectrol Inc.		
6355	Spectrol Inc.	Joan Keith	jkeith@spectrol.com	04/11/2023 12:46:35 PST	Spectrol Inc.		
6355	Spectrol Inc.	Jay Kim	jkim@spectrol.com	04/11/2023 12:46:38 PST	Spectrol Inc.		
6355	Spectrol Inc.	Becky Sommi	Bsommi@spectrol.com	04/11/2023 12:46:14 PST	Spectrol Inc.		
6355	Spectrol Inc.	Christina Cesco-Canlan	ccesco-canlan@spectrol.com	04/11/2023 12:46:10 PST	Spectrol Inc.		
6355	Spectrol Inc.	Ronald Mitchell	RMitchell@spectrol.com	04/11/2023 12:46:38 PST	Spectrol Inc.		

6355	Spectrotel Inc.	Mike Shachtman	mshachtman@spectrotel.com	04/11/2023 12:46:54 PST	Spectrotel Inc.			
6355	Spectrotel Inc.	Rebecca Sommi	rsommi@spectrotel.com	04/11/2023 12:46:41 PST	Spectrotel Inc.			
1634	Sprint Communications Company L.P.	Chiarelli Joe	joe.m.chiarelli@sprint.com	04/11/2023 12:46:46 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Carie Radford	carie.d.radford@sprint.com	04/11/2023 12:46:40 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Robert Lindquist	Robert.2.Lindquist@sprint.com	04/11/2023 12:46:37 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Network CMC	networkcmc@sprint.com	04/11/2023 12:46:47 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Harry J. Hinsey	harry.j.hinsey@sprint.com	04/11/2023 12:47:14 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Bill Hanson	bill.hanson@sprint.com	04/11/2023 12:46:04 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	William Lawson	William.Lawson@sprint.com	04/11/2023 12:46:25 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Gail Washington	gail.m.washington@sprint.com	04/11/2023 12:47:07 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Dennis Gregory	dennis.t.gregory@sprint.com	04/11/2023 12:46:49 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Ellen Fuller	ellen.fuller@sprint.com	04/11/2023 12:47:13 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	John A. Simpson	john.a.simpson@sprint.com	04/11/2023 12:46:27 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Deanna Bean	Deanna.C.Bean@t-mobile.com	04/11/2023 12:47:09 PST	Sprint Communications Company LP			
1634	Sprint Communications Company L.P.	Rajesh Venkateswaran	Rajesh.Venkateswaran@t-mobile.com	04/11/2023 12:46:33 PST	Sprint Communications Company LP			


1634	Sprint Communications Company L.P.	John Tyson	john.c.tyson@t-mobile.com	04/11/2023 12:46:42	 	Sprint Communications Company LP		
1634	Sprint Communications Company L.P.	Michael Iblison	michael.s.iblison@t-mobile.com	04/11/2023 12:46:56	 	Sprint Communications Company LP		
1634	Sprint Communications Company L.P.	Harry Hinsey	harry.j.hinsey@t-mobile.com	04/11/2023 12:46:30	 	Sprint Communications Company LP		
7651	Stephouse Holdings Company LLC	Tyler Booth	tyler@stephouse.net	04/11/2023 12:47:08		Stephouse Holdings Company LLC		
1568	Talk America Inc.	Scott Terry	Scott.A.Terry@windstream.com	04/11/2023 12:45:57	 	Talk America		
1568	Talk America Inc.	Lynn Denton	WCI.ENTSM.Industry.Notices@windstream.com	04/11/2023 12:46:36	 	Talk America		
1568	Talk America Inc.	Wholesale Cost	Windstream.WholesaleCost@windstream.com	04/11/2023 12:46:56	 	Talk America		
1568	Talk America Inc.	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:59	 	Talk America		
5770	Tanager Telecommunications LLC	Brian Adams	brian.adams@tanagertel.com	04/11/2023 12:46:57		Tanager Telecommunications LLC		
7660	TDS Broadband Service LLC	Accounts Payable Help Desk	accountspayable@tdsinc.com	04/11/2023 12:45:58		TDS Broadband Service LLC		
7660	TDS Broadband Service LLC	Circuit Validation Team	circuitexpensevalidation@tdstelecom.com	04/11/2023 12:46:33		TDS Broadband Service LLC		
5986	Telecom Management Inc.	Scott Layman	slayman@pioneertelephone.com	04/11/2023 12:46:08		Telecom Management Inc.		
5986	Telecom Management Inc.	Rhonda Martens	rmartens@pioneertelephone.com	04/11/2023 12:46:55		Telecom Management Inc.		
1635	Telephone and Data Systems, Inc. (fka Bend Cable Data Services, LLC)	Accounts Payable Help Desk	accountspayable@tdsinc.com	04/11/2023 12:46:51		Telephone and Data Systems Inc.		
1635	Telephone and Data Systems, Inc. (fka Bend Cable Data Services, LLC)	Circuit Validation Team	circuitexpensevalidation@tdstelecom.com	04/11/2023 12:46:18		Telephone and Data Systems Inc.		








6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Ed Spatola	espatola@att.com	04/11/2023 12:47:09 PST	Teleport Communications America LLC			
6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Richelle Barker	rb8434@att.com	04/11/2023 12:46:39 PST	Teleport Communications America LLC			
6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Ann-Marie Viertel	av251v@att.com	04/11/2023 12:46:30 PST	Teleport Communications America LLC			
6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Mark Ashby	ma1606@att.com	04/11/2023 12:45:59 PST	Teleport Communications America LLC			
6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Cathy McAlary	cm6732@att.com	04/11/2023 12:46:22 PST	Teleport Communications America LLC			
6314	Teleport Communications America, LLC (fka TC Systems, Inc.)	Fredrik Cederqvist	fcederqvist@att.com	04/11/2023 12:46:35 PST	Teleport Communications America LLC			
7810	TeleQuality Communications Inc.	Natalie Verette	natalieverette@telequality.com	04/11/2023 12:46:22 PST	TeleQuality Communications Inc			
3013	Telrite Corporation	Brian Lisle	brian.lisle@telrite.com	04/11/2023 12:47:17 PST	Telrite Corporation			
3013	Telrite Corporation	Brian Rathman	brian.rathman@telrite.com	04/11/2023 12:47:03 PST	Telrite Corporation			
3013	Telrite Corporation	Michael Geoffroy	Michael.Geoffroy@telrite.com	04/11/2023 12:46:09 PST	Telrite Corporation			
8386	Teltrust Corporation	CTO Contact	cto@teltrust.com	04/11/2023 12:46:33 PST	Teltrust Corporation			
8386	Teltrust Corporation	Gary Buehner	gbuehner@teltrust.com	04/11/2023 12:46:20 PST	Teltrust Corporation			
10121	Test - Qwest CenturyLink Customer	David Wirtz	david.wirtz@centurylink.com	04/11/2023 12:47:10 PST	Test - Qwest CenturyLink Customer			
10121	Test - Qwest CenturyLink Customer	Donna Reed	donna.reed@lumen.com	04/11/2023 12:46:48 PST	Test - Qwest CenturyLink Customer			
3052	Test Customer	Alan Bratetic	Alan.Bratetic@CenturyLink.com	04/11/2023 12:46:43 PST	Test Customer			






3052	Test Customer	David Wirtz	David.Wirtz@CenturyLink.com	04/11/2023 12:46:20 PST	Test Customer			
3052	Test Customer	BL Marcom	b.l.marcom@centurylink.com	04/11/2023 12:46:08 PST	Test Customer			
147	TNCI Operating Company FKA Pac West	TNCI NOC	noc@tncii.com	04/11/2023 12:46:40 PST	TNCI Operating Company, LLC (FKA) Pac- West Telecomm Inc.			
147	TNCI Operating Company FKA Pac West	Nancy Ford	nford@bluecasa.com	04/11/2023 12:46:52 PST	TNCI Operating Company, LLC (FKA) Pac- West Telecomm Inc.			
147	TNCI Operating Company FKA Pac West	Alan Nafziger	anafziger@tncii.com	04/11/2023 12:47:17 PST	TNCI Operating Company, LLC (FKA) Pac- West Telecomm Inc.			
147	TNCI Operating Company FKA Pac West	RAD Notices	RAD@tncii.com	04/11/2023 12:46:54 PST	TNCI Operating Company, LLC (FKA) Pac- West Telecomm Inc.			
2888	TNCI Operating Company LLC	Billing Notifications	networkcost@impacttelecom.com	04/11/2023 12:46:43 PST	TNCI Operating Company LLC (FKA) Trans National Communications International Inc.			
2888	TNCI Operating Company LLC	Network Notifications	accountprovisioning@impacttelecom.com	04/11/2023 12:46:42 PST	TNCI Operating Company LLC (FKA) Trans National Communications International Inc.			
2888	TNCI Operating Company LLC	Regulatory Notifications	regulatory@tncii.com	04/11/2023 12:47:14 PST	TNCI Operating Company LLC (FKA) Trans National Communications International Inc.			
1785	TSS Digital Services LLC	Thomas D. Ellis	tom.ellis@tssdigital.com	04/11/2023 12:46:55 PST	TSS Digital Services LLC			
124	tw telecom of washington llc Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc) Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc) Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC) Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc)	shelly pedersen	shelly.pedersen@level3.com	04/11/2023 12:46:22 PST	Level 3 Telecom LLC (fka tw telecom)			

	<p>Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.)</p> <p>Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc)</p> <p>Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC))</p> <p>Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc)</p> <p>Level 3 Telecom of Idaho, LLC (fka tw telecom of idaho llc (fka Time Warner Telecom of Idaho LLC))</p>							
124	<p>tw telecom of washington llc</p> <p>Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc)</p> <p>Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc)</p> <p>Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC))</p> <p>Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc)</p> <p>Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.)</p> <p>Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc)</p> <p>Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC))</p> <p>Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc)</p> <p>Level 3 Telecom of Idaho, LLC (fka tw telecom of</p>	Carrie Lorenz	carrie.lorenz@level3.com	04/11/2023 12:46:46 PST	Level 3 Telecom LLC (fka tw telecom)			





	idaho llc (fka Time Warner Telecom of Idaho LLC)							
124	tw telecom of washington llc Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc) Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc) Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC) Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.) Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC) Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc) Level 3 Telecom of Idaho, LLC (fka tw telecom of idaho llc (fka Time Warner Telecom of Idaho LLC)	Jeff Hanks	jeff.hanks@level3.com	04/11/2023 12:47:08 PST	Level 3 Telecom LLC (fka tw telecom)			
124	tw telecom of washington llc Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc) Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc) Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC) Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc) Level 3 Telecom of	Sandra Khoo	sandra.khoo@level3.com	04/11/2023 12:46:42 PST	Level 3 Telecom LLC (fka tw telecom)			

	<p>Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.) Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC)) Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc) Level 3 Telecom of Idaho, LLC (fka tw telecom of idaho llc (fka Time Warner Telecom of Idaho LLC))</p>							
124	<p>tw telecom of washington llc Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc) Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc) Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC)) Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.) Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC)) Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc) Level 3 Telecom of Idaho, LLC (fka tw telecom of</p>	Barry Orrel	BARRY.ORREL@level3.com	04/11/2023 12:46:27 PST	Level 3 Telecom LLC (fka tw telecom)			

	Idaho llc (fka Time Warner Telecom of Idaho LLC)							
1433	United Communications Inc	Kim Isaacs	Kim.Isaacs@allstream.com	04/11/2023 12:47:18 PST	United Communications Inc.			
1433	United Communications Inc	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:46:17 PST	United Communications Inc.			
12243	UnwiredWest LLC	Stephen Parac	stephen@xsmedia.com	04/11/2023 12:46:35 PST	UnwiredWest LLC			
12243	UnwiredWest LLC	Mark Nash	mark@xsmedia.com	04/11/2023 12:46:08 PST	UnwiredWest LLC			
2650	USTel	Bill Braun	Bill.Braun@RECONEX.com	04/11/2023 12:46:29 PST	USTel			
5976	Utility Telephone Inc	Melissa Walraven	mwalraven@utilitytelephone.com	04/11/2023 12:46:50 PST	Utility Telephone Inc.			
5976	Utility Telephone Inc	Jason Mills	jmills@utilitytelephone.com	04/11/2023 12:46:00 PST	Utility Telephone Inc.			
5976	Utility Telephone Inc	Mark Jordan	mjordan@utilitytelephone.com	04/11/2023 12:46:36 PST	Utility Telephone Inc.			
10214	Vaya Telecom of Oregon LLC Vaya Telecom of Washington LLC	Jim Beausoleil	jbeausoleil@o1.com	04/11/2023 12:46:35 PST	Vaya Telecom Inc.			
12147	Voxbeam Telecommunications Inc.	Ryan Rapolti	rrapolti@voxbeam.com	04/11/2023 12:47:21 PST	Voxbeam Telecommunications Inc.			
12147	Voxbeam Telecommunications Inc.	Paul Cusack	pcusack@voxbeam.com	04/11/2023 12:47:09 PST	Voxbeam Telecommunications Inc.			
38	West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) (fka KMC Telecom V, Inc.) West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) Hypercube Telecom, LLC KMC Data LLC Hypercube Telecom LLC.	Don Poe	Don.Poe@h3net.com	04/11/2023 12:46:58 PST	Intrado Communications, LLC			

	West Telecom Services, LLC (fka Hypercube Telecom, LLC)							
38	West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) (fka KMC Telecom V, Inc.) West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) Hypercube Telecom, LLC KMC Data LLC Hypercube Telecom LLC. West Telecom Services, LLC (fka Hypercube Telecom, LLC)	Robert McCausland	Robert.McCausland@h3net.com	04/11/2023 12:46:10 PST	Intrado Communications, LLC			
38	West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) (fka KMC Telecom V, Inc.) West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) Hypercube Telecom, LLC KMC Data LLC Hypercube Telecom LLC. West Telecom Services, LLC (fka Hypercube Telecom, LLC)	Lori Brosky	lori.brosky@h3net.com	04/11/2023 12:46:25 PST	Intrado Communications, LLC			
38	West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) (fka KMC Telecom V, Inc.) West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC) Hypercube Telecom, LLC KMC Data LLC Hypercube Telecom LLC. West Telecom Services, LLC (fka Hypercube Telecom, LLC)	Seth Hill	Seth.Hill@h3net.com	04/11/2023 12:46:39 PST	Intrado Communications, LLC			
3197	Western Independent Networks Inc.	Accounts Bookkeeper	bookkeeper@win-networks.com	04/11/2023 12:47:13 PST	Western Independent Networks			
1402	Wholesail Networks, LLC	Eric Hill	eric.hill@wholesailnetworks.com	04/11/2023 12:46:20 PST	Wholesail Networks, LLC.			

1402	Wholesail Networks, LLC	Christopher Holbrook	cholbrook@noelcomm.com	04/11/2023 12:47:10 PST	Wholesail Networks, LLC.			
2252	Wholesale Carrier Services Inc.	Chris Barton	cbarton@wcs.com	04/11/2023 12:46:31 PST	Wholesale Carrier Services Inc.			
2252	Wholesale Carrier Services Inc.	Kerrie Miller	KMILLER@WCS.COM	04/11/2023 12:46:53 PST	Wholesale Carrier Services Inc.			
8701	WideVoice Communications Inc. Wide Voice, LLC	Becky Prince	billing@widevoice.com	04/11/2023 12:46:44 PST	Wide Voice LLC			
8701	WideVoice Communications Inc. Wide Voice, LLC	Tandy DeCosta	tdecosta@widevoice.com	04/11/2023 12:46:34 PST	Wide Voice LLC			
8701	WideVoice Communications Inc. Wide Voice, LLC	Erla Erlingsdottir	erlae@widevoice.com	04/11/2023 12:46:51 PST	Wide Voice LLC			
8701	WideVoice Communications Inc. Wide Voice, LLC	Andrew Nickerson	anickerson@widevoice.com	04/11/2023 12:46:47 PST	Wide Voice LLC			
2876	WiiTel Local Network LLC WiiTel Communications LLC	911 Planning	DL-911Planning@Level3.com	04/11/2023 12:47:02 PST	Level 3 Communications LLC (Platinum Plus)			
2110	Windstream NuVox Inc. Windstream NuVox, LLC	Windstream Legal	Windstream.legal.notices@windstream.com	04/11/2023 12:47:23 PST	Windstream NuVox, LLC.			
2110	Windstream NuVox Inc. Windstream NuVox, LLC	Lynn Denton	WCI.ENTSM.Industry.Notices@windstream.com	04/11/2023 12:46:48 PST	Windstream NuVox, LLC.			
2110	Windstream NuVox Inc. Windstream NuVox, LLC	Kathy Beach	kathleen.beach@windstream.com	04/11/2023 12:47:15 PST	Windstream NuVox, LLC.			
2110	Windstream NuVox Inc. Windstream NuVox, LLC	Scott Caldwell	Scott.Caldwell@windstream.com	04/11/2023 12:46:16 PST	Windstream NuVox, LLC.			
2110	Windstream NuVox Inc. Windstream NuVox, LLC	Wholesale Cost	Windstream.WholesaleCost@windstream.com	04/11/2023 12:46:37 PST	Windstream NuVox, LLC.			
2222	World Communications Inc.	Douglas Denney	Doug.Denney@allstream.com	04/11/2023 12:47:02 PST	World Communications Inc. (Washington)			
2222	World Communications Inc.	NOC Notifications	nocnetworkrepair@allstream.com	04/11/2023 12:46:07 PST	World Communications Inc. (Washington)			

2222	World Communications Inc.	Kim Isaacs	Kim.Isaacs@allstream.com	04/11/2023 12:47:05 PST	World Communications Inc. (Washington)			
2222	World Communications Inc.	Deborah Christian	Deborah.Christian@allstream.com	04/11/2023 12:46:49 PST	World Communications Inc. (Washington)			
2592	WTI Communications Inc.	Tony Rodriguez	Tonyr@wticomunications.com	04/11/2023 12:46:00 PST	WTI Communications Inc.			
2592	WTI Communications Inc.	Judith Riley	jriley@telecompliance.net	04/11/2023 12:46:09 PST	WTI Communications Inc.			
85	XO Communications Services LLC	Gary Case	gary.case@verizon.com	04/11/2023 12:45:59 PST	XO Communications Services LLC			
85	XO Communications Services LLC	Alaine Miller	alaine.miller@xo.com	04/11/2023 12:46:16 PST	XO Communications Services LLC			
7045	YMax Communications Corp.	Bob Salvo	bob.salvo@ymaxcorp.com	04/11/2023 12:46:51 PST	YMax Communications Corp.			
7045	YMax Communications Corp.	Amy Freund	amy.freund@ymaxcorp.com	04/11/2023 12:46:49 PST	YMax Communications Corp.			
1312	Zayo Bandwidth Northwest Inc. Northwest Telephone Inc.	Mike Allentoff	mike.allentoff@zayo.com	04/11/2023 12:47:22 PST	Zayo Bandwidth Northwest Inc.			
1312	Zayo Bandwidth Northwest Inc. Northwest Telephone Inc.	Jame Sun	James.Sun@Zayo.com	04/11/2023 12:46:12 PST	Zayo Bandwidth Northwest Inc.			
2056	Zayo Group, LLC	James Sun	James.Sun@Zayo.com	04/11/2023 12:46:48 PST	Zayo Group LLC			
2056	Zayo Group, LLC	David Boileau	david.boileau@zayo.com	04/11/2023 12:47:22 PST	Zayo Group LLC			
2056	Zayo Group, LLC	Barb Rocher	zayoap@zayo.com	04/11/2023 12:46:53 PST	Zayo Group LLC			
2056	Zayo Group, LLC	Jaclyn Baca	jaclyn.baca@zayo.com	04/11/2023 12:46:03 PST	Zayo Group LLC			

Fax Contacts

CCDBID	Contract Name	Contact Name	Fax	Notified On	Common Name
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Postal Contacts

CCDBID	Contract Name	Contact Name	Address	City,State,Zip	Common Name
3510	ACN Communication Services Inc	Jenny Silva	1000 Progress Pl	Concord NC 28025	ACN Communication Services Inc
1628	AT&T Corporation	Jerome Bell			AT&T Corporation
5815	Broadvox-CLEC LLC Broadvox Distribution LLC	Ryan Keller	75 Erieview Plz, Ste 400	Cleveland OH 44114	Broadvox-CLEC LLC
6987	Cascade Networks Inc.	Missy Morris	1111 11th Ave	Longview WA 98632	Cascade Networks Inc.
5943	CeriStar Inc	Vice President	50 W Broadway - Ste 1100	Salt Lake City UT 84101	CeriStar Inc
8925	Clear Rate Communications, Inc. Clear Rate Telecom, LLC	Jeff Ortwine	555 S Old Woodward, Ste 600	Birmingham MI 48009	Clear Rate Communications, Inc.
5522	Columbia Broadband Inc.	Marc Farmer			Columbia Broadband Inc.
2129	Comcast Phone of Arizona LLC Comcast Phone of Utah LLC Comcast Phone of Colorado LLC Comcast Phone of Iowa, LLC Comcast Phone of Nebraska, LLC Comcast Phone of Washington LLC Comcast Phone of Idaho, LLC Comcast Phone of New Mexico LLC Comcast Phone of Oregon LLC Comcast Phone of Minnesota LLC	Steve Burke	1500 Market Street	Philadelphia PA 19102-2148	Comcast Business Communications, LLC
903	ComSpan Communications Inc.	Will Burge			ComSpan Communications Inc.
562	Earthlink Business, LLC.	Wholesale Cost			Earthlink Business LLC.
12128	FUTARIS INC	Futaris Inc % Alaska Telecom	301 Calista Ct - Ste B	Anchorage AK 99518	FUTARIS INC
109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Liz Tierney	720 S Colorado Blvd, 800S	Denver CO 80246	GC Pivotal, LLC dba Global Capacity

109	GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)] GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.	Craig Young			GC Pivotal, LLC dba Global Capacity
6333	Global Connection Inc. of America	Nektarios Koronis	5555 Oakbrook Pkwy, Ste 620	Norcross GA 30093	Global Connection Inc. of America
1343	Global Crossing Local Services Inc. Global Crossing Telemanagement Inc. Global Crossing Telecommunications Inc	Joe Cordova			Global Crossing Telecommunications Inc
2526	Integrated Regional Network Enterprise	Maryann Metzger	3732 SE 99th Ave	Portland OR 97204	Integrated Regional Network Enterprise
2526	Integrated Regional Network Enterprise	Office Of The City Attorney	1221 SW 4th Ave	Portland OR 97201	Integrated Regional Network Enterprise
1211	Ionex Communications North Inc.	Lisa Harrison Birch c/o TEOCO	12150 Monument Dr, Ste 700	Fairfax VA 22033	Ionex Communications North Inc. dba Birch Communications
1203	Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)	Richard Mooney	5275 Triangle Pkwy Ste 150	Norcross GA 30092	Ernest Communications Inc. (FKA) / Ionex Communications North Inc. dba Birch Communications
5516	Lightspeed Networks Inc. dba LS Networks (fka Noanet Oregon) Lightspeed Networks, Inc. dba LS Networks Lightspeed Networks Inc.	Leif Hansen			LightSpeed Networks, Inc. dba LS Networks
6580	LSSi Corp	Vice President	101 FIELDCREST AVE	EDISON NJ 08837	LSSi Corp
7062	Navigator Telecommunications LLC	Michael McAlister	8525 River Wood Park Dr N	Little Rock AR 72113	Navigator Telecommunications LLC
9446	Northland Communications, Inc	Janet Lovell			Northland Communications Inc
6957	Premier Connections LLC	Vice President	255 KANUKU ST SE	Salem OR 97306	Premier Connections LLC
2582	QuantumShift Communications Inc.	Accounts Payable	12657 Alcosta Blvd - Suite 418	San Ramon CA 94583	QuantumShift Communications Inc.
523	South Central Utah Telephone Association Inc.	Accounting Department			South Central Utah Telephone Association Inc.
5986	Telecom Management Inc.	Sharlene Howe	39 Darling Ave	South Portland ME 04106	Telecom Management Inc.
3013	Telrite Corporation	Hilary Maloy			Telrite Corporation
147	TNCI Operating Company FKA Pac West	Regulatory Department	4210 Coronado Avenue e	Stockton CA 95204	TNCI Operating Company, LLC (FKA) Pac-West Telecomm Inc.
2888	TNCI Operating Company LLC	Product Notifications			TNCI Operating Company LLC (FKA) Trans National Communications International Inc.
124	tw telecom of washington llc Level 3 Telecom of New Mexico, LLC (fka tw telecom of New Mexico, llc)	911 Planning			Level 3 Telecom LLC (fka tw telecom)

	Level 3 Telecom of Utah, LLC (fka tw telecom of Utah llc) Level 3 Telecom of Arizona, LLC (fka tw telecom of arizona llc (fka Time Warner Telecom of Arizona LLC) Level 3 Telecom of Minnesota, LLC (fka tw telecom of Minnesota llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado, llc) (ICA with El Paso Co.) Level 3 Telecom of Oregon, LLC (fka tw telecom of oregon llc) Level 3 Telecom of Colorado, LLC (fka tw telecom of colorado llc (aka Time Warner Telecom of Colorado LLC) Level 3 Telecom of Washington, LLC (fka tw telecom of washington llc) Level 3 Telecom of Idaho, LLC (fka tw telecom of idaho llc (fka Time Warner Telecom of Idaho LLC)				
3498	Vantage Point Solutions	Jamie Sharpe	2211 N Minnesota St	Mitchell SD 57301	Vantage Point Solutions
3498	Vantage Point Solutions	Darla Pistulka	2211 North Minnesota	Mitchell SD 57301	Vantage Point Solutions
1402	Wholesail Networks, LLC	Transport-NOC Contact			Wholesail Networks, LLC.

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Jo-El Morgan	Joel.M.Morgan@lumen.com	Customer Care Manager	04/11/2023

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Stephanie Smith	Stephanie.L.Smith@lumen.com	Account Director	04/11/2023
Kimberly (Kim) Bruce	Kim.Bruce@lumen.com	Manager - Service Delivery	04/11/2023
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**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA**

**IN THE MATTER OF CENTURYLINK QC'S)
PETITION FOR ELIMINATION OF THE)
QWEST PERFORMANCE ASSURANCE)
PLAN AND PERFORMANCE INDICATOR)
DEFINITIONS)**

**ORDER GRANTING)
APPROVAL OF THE)
ELIMINATION OF THE)
QWEST PERFORMANCE)
ASSURANCE PLAN AND)
PERFORMANCE INDICATOR)
DEFINITIONS)**

TC20-047

On July 31, 2020, the South Dakota Public Utilities Commission (Commission) received a Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions from Qwest Corporation dba CenturyLink QC (CenturyLink). CenturyLink is requesting approval to eliminate the Qwest Performance Assurance Plan (PAP) and Performance Indicator Definitions (PID) and to modify all existing interconnection agreements that currently contain the PAPs and PIDs to incorporate these revisions. CenturyLink states the services covered by the PAPs and PIDs have declined as the Federal Communications Commission has reduced the unbundled network elements Regional Bell Operating Companies, such as CenturyLink, are required to offer Competitive Local Exchange Companies (CLECs), and as a result, payments to CLECs under the PAP have dwindled to less than \$200 for all CLECs combined in South Dakota. CenturyLink further states that the PAPs and the PIDs have served their purpose and the elimination would be just, reasonable, and not contrary to the public interest. On July 23, 2020, CenturyLink sent notice of this filing to all CLECs doing business in South Dakota. No CLECs contacted CenturyLink with any concerns.

On August 6, 2020, the Commission electronically transmitted notice of the filing and the intervention deadline of August 21, 2020, to interested individuals and entities on the Commission's PUC Weekly Filings electronic listserv. No petitions to intervene or comments were filed. On October 19, 2020, CenturyLink filed responses to Commission staff's data requests.

The Commission has jurisdiction over this matter pursuant to SDCL Chapter 49-31 and the Federal Telecommunications Act of 1996.

On October 28, 2020, at its regularly scheduled meeting, the Commission considered whether to approve CenturyLink's request to eliminate its PAP and PID, effective December 1, 2020, and whether to deem all existing interconnection agreements that currently contain the PAP and the PIDs to be modified to incorporate the revisions. The Commission voted unanimously to approve CenturyLink's request to eliminate its PAP and PID, effective December 1, 2020, and to deem all existing interconnection agreements that currently contain the PAP and the PIDs to be modified to incorporate these revisions without further filings and approvals. It is therefore

ORDERED, that CenturyLink's request to eliminate the PAP and the PIDs is hereby approved effective December 1, 2020. It is further

ORDERED, that all existing interconnection agreements that currently contain the PAP and the PIDs are deemed to be modified to incorporate the revisions in this Order, effective December 1, 2020, without the need for further filing or approvals.

Dated at Pierre, South Dakota, this 29th day of October 2020.

CERTIFICATE OF SERVICE
The undersigned hereby certifies that this document has been served today upon all parties of record in this docket, as listed on the docket service list, electronically.
By: <u>Karen E. Cremer</u>
Date: <u>10/29/20</u>
(OFFICIAL SEAL)

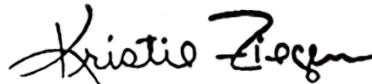
BY ORDER OF THE COMMISSION:



GARY HANSON, Chairman



CHRIS NELSON, Commissioner



KRISTIE FIEGEN, Commissioner

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF QWEST) CASE NO. QWE-T-21-13
CORPORATION’S PETITION FOR)
ELIMINATION OF PERFORMANCE)
ASSURANCE PLAN AND PERFORMANCE) ORDER NO. 35379
INDICATOR DEFINITIONS)
)

On December 1, 2021, Qwest Corporation d/b/a Century Link QC (“Company”) petitioned the Commission to issue an order eliminating the Performance Indicator Definitions (“PIDs”) and Performance Assurance Plan (“PAP”) portions of its interconnection agreements (“ICAs”) with each Idaho competitive local exchange carrier (“CLEC”).

On December 17, 2021, the Commission received additional documents in support of the Company’s Petition.

On February 4, 2022, the Commission issued Notice of Petition and Notice of Modified Procedure.

Staff filed comments on February 25, 2022. The Company did not respond.

With this Order, we approve the Company’s Petition.

THE PETITION

Under the Telecommunications Act of 1996, the Company, as an incumbent local exchange carrier (“ILEC”), was required to enter interconnection agreements with other telecommunications service providers who requested access to the Company’s network, facilities, or services. Petition at 2 (citing 47 U.S.C. §§ 251-252). The processes and procedures outlined by 47 U.S.C. § 271 (“section 271 requirements”) also allowed the Company to enter, for the first time, in-region inter LATA services markets. *Id.*

However, before the Federal Communications Commission (“FCC”) would allow the Company to enter such markets, the Company was required under the section 271 requirements to submit its systems and processes to third-party testing and develop performance measurements by implementing PIDs and putting in place a PAP.

The Company represented that, by 2020, many of the elements of the PIDs and PAP process became unnecessary due to the proliferation of cable and wireless services and, furthermore, were eliminated by the FCC and this Commission. *See Id.* at 3-4.

The Company represented that it followed the procedures for eliminating the PAP process. The Company further represented that CLECs are no longer interested in ordering or seeking repair of the remaining PAP services, nor are they expressing interest in the PAP performance metrics. *Id.* at 5.

STAFF COMMENTS

Staff noted the Company's representation that it contacted the CLECs that would be affected by the proposed amendments to the ICAs. Staff Comments at 2. Staff believed the Company's proposed amendments to the ICAs were consistent with the FCC's forbearance orders. Staff noted the Company filed similar petitions in other states and that the Commissions in South Dakota, Iowa, Nebraska, and Wyoming approved the Company's petitions while approval in Montana and North Dakota was still pending.

Noting its consistency with FCC forbearance orders, Staff recommended the Commission grant the Petition. Staff expressed concern, however, that if the Commission were to grant blanket changes to all existing ICAs, the Company might fail to file the updated ICAs with the Commission. This concern was based on the scenario in Case No. QWE-T-20-02 wherein the Company failed to follow the Commission's order to file all the ICAs it had with CLECs that had been amended. Accordingly, to allow for sufficient review, Staff further recommended the Commission order the Company to file all of the ICAs that it amends through removal of the PIDs and PAPs by July 1, 2022.

COMMISSION FINDINGS AND DECISION

The Commission has jurisdiction over this matter under *Idaho Code* § 62-615 (the Commission's authority to implement the Telecommunications Act of 1996) and *Idaho Code* § 62-605(5)(b) (the Commission's continuing, noneconomic authority over Title 62 telephone corporations); *see also* 47 U.S.C. 252(e)(1).

Based on our review of the record in this case, including the comments of Staff, the Commission finds it fair, just, and reasonable to grant the Company's Petition and authorizes the removal of PIDs and PAPs from the Company's ICAs with Idaho CLECs. We direct the Company to file for Commission review by July 1, 2022, all ICAs that have the PIDs and PAPs removed.

ORDER

IT IS HEREBY ORDERED that the Company's Petition is approved.

IT IS FURTHER ORDERED that the Company shall file, by July 1, 2022, all ICAs that have been amended by removing the PIDs and PAPs.

THIS IS A FINAL ORDER. Any person interested in this Order may petition for reconsideration within twenty-one (21) days of the service date of this Order with regard to any matter decided in this Order. Within seven (7) days after any person has petitioned for reconsideration, any other person may cross-petition for reconsideration. *See Idaho Code § 61-626.*

DONE by Order of the Idaho Public Utilities Commission at Boise, Idaho this 21st day of April 2022.



ERIC ANDERSON, PRESIDENT

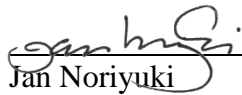


JOHN CHATBURN, COMMISSIONER



JOHN R. HAMMOND JR., COMMISSIONER

ATTEST:



Commission Secretary

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STATE OF IOWA
DEPARTMENT OF COMMERCE
UTILITIES BOARD

IN RE: QWEST CORPORATION d/b/a CENTURYLINK QC	DOCKET NO. M-0272
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ORDER GRANTING PETITION FOR ELIMINATION

BACKGROUND

On May 18, 2021, Qwest Corporation d/b/a CenturyLink QC (CenturyLink) filed with the Utilities Board (Board) a Petition for Elimination of the Qwest Performance Assurance Plan (PAP) and Performance Indicator Definitions (PIDs) portions of its interconnection agreements with each Iowa competitive local exchange carrier (CLEC). CenturyLink states that each year, the PAP and PIDs become less relevant, largely due to the Federal Communications Commission (FCC) reducing the number of unbundled elements CenturyLink is required to provide to CLECs.

In its petition, CenturyLink explains that the PAP is a self-effectuating performance plan implemented as part of the interconnection agreements between CenturyLink and CLECs. The PIDs are implemented as part of the agreements and contain definitions and metrics supporting the PAP. These requirements were necessary for CenturyLink to receive FCC approval to enter into the interstate long distance telecommunications market.

The Iowa PAP was originally approved by the Board in Docket No. INU-2000-0002, and it has been amended several times.

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PAGE 2

On August 2, 2019, the FCC issued a UNE (unbundled network elements) Analog Loop and Resale Forbearance Order, which “eliminated and modified some obligations” for regional Bell operating companies to provide specified products and network elements. See *CenturyLink*, Petition for Approval of Amendments to the PAP and PIDs to Implement the FCC’s 2019 Forbearance Orders, Docket No. M-0272 (February 26, 2020). CenturyLink is a successor to a regional Bell operating company.

On February 26, 2020, CenturyLink filed a petition with the Board to amend the PAP and PIDs in response to the FCC order. On March 3, 2020, Board staff requested a list of CLECs notified by CenturyLink of the filed petition and the docket numbers for interconnection agreements that would be affected. On March 12, 2020, CenturyLink filed the requested information. On April 6, 2020, the Board approved changes based upon CenturyLink’s filing and the FCC order. On October 28, 2020, the FCC issued a second order, UNE Modernizing Forbearance Order, which made further changes, such as:

- Eliminating unbundling requirements, subject to a reasonable transition period, for enterprise-grade DS1 and DS3 loops;
- Eliminating unbundling requirements for broadband-capable DS0 loops in the most densely populated areas, and for voice-grade narrowband loops nationwide; and
- Eliminating unbundled dark fiber transport provisioned from wire centers within a half mile of competitive fiber networks but provide an eight-year transition period for existing circuits so as to avoid stranding investment and last-mile deployment by competitive LECs that may harm consumers.

CenturyLink states that by complying with the second FCC Order, CenturyLink would remove almost all the PAP and PIDs, and it would require CenturyLink to “completely change the architecture of the automated reporting processing.”

Additionally, CenturyLink asserts that complying with the second FCC order would

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PAGE 3

“remove almost all the PIDs and PAP over various product level timelines,” and modifying the PAP and PIDs requires metrics to be compiled at a wire center and not at a state level, which would be very costly. CenturyLink states that some CLECs have already started ordering products outside of the short-term remaining UNEs, so the remaining months of metric tracking are not relevant for non-discrimination purposes, which was the original intent.

In its petition, CenturyLink states that it has notified impacted CLECs about the petition to eliminate the PAP and PIDs. CenturyLink states that it has received no objections as of May 18, 2021. CenturyLink states its “most significant competitors” are cable and wireless providers that have their own networks, and those elements are no longer significant competition components. Additionally, CenturyLink states that these payments have been reduced from \$1,104,528 in 2003 to \$1,730 in 2020. CenturyLink also states that the orders for services and repairs decline yearly, and the number of times CLECs log into the PAP to review performance has declined to where most CLECs do not ever log into the PAP.

CenturyLink requests the following:

1. Approve the elimination of PAP and PIDs from all interconnection agreements in Iowa effective August 1, 2021.
2. Deem all existing interconnection agreements that currently contain the PAP and PIDs be modified to incorporate the revisions in the petition, also effective August 1, 2021, without need for further filings or approvals.
3. In the event there is no opposition to the petition within 30 days, CenturyLink requests that the petition be granted without a hearing, further filings, or proceedings.
4. To the extent there is opposition to the petition, CenturyLink recommends that the Board schedule a technical conference to further discuss the elimination of PAP and PIDs.

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BOARD ANALYSIS

The Board has reviewed the petition for elimination of the Qwest performance assurance plan and performance indicator definitions filed by CenturyLink. It appears from CenturyLink's petition that all affected CLECs were notified about the petition. Additionally, on May 25, 2021, the Board provided notice to affected CLECs. No objections were filed within 30 days of the filing of the petition.

Because there have been no objections to the petition, and the elimination of the PAP and PIDs from the interconnection agreements is consistent with FCC orders, the Board will approve the elimination as proposed by CenturyLink. As described by CenturyLink, the PAP and PIDs are of declining importance and are less relevant to the current telecommunications environment. In addition to approving CenturyLink's request, the Board will deem all existing interconnection agreements that currently contain the PAP and PIDs to be modified to incorporate the amendments, effective August 1, 2021. No further approval is needed to modify the interconnection agreements in relation to the removal of the PAP and PIDs. CenturyLink will, however, be required to provide the docket numbers for those interconnection agreements affected by this order in the same manner as provided previously on March 12, 2020.

ORDERING CLAUSES

IT IS THEREFORE ORDERED:

1. Amendments to the Performance Indicator Definitions and Performance Assurance Plan portion of the existing interconnection agreements between Qwest

DOCKET NO. M-0272

PAGE 5

Corporation d/b/a CenturyLink QC and competitive local exchange carriers, as filed by Qwest Corporation d/b/a CenturyLink QC on May 18, 2021, are approved.

2. Within 30 days of the date of this order, Qwest Corporation d/b/a CenturyLink QC shall provide the docket numbers for the interconnection agreements affected by Ordering Clause 1 in the same manner as previously provided on March 12, 2020.

UTILITIES BOARD

Geri Huser Date: 2021.06.25
13:05:00 -05'00'

Richard Lozier Date: 2021.06.25
11:52:48 -05'00'

ATTEST:

Anna Hyatt Date: 2021.06.25
14:19:15 -05'00'

Joshua J Byrnes Date: 2021.06.25
13:29:26 -05'00'

Dated at Des Moines, Iowa, this 25th day of June, 2021.

DEPARTMENT OF PUBLIC SERVICE REGULATION
BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MONTANA

IN THE MATTER OF CenturyLink) REGULATORY DIVISION
QC's Petition for Elimination of the)
Qwest Performance Assurance Plan) DOCKET NO. 2021.07.102
and Performance Indicator Definitions) ORDER NO. 7813a

DEFAULT ORDER

PROCEDURAL HISTORY

1. Qwest Corporation d/b/a CenturyLink QC's ("CenturyLink") filed a Petition for the Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions ("Petition") with the Montana Public Service Commission ("Commission") on July 13, 2021.

2. The Commission issued a Notice of Petition and Opportunity to Intervene on July 30, 2021. The Commission received a request for intervention from Electric Lightwave, LLC ("Allstream") on August 27, 2021, and Montana Consumer Counsel ("MCC") on August 30, 2021.

3. On October 25, 2021, Commission staff issued a Notice of Staff Action Granting Intervention ("NAID"). The NAID granted intervention to the MCC and held Allstream's request for intervention in abeyance, pending Allstream's representation by counsel licensed to practice law in the State of Montana. Allstream did not retain Montana counsel, and did not further participate in this docket.

4. On October 26, 2021, the Commission issued Procedural Order No. 7813, that established a deadline of November 29, 2021, for parties to issue discovery to CenturyLink, and a deadline of December 13, 2021, for intervenors to provide testimony or request additional process. On November 8, 2021, Commission staff issued discovery requests to CenturyLink. CenturyLink provided responses to Commission discovery on December 6, 2021. No parties requested additional process, nor filed intervenor testimony.

5. During a regularly scheduled business meeting on March 15, 2022, the Commission approved CenturyLink's Petition, as discussed below.

DISCUSSION

6. The Telecommunications Act of 1996 (the “Act”) was enacted by Congress, in part, to increase the level of competition within the telecommunication industry. As part of that effort, the Act set forth a path for exchange carriers which had a monopoly on the local market, known as Regional Bell Operating Companies (RBOCs”), the opportunity to obtain approval from the Federal Communications Commission (“FCC”) to enter into the InterLATA long-distance telecommunications market as a competitive provider. 47 U.S.C. § 271. Such a request to the FCC is commonly referred to as a “271 application.”

7. FCC approval of a 271 application is contingent upon the RBOC demonstrating it has made its local exchange network accessible for interconnection to local competitors. 47 U.S.C. § 271(c)(2). One way an RBOC could demonstrate it has met this requirement is by setting forth a statement of generally available terms and conditions (“SGAT”) for interconnection which complies with certain competitive criteria the FCC has outlined in federal statute. Prior to approval of a 271 application, the FCC consults with the relevant state authority to ensure the RBOC has mechanisms in place to ensure its SGAT complies with federal requirements for local interconnection. 47 U.S.C. § 271(d)(2)(B).

8. In 2000, the Regional Oversight Committee (“ROC”), a cooperative group of state regulatory commissions in the Qwest local service region, including Montana, was formed. The purpose of the ROC was to initiate a multi-state collaborative process to examine Qwest’s SGAT, so the states could consult the FCC on its determination for approval of Qwest 271 applications. Following the ROC process, the Commission recommended approval of the Qwest 271 application for Montana. *In re Qwest Corporation Section 271 Application*, FCC WC Docket No. 02-189 (Aug. 1, 2002). In 2002, the FCC approved Qwest’s 271 application to provide long-distance service originating in Montana. *See In re Qwest Communications In-Region InterLATA Application*, WC Docket No. 02-314, Memorandum Opinion and Order, FCC 02-332 (Dec. 23, 2002).

9. The PID and PAP—at issue in this docket—were established as part of the SGAT that was reviewed by the ROC. The PID and PAP are included as Exhibits B and K, respectively, of the standard ICAs that CenturyLink executes with interconnecting CLECs. The Commission has the authority to approve or reject telecommunication ICAs. Mont. Code Ann. § 69-3-839.

10. The PAP is a self-effectuating plan that monitors CenturyLink’s performance for interconnection procedures. The PAP requires CenturyLink to meet certain performance

benchmarks that are defined in the PID. If CenturyLink fails to meet those benchmarks or provide interconnection access to CLECs that is on par with its own, CenturyLink is penalized through payments it must make to the affected CLEC (“Tier 1 payments”).

11. In October 2020, the FCC issued an order (“2020 Order”) which reduced the number of products CenturyLink is required to offer to CLECs for interconnection in counties which the FCC has deemed competitive. *In re Modernizing Unbundling and Resale Requirements*, FCC WC Docket No. 19-308 (Oct. 28, 2020). The 2020 Order grants forbearance for nearly all products in competitive counties—leaving LIS Trunks as the only remaining product that CenturyLink is required to offer under the PID/PAP in competitive counties beginning February 2023. *Id.*

12. The Petition states the automatic reporting metrics CenturyLink currently uses to calculate parity with CLECs is common for all states. PSC-003. The 2020 Order relieves CenturyLink of offering certain products for interconnection on a county-specific basis. CenturyLink asserts that modifying its automated reporting system to track performance on a county-specific level would require significant architectural changes to multiple data warehouse structures and be overly expensive. *Id.*

13. CenturyLink argues the PID and PAP have become less relevant since their inception in the early 2000s. Petition, at 4-6. The Petition states Tier 1 payments to CLECs under the PAP have declined from \$99,769 in 2003 to \$0 in 2020. The Petition asserts the number of orders CenturyLink receives for products offered under the PAP continue to decline, and CLECs rarely log in to the PAP to review performance. *Id.* at 5-6.

14. CenturyLink has notified all impacted CLECs of its proposal to eliminate the PID and PAP. *Id.* at 3. Additionally, it has reached out to the CLECs with the highest volume and/or payments under the current PAP and received no objections related to the state of Montana. *Id.* at 4. The Petition reports that both South Dakota and Iowa have already approved similar petitions for CenturyLink in those states. *Id.* at 1.

15. Due to the declining interest from CLECs for products offered under the PID and PAP, and considering the cost that would be required for CenturyLink to update its automated reporting system following the FCC’s 2020 Order, CenturyLink requests the Commission issue an order eliminating the PID and PAP from CenturyLink ICAs with CLECs in Montana.

16. The Commission approves CenturyLink’s request. The 2020 Order would remove performance tracking for all products apart from LIS trunks in nearly every county that CenturyLink operates within Montana. If the Commission grants this Petition, CenturyLink will not

track performance metrics for LIS Trunks, but LIS Trunks will still be available to CLECs for interconnection. The Commission will also continue to maintain its authority to mediate ICAs, should CenturyLink and an interconnecting CLEC fail to reach terms of an agreement.

17. No party, including the Montana Consumer Counsel, has offered the Commission any testimony or evidence which opposes the Petition. CenturyLink has notified all impacted CLECs of the Petition and has not received any objection to it.

CONCLUSIONS OF LAW

18. The Commission has jurisdiction over CenturyLink pursuant to the Montana Telecommunications Act generally, and the power to approve interconnection agreements specifically. Mont. Code Ann. §§ 69-3-801 through -870, and -839.

19. The Commission has provided sufficient public notice of this proceeding and an opportunity for interested persons to be heard, and concludes that no evidentiary hearing is necessary to resolve this docket. Mont. Code Ann. §§ 2-4-601, 69-3-104. Procedural due process requires that parties are provided reasonable notice and a reasonable opportunity to be heard. *Anaconda Pub. Schs v. Whealon*, 2012 MT 12, ¶ 15, 363 Mont. 344, 268 P.3d 1258 (quoting *In re Peila*, 249 Mont. 272, 815 P.2d 139 (1991)). Those requirements align with Mont. Code Ann. § 2-4-601 (“In a contested case, all parties must be afforded an opportunity for hearing after reasonable notice.”) and Mont. Code Ann. § 2-4-612(1) (“Opportunity shall be afforded all parties to respond and present evidence and argument on all issues involved.”). *Id.* However “due process does not require development of facts through an evidentiary hearing when there are no material factual issues in dispute.” *Id.*; see also *Citizens for Allegan County, Inc. v. FPC*, 414 F.2d 1125, 1128 (D.C. Cir. 1968) (“However, the right of opportunity for hearing does not require a procedure that will be empty sound and show, signifying nothing. The precedents establish, for example, that no evidentiary hearing is required when there is no dispute on the facts and the agency proceeding involves only a question of law.”). Because there are no contested issues of fact regarding the rates and conditions in the Agreement, no hearing is required.

20. This Order is not final for purposes of judicial review under Mont. Code Ann. § 2-4-702(1)(a)-(b) until parties have exhausted their administrative remedies and issues under the Commission’s reconsideration process permitted under Mont. Admin. R. 38.2.4806.

ORDER

21. CenturyLink's Application is APPROVED.

DONE AND DATED this 15th day of March, 2022.

BY THE MONTANA PUBLIC SERVICE COMMISSION

JAMES BROWN, President

BRAD JOHNSON, Vice President

TONY O'DONNELL, Commissioner

RANDALL PINOCCI, Commissioner

JENNIFER FIELDER, Commissioner

CERTIFICATE OF SERVICE

I certify that on the 16th day of March, 2022, a true and accurate copy of the foregoing document was served by email to the following:

CENTURYLINK

peter@scott-law.com

office@scott-law.com

For Applicant CenturyLink

MONTANA CONSUMER COUNSEL

jbrown4@mt.gov

ssnow@mt.gov

For Montana Consumer Counsel

LIST(S)

General Telecommunication Services

Commission Orders

/s/ Tarin Slayton _____

Tarin Slayton

Commission Paralegal

NEBRASKA

PUBLIC SERVICE COMMISSION

COMMISSIONERS:
ROD JOHNSON
CRYSTAL RHOADES
MARY RIDDER
TIM SCHRAM
DAN WATERMEIER



November 9, 2021

CERTIFICATION

To Whom It May Concern:

I, Shanicee L. Knutson, Deputy Director of the Nebraska Public Service Commission, hereby certify that the enclosed is a true and correct copy of the original order made and entered in the proceeding docketed C-5309 on the 9th day of November, 2021. The original order is filed and recorded in the official records of the Commission.

Please direct any questions concerning this order to Shana Knutson at 402-471-3101.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Seal of the Nebraska Public Service Commission, Lincoln, Nebraska, this 9th day of November, 2021.

Sincerely,

A handwritten signature in cursive script that reads "Shanicee Knutson".

Shanicee L. Knutson
Deputy Director



cc: Al Lubeck, Qwest Corporation, 13116 West 128th Street, Overland Park KS 66213
Brook Villa, CenturyLink Communications LLC, 301 Main St, Suite 1200, Baton Rouge LA 70801
Elizabeth A. Culhane, FRASER STRYKER PC LLO, 409 S. 17th St., Suite 500, Omaha NE 68102

SECRETARY'S RECORD, PUBLIC SERVICE COMMISSION

BEFORE THE NEBRASKA PUBLIC SERVICE COMMISSION

In the Matter of Qwest Corporation dba CenturyLink QC, Overland Park, Kansas, seeking authority to eliminate the Performance Indicator Definitions and Performance Assurance Plan from its interconnection agreements with Nebraska CLECs.) Application No. C-9302)
)
)
)
) GRANTED
)
) Entered: November 16, 2021

BY THE COMMISSION:

By application filed July 27, 2021, Qwest Corporation dba CenturyLink QC, Overland Park, Kansas, ("CenturyLink") seeks approval to eliminate the Performance Indicator Definitions ("PIDs") and Performance Assurance Plan ("PAP") from its interconnection agreements with Nebraska Competitive Local Exchange Companies ("CLECs"). Notice of the application was published in The Daily Record, Omaha, Nebraska, on August 5, 2021. No protests were filed; therefore, this application is processed pursuant to the Commission's Rule of Modified Procedure.

OPINION AND FINDINGS

CenturyLink is requesting approval to eliminate the PIDs and PAP from its interconnection agreements with Nebraska CLECs and to modify all existing interconnection agreements that currently contain the PIDs and the PAP to incorporate these revisions. CenturyLink states that each year, the PIDs and PAP become less relevant, largely due to the Federal Communications Commission (FCC) reducing the number of unbundled elements CenturyLink is required to provide to Nebraska CLECs. As a result, payments to CLECs in Nebraska have declined dramatically, from \$244,710 in 2003 to \$6,797 in 2020.

The PAP is a self-effectuating performance assurance plan that is implemented as Exhibit K of interconnection agreements between CenturyLink and CLECs. The PIDs are implemented as Exhibit B to CenturyLink's interconnection agreements and contain the definitions and metrics that support the PAP. Furthermore, CenturyLink states that the PIDs and the PAP have served their purpose and the elimination would be just, reasonable, and is consistent with the public interest, convenience and necessity. On February 15, 2020, CenturyLink sent notice of this filing to all

SECRETARY'S RECORD, PUBLIC SERVICE COMMISSION

Application No. C-5309

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CLECs doing business in Nebraska. No CLECs contacted CenturyLink with any concerns or objections to this proposed change.

Pursuant to Section 252(a) of the Telecommunications Act of 1996 (the Act), CenturyLink seeks to modify its interconnection agreements with Nebraska CLECs. No objection to the proposed modifications was filed by a Nebraska CLEC. Section 252(e) of the Act requires this Commission to review interconnection agreements adopted by negotiation or arbitration to ensure they comply with Sections 251 and 252(d) of the Act, as well as all applicable state laws. In consideration of CenturyLink's application, we find that should be granted as requested. Existing interconnection agreements that currently contain the Performance Indicator Definitions and Performance Assurance Plan are deemed to be modified to incorporate the requested revisions without the need for further filings for approval.

O R D E R

IT IS THEREFORE ORDERED by the Nebraska Public Service Commission that Qwest Corporation aka CenturyLink QC's request to eliminate the Performance Indicator Definitions and Performance Assurance Plan from its interconnection agreements with Nebraska Competitive Local Exchange Companies be, and is hereby, approved.

IT IS FURTHER ORDERED that all existing interconnection agreements that currently contain the Performance Indicator Definitions and Performance Assurance Plan are deemed to be modified to incorporate the revisions in this Order without the need for further approvals.

ENTERED AND MADE EFFECTIVE at Lincoln, Nebraska, this 16th day of November, 2021.

NEBRASKA PUBLIC SERVICE COMMISSION

COMMISSIONERS CONCURRING:

Rob Johnson
Cystal Sueder
Mary Kyder
Tom Schram

Don Waddell
Chair

ATTEST:

Sharice W. Hutson
Deputy Director

BEFORE THE PUBLIC SERVICE COMMISSION OF WYOMING

IN THE MATTER OF QWEST CORPORATION)
DBA CENTURYLINK QC'S PETITION TO) DOCKET NO. 70000-1737-TA-21
ELIMINATE PERFORMANCE ASSURANCE) (RECORD NO. 15954)
PLAN AND PERFORMANCE INDICATOR)
DEFINITIONS)

ORDER

(Issued February 4, 2022)

1. This matter is before the Wyoming Public Service Commission (Commission) upon the Petition of Qwest Corporation, d/b/a CenturyLink QC (CenturyLink or the Company) requesting authority to eliminate its Performance Assurance Plan (PAP) and Performance Indicator Definitions (PIDs) pursuant to Federal Communications Commission (FCC) guidance, and to update all related Interconnection Agreements accordingly, pursuant to the Federal Telecommunications Act of 1996 (*Petition*).

2. On October 11, 2021, CenturyLink filed its *Petition* seeking Commission approval to amend all of its existing PAP and PIDs. CenturyLink requested the deletion of references to products and network elements that the FCC no longer requires the Company to offer under the ruling establishing the Regional Bell Operating Companies, including CenturyLink. The Company notified affected Competitive Local Exchange Companies and proposed interconnection agreement amendments to change the language in the base agreements. Specifically, CenturyLink requests the Commission:

- a. Approve the Company's request to eliminate Appendices 1 (PIDs) and 2 (PAP) with an effective date of the Commission's Order; and
- b. Deem all existing interconnection agreements that currently contain the PAP and PIDs modified to incorporate these removals, also effective on the date of the Commission's Order, without need for further filings or approvals.

3. The Commission issued an *Order for Public Notice* on November 19, 2021, which provided the public with the opportunity to file statements or other comments on or before December 20, 2021. The notice period expired without the filing of any statements or comments.

4. The Commission considered this matter at its Open Meeting on December 30, 2021. William E. (Tre) Hendricks, Associate General Counsel, and Nancy Tangeman, Wholesale Services Coordinator, appeared on behalf of CenturyLink QC. Mr. Hendricks provided a summary of the *Petition*. Mr. Hendricks explained the company notification list, Attachment 1 of the petition, which identified the Interconnection Agreements requiring modification. Commission Staff recommended its approval with an attached list of all affected Interconnection Agreements removing PAP and PIDs, record, as well as a copy of the eliminated exhibits, for approval by the Commission. Based on the *Petition*, representations by CenturyLink and the analysis and recommendations of Commission Staff, the Commission finds CenturyLink's *Petition* should be granted as conditioned as recommended by Commission Staff.

IT IS THEREFORE ORDERED:

1. Pursuant to Open Meeting action taken on December 30, 2021, the Petition of Qwest Corporation d/b/a CenturyLink QC requesting authority to eliminate its Performance Assurance Plan and Performance Indicator Definitions, is approved.
2. The existing Interconnection Agreements between Qwest Corporation dba CenturyLink QC and the Competitive Local Exchange Carriers listed below are hereby modified to eliminate the Performance Assurance Plan (“Exhibit K”) and the Performance Indicator Definitions (“Exhibit B”) appended hereto as Attachments 1 and 2, respectively.

ACN Communication Services Inc.
Advanced Communications Technology Inc.
Airus, Inc.
All West Communication Inc.
All West – Utah Inc
AT&T Corporation
Bandwidth Inc. fka Bandwidth.com (fL VLT) Bandwidth.com Inc.
BCN Telecom Inc.
Big River Telephone Company LLC
Bresnan Broadband of Wyoming LLC
Bresnan Broadband of Colorado LLC
Bresnan Broadband of Montana LLC
Bresnan Communications LLC
Broadview Networks Inc.
Broadvox-CLEC LLC
Broadvox Distribution LLC
Bullseye Telecom Inc.
Cebridge Telecom NM, LLC dba Suddenlink Communications
CenturyLink – Wholesale Markets
CenturyLink Communications, LLC (fka Qwest Communications Corporation)
CenturyLink Communications LLC (QCC)
CenturyTel Fiber Company II LLC
Charter Fiberlink- Nebraska LLC
Charter Communications Holding Company LLC
Charter Fiberlink CCO LLC
Charter Oregon CCVII LLC
Charter Fiberlink Washington -CCVII LLC
Comcast Phone of Arizona LLC
Comcast Phone of Utah LLC
Comcast Phone of Colorado LLC

Comcast Phone of Iowa, LLC
Comcast Phone of Nebraska, LLC
Comcast Phone of Washington LLC
Comcast Phone of Idaho, LLC
Comcast Phone of New Mexico LLC
Comcast Phone of Oregon LLC
Comcast Phone of Minnesota LLC
CommandLink LLC
Contact Communications Inc.
Covista Inc.
Dept. of Commerce
dishNET Wireline, LLC
eAccelleration Corp.
Earthlink Business, LLC.
Easton Telecom Services LLC
Entelegent Solutions Inc.
Ericsson Services Inc.
Falcon Broadband Inc.
First Communications LLC
FUTARIS INC
GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka DIECA Communications, Inc. dba Covad Communications Company)]
GC Pivotal, LLC dba Global Capacity [fka MegaPath Corporation (fka Covad Communications Company)] Global Capacity Group Inc.
Global Crossing Local Services Inc.
Global Crossing Telemanagement Inc.
Global Crossing Telecommunications Inc
Grande Communications Networks Inc
Granite Telecommunications LLC
Greenfly Networks Inc.
Illuminet
Iloka Inc.
Impact Telecom LLC
InTTec Inc.
Ionex Communications North Inc.
Ionex Communications North, Inc. dba Birch Communications (fka Ernest Communications, Inc.)
Ionex Communications North, Inc. dba Birch Communications (fka Lightyear Network Solutions, LLC)
Level 3 Communications LLC

Matrix Telecom, LLC. dba Excel Telecommunications (fka Comtel)
Comtel Telecom Assets LP (dba Excel Telecomm.)
Matrix Telecom, LLC. dba Matrix Business Technologies dba Trinsic
Communications Matrix Telecom Inc.
Matrix Telecom, LLC. dba VarTec Telecom (fka Comtel)
Comtel Telecom Assets LP
MCImetro Access Transmission Services LLC Verizon Business Network Services Inc.
McLeod USA Telecommunications Services LLC
MegaPath Cloud Company, LLC
Metropolitan Telecommunications of Montana Inc.
Metropolitan Telecommunications of Utah Inc.
Metropolitan Telecommunications of New Mexico Inc
Metropolitan Telecommunications of Colorado Inc
Metropolitan Telecommunications of Iowa Inc
Metropolitan Telecommunications of Idaho Inc
Metropolitan Telecommunications of Nebraska Inc
Metropolitan Telecommunications of Oregon Inc
Metropolitan Telecommunications of Washington Inc
Metropolitan Telecommunications of Minnesota Inc
Metropolitan Telecommunications of Arizona Inc
Metropolitan Telecommunications of North Dakota Inc
Metropolitan Telecommunications of South Dakota Inc
Metropolitan Telecommunications of Wyoming Inc
Multiband Communications LLC.
Blackfoot Communications Inc. (fka Montana Wireless, Inc.)
Blackfoot Communications Inc
NetTalk.Com Inc.
Neustar Inc.
Neutral Tandem-Arizona, LLC
Neutral Tandem-Nebraska, LLC
Neutral Tandem-Wyoming LLC
Inteliquent, Inc.
Neutral Tandem-Colorado, LLC
Neutral Tandem- North Dakota, LLC
Neutral Tandem- Minnesota, LLC
Neutral Tandem- Montana, LLC
Neutral Tandem- Utah, LLC
Neutral Tandem- Idaho, LLC
Neutral Tandem- New Mexico, LLC
Neutral Tandem- Washington, LLC

Neutral Tandem- Iowa, LLC
Neutral Tandem- South Dakota, LLC
Neutral Tandem- Oregon, LLC
NHC Communications, Inc.
New Horizons Communications Corporation
NISC
Northland Communications, Inc
NOS Communications Inc.
Onvoy Inc.
Orbitcom Inc.
Peak Communications
Pipertel Communications LLC
Prime Time Ventures LLC dba Infostructure
Primus Telecommunications Canada Inc
QuantumShift Communications Inc.
Sierra Communications Inc.
Sierra Communications
Silver Star Telephone Company Inc.
Spectrotel Inc.
Sprint Communications Company L.P.
Talk America Inc.
Talk America, LLC
TDS Broadband Service LLC
Teleport Communications America, LLC (fka TC Systems, Inc.)
TeleQuality Communications Inc.
Test – Qwest CenturyLink Customer
Test Customer
TNCI Operating Company LLC
Tri Tel Inc
USTel
Utility Telephone Inc
Virtual Network Solutions Inc
Vision Net Inc.
West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC)
(fka KMS Telecom V, Inc.)
West Telecom Services, LLC fka Hypercube Telecom LLC (fka KMC Data, LLC)
Hypercube Telecom, LLC
KMC Data LLC
West Telecom Services, LLC (fka Hypercube Telecom, LLC)
Wholesale Carrier Services Inc.

WideVoice Communications Inc.
Wide Voice, LLC
Windstream NuVox Inc.
Windstream NuVox, LLC
WTI Communications Inc.
XO Communications Services LLC
YMax Communications Corp.
Zayo Group, LLC
iNETWORKS Group Inc.
Navigator Telecommunications LLC
South Central Utah Telephone Association Inc.
StarGate Communications
Vantage Point Solutions
Ygnition Networks Inc.

3. This *Order* is effective immediately.

MADE and ENTERED at Cheyenne, Wyoming, on February 4, 2022.

PUBLIC SERVICE COMMISSION OF WYOMING



CHRISTOPHER B. PETRIE, Chairman

MICHAEL M. ROBINSON, Deputy Chairman

MARY A. THRONE, Commissioner

(SEAL)

Attest:

WESLEY G. NEUMAN, Assistant Secretary

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

1.0 Introduction

1.1 As set forth in this Agreement, Qwest Corporation dba CenturyLink QC (“CenturyLink QC”) and CLEC voluntarily agree to the terms of the following Performance Assurance Plan (“PAP” or “Plan”), prepared in conjunction with Qwest’s application for approval under Section 271 of the Telecommunications Act of 1996 (the “Act”) and subsequently modified in order FCC 19-72, a Memorandum Opinion and Order in WC Docket 18-141 (the “UNE Analog Loop and Resale Forbearance Order”), to offer in-region, interLATA service and as subsequently modified in accordance with the orders issued by the state commission (“Commission”) with statutory authority over telecommunications.

2.0 Plan Structure

2.1 The PAP is a remedy payment and performance-monitoring plan. CenturyLink QC shall be subject to self-executing payments to CLEC for submeasurements, that are designated as “payment eligible” in Section 3.0 and that have parity or benchmark standards, as identified in Interconnection Agreement Exhibit B (Performance Indicator Definitions or “PIDs”), which generate payments (described in Sections 7.0 and 8.0). For measurements and submeasurements (PIDs) that are designated as “diagnostic” in Section 3.0, CenturyLink QC will report their performance results for monitoring purposes.

3.0 Performance Measurements

3.1 Payment-Eligible PIDs and Submeasurements. The performance measurements and submeasurements that are eligible to trigger payments under the PAP and are thus subject to the PAP payment mechanisms are the following:

3.1.1 Payment-Eligible PIDs:

- PO-5 Firm Order Confirmations (FOCs) on Time
- OP-3 Installation Commitments Met
- OP-4 Installation Interval
- OP-5 New Service Installation Quality
- OP-8 Number Portability Timeliness
- MR-5 All Troubles Cleared w/in 4 Hours
- MR-6 Mean Time to Restore
- MR-7 Repair Repeat Report Rate
- MR-8 Trouble Rate

3.1.2 Payment-Eligible Submeasurements (Products or Services):

- EEL DS1
- LIS Trunks
- 2-Wire Non-Loaded Loops
- Existing Analog Loops ^{NOTE 1}
- DS1 Loops

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EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

- Sub-Loops – Non-Loaded (includes Existing Analog Loops ^{NOTE 1})
- xDSLi Loops
- ADSL Loops
- Existing Resale Services - Residential ^{NOTE 1}
- LNP (includes Existing Analog Loops ^{NOTE 1})

3.2 Performance Standards. There are two types of standards, “parity” and “benchmark.”

3.2.1 Parity standards apply statistical and other related calculations defined in Sections 4.0 through 8.0 to determine whether reported performance results meet parity standards or trigger payments.

3.2.2 Benchmark standards do not apply statistical methodologies, but instead apply a “stare and compare” approach and other calculations defined in Sections 4.0 through 8.0 to determine whether the reported performance results meet benchmarks or trigger payments.

3.2.3 Where applicable elsewhere in the PAP, this provision modifies other provisions and operates as follows: For any benchmark or non-interval parity performance sub-measure, CenturyLink QC shall apply one allowable miss to a sub-measure disaggregation that otherwise would require 100% performance before the performance is considered as non-conforming to standard (1) if at the CLEC-aggregate level, the performance standard is met or (2) where the CLEC-aggregate performance must be 100% to meet the standard, the CLEC-aggregate performance is conforming after applying one allowable miss at that level.

3.3 Diagnostic PIDs.

- GA-1 Gateway Availability – LSR (includes former GA-8)
- GA-3 Gateway Availability – Repair (includes former GA-6)
- GA-4 Gateway Availability – ASR
- GA-7 Timely Outage Resolution – Software
- PO-1 Pre-Order / Order Response Times
- PO-2 Electronic Flow Through
- PO-3 LSR Rejection Notice Interval
- PO-9 Timely Jeopardy Notices
- OP-15 Interval for Orders Delayed Past Due Date
- MR-11 LNP Trouble Reports Cleared
- MR-9 Repair Appointments Met ^{NOTE 1}
- BI-2 Invoices Delivered within 10 days
- BI-3 Billing Accuracy – Adjustments for Errors
- BI-4 Billing Completeness
- DB-1b Time to Update Databases – LIDB

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EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

- DB-1c Time to Update Databases – Listings
- NI-1 Trunk Blocking
- CP-2 Collocations Completed

NOTE 1: For product reference see ‘Definition of Terms’ in ‘CTL Amended ICA Exhibit B PID’. Reporting and payment eligible period for these products begin 2/2/20 and end 8/2/22 for specific metric categories in Exhibit B PID Version 10.1.

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

4.0 Statistical Methodology

4.1 For all submeasurements with benchmark standards (“benchmark submeasurements”), as designated in the PIDs, the determination of CenturyLink QC’s conformance with Plan and PID standards will involve comparing performance levels reported for submeasurements against benchmarks established in the PIDs on a “stare-and-compare” basis (i.e., with no additional statistical methodology applied).

4.2 For all submeasurements with parity standards (“parity submeasurements”), as designated in the PIDs, the determination of CenturyLink QC’s conformance with Plan and PID standards will involve comparing statistical z-scores associated with performance levels reported for submeasurements against statistical critical values as defined in Section 5.0. The calculation of z-scores will be based on a statistical test, called the “modified z-test,” as defined in Section 4.4 below, to determine whether a parity condition exists between the results for CenturyLink QC and for CLEC.

4.3 For the purpose of this Section, the CenturyLink QC results will be the CenturyLink QC monthly retail results as specified in the PIDs.

4.4 The modified z-test shall be applicable if the CLEC sample size is greater than 30 for a given submeasurement. The formula for determining parity using the z-test is:

$$Z = \text{DIFF} / \sigma_{\text{DIFF}}$$

Where:

$$\text{DIFF} = M_{\text{CenturyLink QC}} - M_{\text{CLEC}}$$

$$M_{\text{CenturyLink QC}} = \text{CenturyLink QC average or proportion}$$

$$M_{\text{CLEC}} = \text{CLEC average or proportion}$$

$$\sigma_{\text{DIFF}} = \text{square root} [\sigma^2_{\text{CenturyLink QC}} (1/n_{\text{CLEC}} + 1/n_{\text{CenturyLink QC}})]$$

$$\sigma^2_{\text{CenturyLink QC}} = \text{Calculated variance for CenturyLink QC}$$

$$n_{\text{CenturyLink QC}} = \text{number of observations or samples used in CenturyLink QC submeasurement}$$

$$n_{\text{CLEC}} = \text{number of observations or samples used in CLEC submeasurement}$$

In calculating the difference between CenturyLink QC and CLEC performance, the above formula applies when a larger CenturyLink QC value indicates a better level of

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

performance. In cases where a smaller CenturyLink QC value indicates a higher level of performance, the order is reversed, *i.e.*, $M_{CLEC} - M_{CenturyLink\ QC}$.

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CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

4.5 For parity submeasurements for which the number of data points is less than or equal to 30, CenturyLink QC will apply a permutation test to determine statistical significance. For such parity submeasurements reported as percentages, where the number of data points is less than or equal to 30, CenturyLink QC will apply an exact proportions test (a form of permutation testing that applies to metrics reported as percentages).

The permutation test for metrics reported as intervals will be applied to calculate the z statistic using the following logic or an equivalent approach that would yield the same result:

- Calculate the z statistic for the actual arrangement of the data.
- Pool and mix the CLEC and CenturyLink QC data sets.
- Perform the following 1000 times:
 - Randomly subdivide the pooled data sets into two pools, one the same size as the original CLEC data set (n_{CLEC}) and one reflecting the remaining data points, which is equal to the size of the original CenturyLink QC data set or $n_{CenturyLink\ QC}$.
 - Compute and store the z-test score (Z_s) for this sample.
- Count the number of times the z statistic for a permutation of the randomly subdivided data is greater than the actual z statistic.
- Compute the fraction (p-value) of permutations for which the z statistic for the rearranged data is greater than the z statistic for the actual samples.

The exact proportions permutation test for metrics reported as percentages will be applied to calculate the z statistic using the following logic or an equivalent approach that would yield the same result:

- Calculate the combined (CLEC and Retail) percentage result for the metric.
- Identify the possible configurations of Retail metric results and CLEC metric results that could exist in the actual data and yield more extreme differences between CLEC and Retail results, while still yielding the same combined CLEC-Retail result.
- For each such configuration of results that yields a more extreme difference than seen in the actual reported results, calculate the probability of observing that more-extreme result, given the actual combined result.
- Calculate the sum of the probabilities of the more-extreme data configurations. This sum constitutes the p-value that represents the total probability of observing a more extreme difference between CLEC and Retail results than seen in the actual data.

If the resulting p-value is greater than α (alpha), the significance level of the test, the hypothesis of no difference is not rejected, and the test is passed. Alpha = 0.05, except as specified elsewhere herein. For individual month testing for performance measurements

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CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

involving LIS trunks and DS-1s that are Unbundled Loops (performance measurements: OP-3D/E, OP-4D/E, OP-5, MR-5A/B, MR-7D/E, and MR-8) with sample sizes of 1-10,

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EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

alpha = 0 .15. When submeasurements disaggregate to zone 1 and zone 2, the CLEC volumes in both zones shall be combined for purposes of statistical testing.

5.0 Critical Z-Value

5.1 The following table shall be used to determine the critical z-value for any submeasurements when the CLEC sample size is greater than 30. It is based on the monthly business volume of the CLEC for the particular performance submeasurements for which statistical testing is being performed.

TABLE 1: CRITICAL Z-VALUE

CLEC volume (Sample size)	Critical Z-Value
31-150	1.645
151-300	2.0
301-600	2.7
601-3000	3.7
3001 and above	4.3

5.2 When the CLEC sample size is greater than 30, CenturyLink QC’s performance to a CLEC for a relevant parity submeasurement will be considered to be “in parity” in a month when the z-score calculated pursuant to Section 4.4 is equal to or less than the appropriate critical z-value identified in Section 5.1, Table 1, except as allowed in Section 3.2.3.

6.0 Non-Conformance Definitions and Payment

6.1 Each month’s reported performance results for payment-eligible submeasurements will be evaluated to determine whether established standards (benchmark or parity) have not been met.

6.2 Based on the evaluation completed pursuant to Section 6.1 above for the current and prior two months, levels of non-conformance will be determined according to the following definitions, for a given submeasurement:

- **Level 3** Non-Conformance exists for any month in which CenturyLink QC fails to meet the established standard to the extent defined for a Level 3 non-conformance in Section 6.3, Table 2, below.
- **Level 2** Non-Conformance exists for any month, in which a Level 3 non-conformance is not found, that fails to meet the established standard for two consecutive months, each to the extent defined for Level 2 in Section 6.3, Table 2, below.
- **Level 1** Non-Conformance exists for any month, in which a Level 2 or Level 3 non-conformance is not found, that fails to meet the established standard for

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EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

three or more consecutive months, each to the extent defined for Level 1 or Level 2 in Section 6.3, Table 2, below.

6.3 Levels 1, 2, and 3 non-conformance are determined according to the difference (“D_P” or “D_B”, as defined in Table 2 and as calculated in 6.3.1 below) between the reported submeasurement performance level provided to CLEC and the established standard.

TABLE 2

PARITY STANDARDS	
Difference from Standard	Level
$0 < D_P < 0.5$	Level 1
$0.5 \leq D_P < 2$	Level 2
$ D_P \geq 2$	Level 3
BENCHMARKS as PROPORTIONS	
Difference from Standard	Level
$0 < D_B < 5$	Level 1
$5 \leq D_B < 15$	Level 2
$D_B \geq 15$	Level 3
BENCHMARKS as MEANS or AVERAGES	
Difference from Standard	Level
$0 < D_B < 25$	Level 1
$25 \leq D_B < 50$	Level 2
$D_B \geq 50$	Level 3

6.3.1 The difference, “D_P” or “D_B,” is calculated as follows for a given submeasurement:

For PIDs with Parity Standards, and given Z^T (the z-score as calculated per Section 4.0):

$$D_P = \frac{R - C}{S}$$

where **R** is CenturyLink QC’s performance level (mean, proportion, or rate) provided for the retail comparative product or service; **C** is CenturyLink QC’s performance level delivered to CLEC; and **S** is the calculated statistical standard deviation corresponding to Z^T calculated for this comparison (and **S**

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

is the same as “ $\sigma_{\text{CenturyLink QC}}$,” as found in Section 4.4 above). Thus, D_P reflects the difference between CenturyLink QC and CLEC performance

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

levels, in terms of the number of standard deviations (expressed in the same units of measure – i.e., time intervals or percentage points – as the performance results used in the above formula) that this difference represents.

This calculation assumes that higher values of **R** and **C** mean better service (“higher is better”). For submeasurements where higher values mean worse service, the subtraction in the numerator is reversed. In other words, where higher is better, the numerator should be positive when the performance delivered to CLEC is worse than the performance provided for the retail comparative.

For PIDs with Benchmark Standards:

$$D_B = \frac{C - B}{B}$$

where **C** is CenturyLink QC’s performance level (mean, proportion, or rate) delivered to CLEC, and **B** is the benchmark value established for the submeasurement in the PIDs.

This calculation assumes that higher values of **C** and **B** mean better service. For submeasurements where higher values mean worse service, the subtraction in the numerator is reversed. In other words, the numerator should be positive when the performance levels delivered to CLEC are worse than the benchmark. Thus, **D_B** reflects the difference between CenturyLink QC and CLEC performance levels, in terms of the number of benchmark increments (expressed in the same units of measure – i.e., time intervals or percentage points – as the performance results used in the above formula) that this difference represents.

6.3.2 The allowances set forth in Section 3.2.3 shall apply, such that submeasurements that qualify for those allowances shall be considered to be conforming to PAP and PID standards.

6.4 Payments to CLEC are triggered only when the reported submeasurement performance level for the month being evaluated has failed to meet its established benchmark or parity standard and is non-conforming at one of the three levels defined in Section 6.2 above. The calculation methodology for payments thus triggered is set forth in Section 7.0 below.

6.5 For all parity submeasurements with sample sizes less than or equal to 30, CenturyLink QC shall calculate and report payments based upon the permutation test or the exact proportions test as set out in Section 4.5.

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

Attachment 1
EXHIBIT K – Redesigned PAP
CENTURYLINK QC’s PERFORMANCE ASSURANCE PLAN

6.6 CenturyLink QC’s performance to a CLEC for a given submeasurement will be considered to be conforming with PAP and PID standards in any month where the CLEC performance result is “better” than or equal to the benchmark or retail comparative performance result as defined in Sections 6.1, after applying allowances, if any, under 3.2.3.

6.7 Where the CLEC performance is “worse” than the retail comparative performance result, parity submeasurements shall rely on the statistical methodology set forth in Sections 4.0 and 5.0 of this Plan, to determine whether the comparison of CLEC and retail comparative constitutes statistical parity.

7.0 Calculation of Payments to CLEC

7.1 Payments to CLEC under the PAP are to be made on a per-occurrence basis. The formulas set forth below shall be used to determine the total number of occurrences upon which CenturyLink QC is required to make payments to CLEC.

For percentage submeasurements, the PAP uses the following formula:

CLEC Occurrences = Absolute value of (CLEC result – standard result)
multiplied by CLEC volume.

For interval submeasurements, the PAP uses the following formula:

CLEC Occurrences = Absolute value of ((CLEC result – standard result)
divided by the standard result), which is then multiplied by CLEC volume.

7.1.1 Standard Result Applicable from January 1, 2014 forward:

7.1.1.1 For a benchmark submeasurement, the “standard result” used in the above formulas is the benchmark set forth in the PIDs.

7.1.1.2 For a parity submeasurement, the “standard result” is a calculation of the performance result (average, mean, or percentage, as applicable) that would yield the critical value set forth in Section 5.0.

7.1.2 Standard Result Applicable from July 1, 2013 through December 31, 2013 *(after which this section 7.1.2 expires and may be removed from PAP)*: For the above formulas, for payment-eligible parity submeasurements, the “standard result” used in the above formulas is the average of the prior six months’ retail performance adjusted by the relevant variance factor in Appendix A, Section A-6.1, Table A-2. For submeasurements with a benchmark, the standard is the benchmark.

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7.2 For interval submeasurements, the number of occurrences shall not exceed the CLEC volume for the particular submeasurement.

7.3 If CenturyLink QC’s performance levels delivered to CLEC falls into one of the non-conformance levels defined in Section 6.0 for a payment-eligible submeasurement, CenturyLink QC shall make a per occurrence payment to CLEC as specified in Table 3 below, subject to further modification by escalation payment increments as set forth in Section 8.0. That payment shall be calculated according to the following formula:

$$\text{Payment} = (\text{Applicable per-occurrence payment amount from Table 3 or from Table 4 if applicable}) \times (\text{number of CLEC Occurrences})$$

TABLE 3: BASE PER OCCURRENCE PAYMENT INCREMENTS

Non-Conformance Level	Per-Occurrence Payment Increments	
	Colorado & Minnesota	Other States
Level 1	\$225.00	\$150.00
Level 2	\$337.50	\$225.00
Level 3	\$450.00	\$300.00

8.0 Calculation of Escalation Payments

8.1 CenturyLink QC’s non-conforming performance for payment-eligible submeasurements shall be subject to escalating per occurrence payments pursuant to Table 4 below.

8.2 Payments for continuous months of non-conforming performance (as defined in Section 6.0) for a particular submeasurement will be made on a per occurrence basis (as defined in Section 7.0) using the dollar amounts specified in Table 4. The dollar amounts escalate depending upon the number of consecutive months for which CenturyLink QC has had non-conforming performance. The dollar amounts specified in Table 4 indicate the total amounts applicable per occurrence for each month with the base or “Month 1” per-occurrence payment increments being those specified in Table 3 of Section 7.0. Payment escalation is capped at Month 12, such that, for continuing non-conformance in Months 13 and beyond, consecutively, the payment amount remains at the level that would apply for Month 12 in accordance with Table 4.

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8.2.1 The escalation of payments for consecutive months of non-conforming service will be matched month for month with de-escalation of payments for every month of conforming service. For example, if CenturyLink QC has four consecutive months at any of the three non-conformance levels, it will make payments that escalate from Month 1 to Month 4 as shown in Table 4. If, in the next month (Month 5), service meets the standard, CenturyLink QC makes no payment. A payment “indicator” de-escalates down from Month 4 to Month 3. If CenturyLink QC service is non-conforming in the following month (Month 6), it will make payment at the Month 3 level of Table 4, because that is where the payment “indicator” moved in Month 5. If CenturyLink QC misses again the following month (Month 7), it will make payments at the Month 4 level. If CenturyLink QC’s performance then meets the applicable standard for Months 8, 9 and 10, the payment level will de-escalate to the Month 1 level. The non-conformance level of the current month’s performance, coupled with the escalation month number, determines the payment increment to be used from Table 4.

TABLE 4: PER-OCCURRENCE PAYMENTS TO CLEC--WITH ESCALATION

Per Occurrence Measurement Group	Consecutive Months of Non-conforming Performance at Any Level				
	Month 1	Month 2	Month 3	Month 4	Each following month after Month 4 add
Colorado and Minnesota					
Level 1	\$225.00	\$250.00	\$500.00	\$600.00	\$100.00
Level 2	\$337.50	\$362.50	\$612.50	\$712.50	\$100.00
Level 3	\$450.00	\$475.00	\$725.00	\$825.00	\$100.00
Other States					
Level 1	\$150.00	\$175.00	\$350.00	\$450.00	\$100.00
Level 2	\$225.00	\$250.00	\$500.00	\$600.00	\$100.00
Level 3	\$300.00	\$325.00	\$650.00	\$750.00	\$100.00

8.3 All of the payments (100%) shall be made only to those CLECs that have opted into the PAP.

9.0 The Special Fund *[Applicable only in Colorado which has a PAP Special Fund]*

9.1 Earlier instances of the PAP established the Special Fund, which contained payments generated by the former Tier 2 provisions of the PAP. CenturyLink QC shall keep the remaining balance of Special Fund moneys in an interest-accruing bank account.

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9.2 Potential uses for this fund include: paying a technical advisor for the Commission’s PAP Revision process; and, if the Commission so decides, paying for additional audits of CenturyLink QC’s performance measurement and reporting, and paying other administrative expenses.

9.3 Upon implementation of the PAP, the Commission shall decide how to use the remainder of this fund. The uses shall be competitively neutral efforts in the telecommunications field that do not benefit CenturyLink QC directly.

10.0 Cap on Total Annual Payments

10.1 There shall be an annual cap on payments for performance under the PAP as follows:

- Arizona \$67 million
- Colorado \$100 million
- Idaho \$40 million
- Iowa \$36 million
- Minnesota \$100 million
- Montana \$22 million
- Nebraska \$25 million
- New Mexico \$39 million
- North Dakota \$13 million
- South Dakota \$10 million
- Utah \$52 million
- Oregon \$48 million
- Washington \$79 million
- Wyoming \$18 million

10.2 The following shall not count toward the annual cap: any penalties imposed by the Commission; any penalties imposed directly by the PAP for failure to report, failure to report timely, or failure to report accurately; any liquidated damages under another Interconnection Agreement; any interest payments; and any damages in an associated action.

10.3 If CenturyLink QC payments equal or exceed the annual cap for two years in a row or equal or exceed 1/3 of the annual cap in a combination of two consecutive months, the Commission shall have the authority to open a proceeding to request CenturyLink QC to explain the non-conforming performance and show that it did not result from CenturyLink QC’s failure to avoid reasonably foreseeable risks.

11.0 Timing and Form of Payment

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11.1 All payments to CLEC shall be made on the last business day of the month following the due date of the performance measurement report for the month for which payment is being made.

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11.1.1 Notwithstanding Section 11.1, for Unbundled DS1-Capable Loops and EELs-DS1, CenturyLink QC shall compare for payment purposes the MR-8 calculated payment amount with the sum of the OP-5 and MR-7 calculated payment amounts, for the same performance data month, to determine whether the MR-8 payment amount or the combined OP-5 and MR-7 payment amount is the larger amount. In the event the two amounts are the same, the MR-8 payment amount will be considered to be the larger payment amount. Based on determination of the larger payment amount, CenturyLink QC shall pay either the MR-8 payment amount or both the OP-5 and MR-7 payment amounts. However, since the performance results for OP-5 and MR-7 are available one month later than the MR-8 performance results for the same performance data month, the applicable payments shall be made on the last business day of the month following the due date of the performance report for OP-5 and MR-7, except as allowed in Section 11.5.

11.2 All payments shall be by credits to CLEC bills. CenturyLink QC shall be allowed, after obtaining the individual agreement of CLEC, to make such payments through the use of electronic fund transfers to CLEC. However, once CenturyLink QC and CLEC agree on a method of payment (e.g., wire transfer or check), CenturyLink QC shall not change the method of payment without the permission of CLEC. CenturyLink QC shall be able to offset payments to CLEC with a bill credit applied against any non-disputed charges that are more than 90 days past due.

11.3 CenturyLink QC shall provide monthly payment information at the same time that the performance reports are due. Monthly payment information shall include the payment calculations.

11.3.1 Notwithstanding Section 11.3, for Unbundled DS1-Capable Loops and EELs-DS1, CenturyLink QC shall provide the MR-8 monthly payment information at the same time that the payment information for OP-5 and MR-7 for the same performance data month is due, to allow for the applicable payment determinations for MR-8, OP-5, and MR-7 as stated in Section 11.1.1 above, except as allowed in Section 11.5.

11.4 In the case of late payments and underpayments, CenturyLink QC shall pay interest to CLEC calculated at the current Commission-prescribed customer deposit rate on the amount in question (*i.e., as of May 24, 2013, for Arizona, Colorado, Idaho, Minnesota, New Mexico, North Dakota, Oregon, Washington, and Wyoming*) or, in the absence of a current Commission-prescribed customer deposit rate (*i.e., as of May 24, 2013 for Iowa, Montana, Nebraska, South Dakota, and Utah*), at the U.S. Treasury rate in place at the beginning of the current calendar year. Should CenturyLink QC demonstrate to the relevant CLEC that it overpaid, it shall be able to deduct from future payments in any state in which CLEC has opted into a CenturyLink QC PAP any past overpayment, along with interest calculated at the aforementioned rate for the amount in question.

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11.5 CenturyLink QC may petition the Commission for credits to PAP payments for the recovery of prior PAP payments made, which have been determined to be unnecessary and unjustified by the Commission. Any such request shall only seek recovery of payments made within the prior twelve consecutive months from the date of the petition.

12.0 Reporting

12.1 CenturyLink QC will provide the Commission and CLECs opting into the PAP with a monthly report of CenturyLink QC’s performance for the payment-eligible PIDs. These reports shall contain any carry-over payment amounts and calculations as well as the current month’s information. CenturyLink QC will collect, analyze, and report performance data for these PID measurements. CenturyLink QC will store such data in easy-to-access electronic form for one year after they have been produced and for an additional two years in an archived format. Any failure to follow these requirements shall be treated as a violation of the PAP integrity requirements discussed in Section 16.4.

12.2 On or before the last business day of each month following the relevant performance or payment period, CenturyLink QC shall post the individual CLEC monthly performance (for payment-eligible and diagnostic PIDs) and payment reports (for payment-eligible PIDs) to a secure part of the PAP website and the aggregate state performance and payment reports to the public part of the PAP website. In addition, CenturyLink QC must officially file with the Commission, one electronic copy in an Excel format, of all CLEC individual monthly reports under seal and one electronic copy in an Excel format of the state aggregate report in the public file. If CLEC requests hard copies of its individual reports, CenturyLink QC should make those hard copies available at no cost to CLEC.

12.3 In the case of late reporting, CenturyLink QC shall make a payment to the state general fund or the equivalent (as directed by the Commission) of \$500 per calendar day for each day the report is late. This amount represents the total payment for missing a reporting deadline, rather than a payment per report and does not count against the cap described in Section 10.1. This payment shall begin on the report due date and continue until the report is actually distributed.

12.4 If any inaccurate reporting is revealed by an audit, CenturyLink QC shall make any payments due to the CLEC as a result of the inaccurate reporting plus an additional payment of 25% of the amount due as a result of the underpayment.

12.5 In addition to the Section 12.4 payment, if as a result of an inaccurate report, any bill over \$25,000 is adjusted upwards by 25% or more, CenturyLink QC shall also incur a late reporting payment as set forth in Section 12.3. This payment shall begin on the report due date and shall continue until the day the discrepancy is resolved.

12.6 If a discrepancy is revealed solely by CenturyLink QC, and CenturyLink QC self-corrects the discrepancy prior to the monthly payment being due, no additional liability shall

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be assessed. If CenturyLink QC self-corrects the erroneous reports before an audit on the relevant measurements in question begins but after the relevant payment is made, it shall

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be responsible for paying the additional amount owed due to the non-conforming performance as well as interest on this amount at the rate set forth in Section 11.4.

12.7 If a discrepancy is revealed by a CenturyLink QC-CLEC data reconciliation process or any other inquiry, CenturyLink QC shall pay the additional amount owed as well as interest on any late additional amount at the rate set forth in Section 11.4.

12.8 If a CenturyLink QC-CLEC data reconciliation process forces CenturyLink QC to adjust its payment upwards three months in a row, CenturyLink QC must pay the additional amount and an additional penalty to CLEC as if the discrepancy had been revealed by an audit (see Section 13.7) for that third month and for each consecutive month that the CLEC reveals additional payments via data reconciliation.

12.9 If a CenturyLink QC-CLEC data reconciliation process forces CenturyLink QC to adjust its payment upward five times in a calendar year, CenturyLink QC must pay the additional amount and an additional penalty to CLEC as if the discrepancy had been revealed by an audit for that fifth month and for all other months in that calendar year that the CLEC reveals additional payments via data reconciliation.

13.0 Audits of Performance Results

13.1 CenturyLink QC shall carefully document any and all changes that CenturyLink QC makes to the Performance Measurement and Reporting System. A summary of this change log shall be displayed on a public website dedicated to PAPs. Details shall be made available in a timely manner upon request. The Performance Measurement and Reporting System is defined to include at least: elements of CenturyLink QC’s Regulatory Reporting System that constitute the data collection programs (*i.e.*, the software code used by CenturyLink QC to determine which data fields are used and how they are used), the underlying data extracted by the data collection programs and data reference tables (*e.g.*, USOC tables, wire center tables, *etc.*, used in the calculation of measurements), the data staging programs (programming code used to organize and consolidate the data), the calculation programming (the code used to implement the formula defined for a measurement), and the report generation programs (including the report format and report file creation). This change log shall contain, at a minimum, a detailed description of the change (in plain English); the effects of the change, the reason for the change, the dates of notification and of implementation, and whether the change received Commission approval.

13.2 CenturyLink QC shall be allowed to change management processes that improve accuracy or that improve efficiency without sacrificing accuracy of submeasurement results. These changes are at CenturyLink QC’s discretion, but also may be subject to other requirements, as applicable, that address change management in the Interconnection Agreement. Omitted or inaccurate changes shall result in CenturyLink QC being required to pay a \$2,500 fine, plus interest at the rate set forth in Section 11.4, accrued from the time the change took effect. The payment of this fine shall go to the state general fund or

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equivalent (as directed by the Commission), and such payment does not count against the annual cap described in Section 10.1.

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When making any changes to the Performance Measurement and Reporting System in a manner whereby the relevant data cannot be reconstructed under the prior approach, CenturyLink QC shall record the change to the change log and notify CLECs that have interconnection agreements opting into the PAP.

13.3 As part of the data reconciliation process (see Section 13.4 below), CLEC shall have the right to request access to the raw, excluded data and business rules or other basis relied upon by CenturyLink QC to exclude the data from the most recent month’s report. The records and data must be turned over, in a mutually-agreeable format within two weeks of the request.

13.4 CLEC may request a mini-audit of the performance measurement results covering CenturyLink QC’s performance to CLEC for any payment-eligible and diagnostic submeasurements. However, a CLEC will not be allowed to commence such an audit unless and until (1) CLEC has requested access to the raw data and business rules and attempted to meet with CenturyLink QC to attempt data reconciliation for any discrepancies by presenting its own version of the data calculation and comparing it to CenturyLink QC’s to demonstrate the areas in which CenturyLink QC allegedly erred, and (2) CenturyLink QC and CLEC are unable to reach agreement about any alleged discrepancy through the CenturyLink QC-CLEC data reconciliation process. CenturyLink QC must provide the necessary expertise and work in good faith to attempt to answer CLEC concerns. CenturyLink QC’s experts must be available for requested meetings to take place within 10 business days of the CLEC request, but CenturyLink QC may attempt to resolve the issue over the phone or via email before holding a face-to-face meeting.

13.5 Upon CLEC request, data files of the CLEC raw data, or any subset thereof, and business rules or other basis used to generate the reports as part of the data reconciliation process will be transmitted, without charge, to CLEC, within two weeks of the request, in a mutually acceptable format, protocol, and transmission medium.

13.6 The scope of the mini-audit allowed under this PAP is limited to the relevant payment-eligible and diagnostic submeasurements that were the subject of and determined to be suspect, through the CenturyLink QC-CLEC data reconciliation process.

13.7 The mini-audit shall be conducted by a qualified independent Auditor (i.e., an auditor that has experience with multiple, prior performance measurement audits in the telecommunications industry) selected by CenturyLink QC and agreed upon by CLEC. CLEC shall pay the Auditor’s fees and expenses, and CLEC and CenturyLink QC shall bear their own costs. If a mini-audit identifies a non-conformance that materially affects the results (material being defined as a deficiency that requires an additional payment of at least 10% more than the total amount paid on the submeasurements examined by the mini-audit) by CenturyLink QC, CenturyLink QC shall pay the Auditor’s fees and expenses. In addition, CenturyLink QC shall resolve the identified problems and shall pay any applicable

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payments under the late payment provisions. CenturyLink QC shall also pay other CLECs any appropriate payments and penalties based on problems uncovered in the mini-audit. If

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the Auditor does not identify any non-conformance, CLEC shall not be allowed to request another mini-audit during the six months after the initial mini-audit request; however, CLEC is nevertheless permitted to request CenturyLink QC-CLEC data reconciliation during that time.

13.8 If CLEC proves to the Commission via the dispute resolution process that CenturyLink QC did not work in good faith to resolve the issues prior to the initiation of a mini-audit, the Commission can shift the Auditor’s fees and expenses to CenturyLink QC, and the six-month moratorium on mini-audits shall then be waived.

13.9 *[Applicable to Colorado only, to the extent the Special Fund has a sufficient remaining balance]* The Commission reserves the right to choose to conduct an audit itself, with the assistance of an outside Auditor if it chooses. Such an audit shall be paid for through the Special Fund. If the audit reveals any material non-conformance (as defined above) in CenturyLink QC’s performance reporting, CenturyLink QC shall reimburse the costs of the audit and, where appropriate, shall make applicable payments to CLECs or Special Fund as described above.

14.0 Waiver of Payments

14.1 CenturyLink QC may seek a waiver of the obligation to make payments pursuant to this PAP by seeking an exception on any of the following grounds:

- (1) *Force majeure*, as defined in SGAT Section 5.7 (as to benchmark standards and parity submeasurements).
- (2) A work stoppage (as to benchmark standards and parity submeasurements).
- (3) An act or omission by CLEC that is in bad faith and designed to “game” the payment process; or
- (4) A material failure by CLEC to follow the applicable business rules.

14.2 Such waiver will be sought by CenturyLink QC by petitioning the Commission and providing notice to all CLECs operating in the state.

14.2.1 Prior to petitioning the Commission for a waiver, CenturyLink QC shall provide notice to all affected CLECs and Commission Staff of its intent to seek such waiver.

14.2.2 Within ten days of such notice, CLEC(s) must respond and indicate whether it opposes such waiver request, and if it does oppose, provide a general statement of the basis for such opposition. Within twenty days of such notice, Commission Staff must respond and indicate whether it opposes such waiver request, and if it does

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oppose, provide a general statement of the basis for such opposition. If CLEC opposes such request, prior to seeking Commission approval, CenturyLink QC and

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CLEC will use the dispute resolution process set forth in Section 16.0 as the procedure for resolving the issues.

14.2.3 After receipt of the responses and use of the dispute resolution process, if necessary, under Section 14.2.2, CenturyLink QC may file a petition with the Commission requesting a waiver. CenturyLink QC may indicate in its petition its understanding of the extent of opposition to its request based on the responses provided under Section 14.2.2 and/or the outcome of the dispute resolution process. Any waiver request must contain an explanation of the circumstances that justify the waiver, and any and all relevant documentation relied upon to support the request. To establish that the circumstances warrant granting of a requested waiver, CenturyLink QC must show the existence of those circumstances by a preponderance of the evidence. For any such action, CenturyLink QC shall be required to pay the disputed credits or place the disputed amount of money into an interest-bearing escrow account until the matter is resolved.

15.0 Limitations

15.1 CenturyLink QC’s agreement to implement these enforcement terms, and specifically its agreement to make any payments hereunder, will not be considered as an admission against interest or an admission of liability in any legal, regulatory, or other proceeding relating in whole or in part to the same performance. CLEC may not use (1) the existence of this enforcement plan or (2) CenturyLink QC’s current, former Tier 1, or former Tier 2 payments as evidence that CenturyLink QC has discriminated in the provision of any facilities or services under Sections 251 or 252 of the Act or has violated any state or federal law or regulation. CenturyLink QC’s conduct underlying its performance measures, however, is not made inadmissible by this SGAT term. By accepting this performance remedy plan, CLEC agrees that CenturyLink QC’s performance with respect to this remedy plan may not be used as an admission of liability or culpability for a violation of any state or federal law or regulation. (Nothing herein is intended to preclude CenturyLink QC from introducing evidence of any payments under these provisions for the purpose of precluding additional payments or offsetting any payments against any other damages or payments a CLEC might recover.) The terms of this paragraph do not apply to any proceeding before the Commission or the FCC to determine whether CenturyLink QC has met, or continues to meet, the requirements of Section 271 of the Act.

15.2 This PAP contains a comprehensive set of performance submeasurements, statistical methodologies, and payment mechanisms that are designed to function together, and only together, as an integrated whole. To elect the PAP, CLEC must adopt the PAP in its entirety, into its interconnection agreement with CenturyLink QC in lieu of other alternative standards or relief, except as stated in Sections 15.3, 15.4, and 15.5.

15.2.1 Subsequent changes to the PAP approved by the Commission will be incorporated into individual interconnection agreements that contain the PAP as

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soon as the effective date of the Commission order, and without further Amendment to those Agreements.

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15.3 In electing the PAP in states in which there exist wholesale service quality rules, CLEC shall surrender any rights to remedies under state wholesale service quality rules (in that regard, this PAP shall constitute an “agreement of the parties” to opt out of those rules) or under any interconnection agreement designed to provide such monetary relief for the same performance issues addressed by the PAP. The PAP shall not limit either non-contractual legal or non-contractual regulatory remedies that may be available to CLEC.

15.4 Payments to CLECs are in the nature of liquidated damages. Before CLEC shall be able to file an action seeking contract damages that flow from an alleged failure to perform in an area specifically measured and regulated by the PAP, CLEC must first seek permission through the Dispute Resolution Process set forth in Section 16.0 to proceed with the action. This permission shall be granted only if CLEC can present a reasonable theory of damages for the non-conforming performance at issue and evidence of real world economic harm that, as applied over the preceding six months, establishes that the actual payments collected for non-conforming performance in the relevant area do not redress the extent of the competitive harm. If CLEC can make this showing, it shall be permitted to proceed with this action. Any damages awarded through this action shall be offset with payments made under this PAP. If the CLEC cannot make this showing, the action shall be barred. To the extent that CLEC’s contract action relates to an area of performance not addressed by the PAP, no such procedural requirement shall apply.

15.5 If for any reason CLEC agreeing to this PAP is awarded compensation for the same harm for which it received payments under the PAP, the court or other adjudicatory body hearing such claim may offset the damages resulting from such claim against payments made for the same harm. Only that relevant finder of fact, and not CenturyLink QC in its discretion, can judge what amount, if any, of PAP payments should be offset from any judgment for a CLEC in a related action.

15.6 The Commission shall have the right to modify this plan in accordance with Section 17.0.

16.0 Dispute Resolution Process

16.1 The dispute resolution process specified in this PAP does not replace or in any way limit, among other things, the processes for resolving interconnection disputes not within the ambit of the PAP.

16.2 The Commission may decide issues arising from for-cause audits and root-cause analyses.

16.2.1 The Parties will attempt in good faith to resolve through negotiation any dispute, claim or controversy arising out of, or relating to, this Agreement. Either Party may give written notice to the other Party of any dispute not resolved in the

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normal course of business. Each Party will within seven (7) Days after delivery of the written notice of dispute, designate a vice-president level employee or a

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representative with authority to make commitments to review, meet, and negotiate, in good faith, to resolve the dispute. The Parties intend that these negotiations be conducted by non-lawyer, business representatives, and the locations, format, frequency, duration, and conclusions of these discussions will be at the discretion of the representatives. By mutual agreement, the representatives may use other procedures to assist in these negotiations. The discussions and correspondence among the representatives for the purposes of these negotiations will be treated as Confidential Information (Confidential Information) developed for purposes of settlement, and will be exempt from discovery and production, and not be admissible in any subsequent proceedings without the concurrence of both Parties.

16.2.2 If the designated representatives have not reached a resolution of the dispute within fifteen (15) Days after the written notice (or such longer period as agreed to in writing by the Parties), then either Party may commence an action which will be brought to the Commission.

16.3 The dispute resolution process envisioned by the PAP provides a means of resolving issues raised by the PAP reports, payment calculations and processes. This process is akin to the dispute resolution processes that might be established in other Interconnection Agreements, except it applies exclusively to the PAP.

16.4 The PAP’s dispute resolution process shall not be resorted to unless and until the problem is raised at the Vice President – Vice President level at least two weeks before a dispute is submitted to the Commission. As part of its request for dispute resolution, the party making the request (“complainant”) must provide a statement including specific facts that the complainant engaged (or attempted to engage) in good faith negotiations to resolve the disagreement, and that, despite these good faith efforts, the parties failed to resolve the issue.

16.5 In all actions before the Commission, the losing party shall pay all relevant attorney’s fees and costs – including monies spent to prove that the problem exists – as determined by the Commission.

17.0 Effective Date, Change Provisions and Termination

17.1 The effective date of the current PAP is February 2, 2020 the date on which the Commission adopts its decision in an order approving it, or the effective date of a new CLEC opting into the PAP in its ICA, whichever date is later.

17.2 If CenturyLink QC or CLEC wishes to modify a PID or a PAP provision, the change must be approved by the Commission. Prior to seeking Commission approval, CenturyLink QC and CLEC will use the dispute resolution process set forth in Section 16.0 as the procedure for resolving the issues. Either CenturyLink or CLEC may submit its proposed modification(s) to the Commission for approval. The Commission will establish a process for providing notice and considering such request, including timelines for interested parties

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or Staff to oppose the request. If the request is unopposed, the Commission may grant such request without a hearing or further notice.

17.2.1 Any party may submit a root cause analysis to the Commission requesting removal of a PID or submeasurement from the PAP. Prior to making such request to the Commission, the party shall provide notice to all affected parties and Commission Staff of its intent to make such request. If the requested removal is contested, CenturyLink QC and CLEC will pursue the dispute resolution procedures of Section 16.0 before seeking a Commission decision on the matter.

17.2.2 If CenturyLink QC or CLEC wishes to submit a root cause analysis to the Commission requesting removal of a PID or submeasurement from the PAP, the removal must be approved by the Commission. The root cause analysis shall address, at a minimum, whether there is evidence of no harm, the same harm as covered by other PID submeasurements, non-CenturyLink QC related causes, or other factors which directly relate to the harm or circumstances specific to the PID or submeasurement being analyzed. The Commission will establish a process for providing notice and considering such request, including timelines for interested parties or Staff to oppose the request. If the request is unopposed, the Commission may grant such request without a hearing or further notice.

17.3 If any agreements on adding, modifying or deleting performance measurements or PAP provisions are reached between CenturyLink QC and CLECs, or if the Commission approves changes to the PAP after notice and hearing, those additions, deletions, or modifications shall be incorporated into the PAP and modify the agreement between CLECs and CenturyLink QC at any time those agreements are submitted to the Commission.

18.0 Voluntary Performance Assurance Plan

18.1 This PAP represents CenturyLink QC’s voluntary offer to provide performance assurance.

Attachment 2



Service Performance Indicator Definitions (PID)

CenturyLink QC

ICA Exhibit B – PID Version 10.1

Attachment 2

QWEST CORPORATION DBA CENTURYLINK QC'S ("CENTURYLINK QC'S") SERVICE PERFORMANCE INDICATOR DEFINITIONS (PID)

PID Version 10.1

Introduction

CenturyLink QC will report performance results for the service performance indicators defined herein. CenturyLink QC will report separate performance results associated with the services it provides to Competitive Local Exchange Carriers (CLECs) in aggregate (except as noted herein), to CLECs individually and, as applicable, to CenturyLink QC's retail customers in aggregate. Within these categories, performance results related to service provisioning and repair will be reported for the products listed in each definition. Reports for CLECs individually will be subject to agreements of confidentiality and/or nondisclosure.

Attachment 2

CenturyLink QC's Service Performance Indicator Definitions

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Electronic Gateway Availability

GA-1 – Gateway Availability – LSR

<p>Purpose: Evaluates the quality of CLEC access to the gateway systems offered by CenturyLink QC for CLECs to submit LSRs and associated systems that facilitate access to the gateway(s), focusing on the extent they are actually available to CLECs.</p>	
<p>Description: GA-1-<Name of LSR Gateway or Associated System> ^{NOTE 1:} Measures the availability of the gateway interfaces through which CLECs process LSRs, and reports the percentage of Scheduled Availability Time the interface is available for view and/or input.</p> <ul style="list-style-type: none"> • Scheduled Up Time hours for preorder, order, and provisioning transactions are based on the currently published hours of availability found on the following website: http://www.centurylink.com/wholesale/cmp/ossHours.html. • Time Gateway is Available to CLECs is equal to Scheduled Availability Time minus Outage Time. • Scheduled Availability Time is equal to Scheduled Up Time minus Scheduled Down Time. • Scheduled Down Time is time identified and communicated that the interface is not available due to maintenance and/or upgrade work. Notification of Scheduled Down Time for routine maintenance and/or upgrade work will be provided no less than 48 hours in advance. • An outage is a critical or serious loss of functionality, attributable to the specified gateway or component affecting CenturyLink QC’s ability to serve its customers. An outage is determined by CenturyLink QC technicians through the use of verifiable data, collected from the affected customer(s) and/or from mechanized event management systems. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate results</p>	<p>Disaggregation Reporting: Region-wide level.</p>
<p>Formula: $\left(\frac{[\text{Number of Hours and Minutes Gateway or system is Available to CLECs During Reporting Period}]}{[\text{Number of Hours and Minutes of Scheduled Availability Time During Reporting Period}]} \right) \times 100$ </p>	
<p>Exclusions: None</p>	
<p>Product Reporting: Reported by gateway or associated system, for each LSR submittal gateway and for each system that facilitates access to the LSR gateway(s), to the extent availability is not counted as part of the LSR-processing gateway(s).</p>	<p>Standard: Diagnostic</p>
<p>Availability: Available (Prior to turn-up of new systems that replace those addressed in this measurement, parties will work together to establish a time frame for reporting and review of the new measure.)</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. Such as “GA-1-IMA-GUI,” “GA-1-XML,” ^{NOTE 2} or “GA-1-SIA,” with other gateways or systems being limited to those that replace these gateways. 2. GA-1-XML replaces the former GA-8 PID.

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GA-3 – Gateway Availability – Repair

Purpose: Evaluates the quality of CLEC access to the gateway interface offered by CenturyLink QC for CLECs to electronically submit repair trouble tickets, focusing on the extent the gateway is actually available to CLECs.	
Description: GA-3-<Name of Repair Gateway> ^{NOTE 1} : Measures the availability of the gateway interface(s) through which CLECs submit repair troubles and reports the percentage of scheduled availability time the interface is available. <ul style="list-style-type: none"> • Scheduled Up Time hours are based on the currently published hours of availability found on the following website: http://www.centurylink.com/wholesale/cmp/ossHours.html. • Time Gateway is Available to CLECs is equal to Scheduled Availability Time minus Outage Time. • Scheduled Availability Time is equal to Scheduled Up Time minus Scheduled Down Time. • Scheduled Down Time is time identified and communicated that the interface is not available due to maintenance and/or upgrade work. Notification of Scheduled Down Time for routine maintenance and/or upgrade work will be provided no less than 48 hours in advance. • An outage is a critical or serious loss of functionality, attributable to the specified gateway or component, affecting CenturyLink QC’s ability to serve its customers. An outage is determined by CenturyLink QC technicians through the use of verifiable data, collected from the affected customer(s) and/or from mechanized event management systems. 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: CLEC aggregate results	Disaggregation Reporting: Region-wide level.
Formula: $\left(\frac{[\text{Number of Hours and Minutes Gateway is Available to CLECs During Reporting Period}]}{[\text{Number of Hours and Minutes of Scheduled Availability During Reporting Period}]} \right) \times 100$	
Exclusions: None	
Product Reporting: Reported by system, for each repair trouble submittal gateway.	Standard: Diagnostic
Availability: Available (Prior to turn-up of new systems that replace those addressed in this measurement, parties will work together to establish a time frame for reporting and review of the new measure.)	<ol style="list-style-type: none"> 1. Notes: Such as “GA-3-EB-TA” or “GA-3-Repair GUI” ^{NOTE 2}, with other gateways or systems being limited to those that replace these gateways. 2. GA-3-Repair GUI replaces the former GA-6-GUI-Repair PID.

Attachment 2

GA-4 – System Availability – ASR

<p>Purpose: Evaluates the quality of CLEC batch access to electronic systems offered by CenturyLink QC for CLECs to submit ASRs, focusing on the extent the systems are actually available to CLECs.</p>	
<p>Description: GA-4-<Name of ASR-processing System> ^{NOTE 1:} Measures the availability of the electronic ASR submittal system and reports the percentage of scheduled availability time the system is available.</p> <ul style="list-style-type: none"> • Scheduled Up Time hours are based on the currently published hours of availability found on the following website: http://www.centurylink.com/wholesale/cmp/ossHours.html. • Time System is Available to CLECs is equal to Scheduled Availability Time minus Outage Time. • Scheduled Availability Time is equal to Scheduled Up Time minus Scheduled Down Time. • Scheduled Down Time is time identified and communicated that the system is not available due to maintenance and/or upgrade work. Notification of Scheduled Down Time for routine maintenance and/or upgrade work will be provided no less than 48 hours in advance. • An outage is a critical or serious loss of functionality, attributable to the specified gateway or component, affecting CenturyLink QC’s ability to serve its customers. An outage is determined by CenturyLink QC technicians through the use of verifiable data, collected from the affected customer(s) and/or from mechanized event management systems. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate results</p>	<p>Disaggregation Reporting: Region-wide level.</p>
<p>Formula: $\left(\frac{[\text{Number of Hours and Minutes EXACT is Available to CLECs During Reporting Period}]}{[\text{Number of Hours and Minutes of Scheduled Availability During Reporting Period}]} \right) \times 100$ </p>	
<p>Exclusions: None</p>	
<p>Product Reporting: Reported by system, for each ASR submittal gateway.</p>	<p>Standard: Diagnostic</p>
<p>Availability: Available (Prior to turn-up of new systems that replace those addressed in this measurement, parties will work together to establish a time frame for reporting and review of the new measure.)</p>	<p>Notes: 1. Such as “GA-4-EXACT,” with other gateways or systems being limited to those that replace this system.</p>

Attachment 2

GA-7 – Timely Outage Resolution following Software Releases

<p>Purpose: Measures the timeliness of resolution of gateway or system outages attributable to software releases for specified OSS interfaces, focusing on CLEC-affecting software releases involving the specified gateways or systems.</p>	
<p>Description: Measures the percentage of gateway or system outages, which are attributable to OSS system software releases and which occur within two weeks after the implementation of the OSS system software releases, that are resolved ^{NOTE 1} within 48 hours of detection by the CenturyLink QC monitoring group or reporting by a CLEC/co-provider.</p> <ul style="list-style-type: none"> • Includes software releases associated with the following OSS interfaces in CenturyLink QC: LSR-processing gateway(s), repair trouble report-processing gateway(s), and ASR-processing system(s) or gateway(s).^{NOTE 2} • An outage for this measurement is a critical or serious loss of functionality, attributable to the specified gateway or component, affecting CenturyLink QC’s ability to serve its customers or data loss ^{NOTE 3} on the CenturyLink QC side of the interface. An outage is determined by CenturyLink QC technicians through the use of verifiable data, collected from the affected customer(s) and/or from mechanized event management systems. • The outage resolution time interval considered in this measurement starts at the time CenturyLink QC’s monitoring group detects a failure, or at the date/time of the first transaction sent to CenturyLink QC that cannot be processed (i.e. lost data), and ends with the time functionality is restored or the lost data is recovered. 	
<p>Reporting Period: Monthly</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC Aggregate</p>	<p>Disaggregation Reporting: Region-wide level.</p>
<p>Formula: $\left[\frac{\text{Total outages detected within two weeks of a Software Release that are resolved within 48 hours of the time CenturyLink QC detects the outage}}{\text{Total number of outages detected within two weeks of Software Releases resolved in the Reporting Period}} \right] \times 100$ </p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Outages in releases prior to any CLEC migrating to the release. • Duplicate reports attributable to the same software defect. 	
<p>Product Reporting: None</p>	<p>Standards: Diagnostic</p>
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. “Resolved” means that service is restored to the reporting CLEC, as experienced by the CLEC. 2. Such as, “IMA-GUI,” “IMA-XML,” “CEMR,” “EXACT,” and “EB-TA,” with other gateways or systems being limited to those that replace these gateways/systems. 3. For data loss to be considered for GA-7, a functional acknowledgement must have been provided for the data in question (e.g., LSR ID or trouble ticket number).

Pre-Order/Order

PO-1 – Pre-Order/Order Response Times

<p>Purpose: Evaluates the timeliness of responses to specific preordering/ordering queries for CLECs through the use of CenturyLink QC's Operational Support Systems (OSS). CenturyLink QC's OSS are accessed through the specified gateway interface.</p>	
<p>Description: PO-1-<Gateway Type> ^{NOTE 1:} Measures the time interval between query and response for specified pre-order/order transactions through the electronic interface.</p> <ul style="list-style-type: none"> • Measurements are made using a system that simulates the transactions of requesting pre-ordering/ordering information from the underlying existing OSS. These simulated transactions are made through the operational production interfaces and existing systems in a manner that reflects, in a statistically-valid manner, the transaction response times experienced by CLEC service representatives in the reporting period. • The time interval between query and response consists of the period from the time the transaction request was "sent" to the time it is "received" via the gateway interface. • A query is an individual request for the specified type of information. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Seconds</p>
<p>Reporting Comparisons: CLEC aggregate.</p>	<p>Disaggregation Reporting: Region-wide level. Results are reported by gateway type</p> <p>Results are reported separately for each of the following transaction types, to the extent they are offered through the gateway type: ^{NOTES 2, 3, & 4}</p> <ol style="list-style-type: none"> 1. Appointment Scheduling (Due Date Reservation, where appointment is required) 2. Service Availability Information 3. Facility Availability 4. Street Address Validation 5. Customer Service Records 6. Telephone Number 7. Loop Qualification Tools 8. [Left intentionally blank to preserve numbering] 9. Connecting Facility Assignment 10. Meet Point Inquiry <p>Where available through the gateway type, in addition to reporting total response time, response times for each of the above transactions will be reported in two parts: (a) time to access the request screen, and (b) time to receive the response for the specified transaction. For above transaction number 6, Telephone Number, a third part (c) accept screen, will be reported, where available from the gateway type. Otherwise, request/response will be reported as a combined number.</p>

PO-1 – Pre-Order/Order Response Times (continued)

<p>Formula: $\Sigma[(\text{Query Response Date \& Time}) - (\text{Query Submission Date \& Time})] \div (\text{Number of Queries Submitted in Reporting Period})$</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Rejected requests/errors, and timed out transactions 	
<p>Product Reporting: None</p>	<p>Standards: Diagnostic</p>
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. Such as “PO-1-XML” or “PO-1-IMA GUI.” 2. As additional transactions, currently done manually, are mechanized, they will be measured and added to or included in the above list of transactions, as applicable. 3. Results based on a weighted combination of mechanized system tools used in providing the response(s), as applicable, such as ADSL Loop Qualification and Raw Loop Data Tool. 4. In the event that a measured gateway type is replaced and a specified transaction type is not conducive to measurement via simulated transactions (as defined under “Description” above), interested parties will work together to determine whether and how such transaction(s) can and should be measured.

PO-2 – Electronic Flow-through

<p>Purpose: Monitors the extent CenturyLink QC's processing of CLEC Local Service Requests (LSRs) is completely electronic, focusing on the degree that electronically-transmitted LSRs flow directly to the service order processor without human intervention or without manual retyping.</p>	
<p>Description: PO-2A - Measures the percentage of all electronic LSRs that flow from the specified electronic gateway interface to the service order processor (SOP) without any human intervention.</p> <ul style="list-style-type: none"> Includes all LSRs that are submitted electronically during the reporting period, subject to exclusions specified below. <p>PO-2B – Measures the percentage of all flow-through-eligible LSRs ^{NOTE 1} that flow from the specified electronic gateway interface to the SOP without any human intervention.</p> <ul style="list-style-type: none"> Includes all flow-through-eligible LSRs that are submitted electronically during the reporting period, subject to exclusions specified below. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC</p>	<p>Disaggregation Reporting: Statewide level (per multi-state system serving the state).</p>
<p>Formula: PO-2A = $[(\text{Number of Electronic LSRs that pass from the Gateway Interface to the SOP without human intervention}) \div (\text{Total Number of Electronic LSRs that pass through the Gateway Interface})] \times 100$</p> <p>PO-2B = $[(\text{Number of flow-through-eligible Electronic LSRs that actually pass from the Gateway Interface to the SOP without human intervention}) \div (\text{Number of flow-through-eligible Electronic LSRs received through the Gateway Interface})] \times 100$</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> Rejected LSRs and LSRs containing CLEC-caused non-fatal errors. Non-electronic LSRs (e.g., via fax or courier). Records with invalid product codes. Records missing data essential to the calculation of the measurement per the PID. Duplicate LSR numbers. Invalid start/stop dates/times. 	
<p>Product Reporting:</p> <ul style="list-style-type: none"> Existing Resale Services ^{NOTE 2} Unbundled Loops (with or without Local Number Portability - includes Existing Analog Loops – ^{NOTE 2} Local Number Portability (includes Existing Analog Loops – ^{NOTE 2}) 	<p>Standards: Diagnostic</p>
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> The list of LSR types classified as eligible for flow through is contained in the “LSRs Eligible for Flow Through” matrix. This matrix also includes availability for enhancements to flow through. Matrix will be distributed through the CMP process.

PO-2 – Electronic Flow-through (continued)

	2. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.
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PO-3 – LSR Rejection Notice Interval

Purpose: Monitors the timeliness with which CenturyLink QC notifies CLECs that electronic and manual LSRs were rejected.	
Description: Measures the interval between the receipt of a Local Service Request (LSR) and the rejection of the LSR for standard categories of errors/reasons. <ul style="list-style-type: none"> • Includes all LSRs submitted through the specified interface that are rejected during the reporting period. • Standard reasons for rejections are: missing/incomplete/mismatching/unintelligible information, duplicate request or LSR/PON (purchase order number), no separate LSR for each account telephone number affected, no valid contract, no valid end user verification, account not working in CenturyLink QC territory, service-affecting order pending, request is outside established parameters for service, and lack of CLEC response to CenturyLink QC question for clarification about the LSR. • Included in the interval is time required for efforts by CenturyLink QC to work with the CLEC to avoid the necessity of rejecting the LSR. • With hours: minutes reporting, hours counted are business hours for manual rejects Business hours are defined as time during normal business hours of the Wholesale Delivery Service Centers, except for PO-3C in which hours counted are workweek clock hours. 	
Reporting Period: One month	Unit of Measure: Hours: Minutes
Reporting Comparisons: CLEC aggregate and individual CLEC results	Disaggregation Reporting: Statewide <ul style="list-style-type: none"> • PO-3C, LSRs received via facsimile • PO-3X, LSRs received electronically and rejected manually
Formula: $\frac{\Sigma [(Date\ and\ time\ of\ Rejection\ Notice) - (Date\ and\ time\ of\ LSR\ receipt)]}{(Total\ number\ of\ LSR\ Rejection\ Notifications)}$	
Exclusions: <ul style="list-style-type: none"> • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. • Duplicate LSR numbers. • Invalid start/stop dates/times. 	
Product Reporting: Not applicable	Standards: Diagnostic
Availability: Available	Notes:

PO-5 – Firm Order Confirmations (FOCs) On Time

<p>Purpose: Monitors the timeliness with which CenturyLink QC returns Firm Order Confirmations (FOCs) to CLECs in response to LSRs/ASRs received from CLECs, focusing on the degree to which FOCs are provided within specified intervals.</p>	
<p>Description: Measures the percentage of Firm Order Confirmations (FOCs) that are provided to CLECs within the intervals specified under “Standards” below for FOC notifications.</p> <ul style="list-style-type: none"> • Includes all LSRs/ASRs that are submitted through the specified interface or in the specified manner (i.e., facsimile) that receive an FOC during the reporting period, subject to exclusions specified below. (Acknowledgments sent separately from an FOC (are not included.) • For PO-5A, the interval measured is the period between the LSR received date/time (based on scheduled up time) and CenturyLink QC’s response with a FOC notification (notification date and time). • For PO-5B, 5C, and 5D, the interval measured is the period between the application date and time, as defined herein, and CenturyLink QC’s response with a FOC notification (notification date and time). • “Fully electronic” LSRs are those (1) that are received via an electronic LSR submittal gateway, (2) that involve no manual intervention, and (3) for which FOCs are provided mechanically to the CLEC. ^{NOTE 2} • “Electronic/manual” LSRs are received electronically via an electronic LSR submittal gateway and involve manual processing. • “Manual” LSRs are received manually (via facsimile) and processed manually. • ASRs are measured only in business days. • LSRs will be evaluated according to the FOC interval categories shown in the “Standards” section below, based on the number of lines/services requested on the LSR or, where multiple LSRs from the same CLEC are related, based on the combined number of lines/services requested on the related LSRs. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate and individual CLEC results</p>	<p>Disaggregation Reporting: Statewide level (per multi-state system serving the state). Results for this indicator are reported as follows:</p> <ul style="list-style-type: none"> • PO-5A: * FOCs provided for <u>fully electronic</u> LSRs • PO-5B: * FOCs provided for <u>electronic/manual</u> • PO-5C: * FOCs provided for <u>manual</u> LSRs received via Facsimile. • PO-5D: FOCs provided for ASRs requesting LIS Trunks. <p>* Each of the PO-5A, PO-5B and PO-5C measurements listed above will be further disaggregated (a,b,c) in product reporting below</p>

PO-5 – Firm Order Confirmations (FOCs) On Time (continued)

Formula:

PO-5A = {[Count of LSRs for which the original FOC’s “(FOC Notification Date & Time) - (LSR received date/time (based on scheduled up time))” is within 20 minutes] ÷ (Total Number of original FOC Notifications transmitted for the service category in the reporting period)} x 100

PO-5B, 5C, & 5D = {[Count of LSRs/ASRs for which the original FOC’s “(FOC Notification Date & Time) - (Application Date & Time)” is within the intervals specified for the service category involved] ÷ (Total Number of original FOC Notifications transmitted for the service category in the reporting period)} x 100

Exclusions:

- LSRs/ASRs involving individual case basis (ICB) handling based on quantities of lines, as specified in the “Standards” section below, or service/request types, deemed to be [projects](#).
- Hours on Weekends and holidays. (Except for PO-5A which only excludes hours outside the scheduled up time).
- LSRs with CLEC-requested FOC arrangements different from standard FOC arrangements.
- Records with invalid product codes.
- Records missing data essential to the calculation of the measurement per the PID.
- Duplicate LSR numbers.
- Invalid start/stop dates/times.

Additional PO-5D exclusion:

- Records with invalid application or confirmation dates.

Product Reporting:	Standards:	
<ul style="list-style-type: none"> • For PO-5A, -5B and -5C: (a) Existing Resale Services NOTE 4 (b) Unbundled Loops and specified Unbundled Network Elements. (c) LNP • For PO-5D: LIS Trunks. 	• For PO-5A (all):	95% within 20 minutes ^{NOTE 2}
	• For PO-5B (all):	90% within standard FOC intervals (specified below)
	• For PO-5C (manual):	90% within standard FOC intervals specified below PLUS 24 hours ^{NOTE 3}
	• For PO-5D (LIS Trunks):	85% within eight business days
<u>Standard FOC Intervals for PO-5B and PO-5C</u>		
	Product Group ^{NOTE 1}	FOC Interval
	Existing Resale Services ^{NOTE 4} Residence POTS	24 hours
	LNP (includes Existing Analog Loops ^{NOTE 4})	
	Unbundled Loops Existing Analog Loops ^{NOTE 4} [included in Product Reporting group (b)]	
	Sub-Loop – Non-Loaded (includes Existing Analog Loops ^{NOTE 4}) [included in Product Reporting group (b)]	
		1-39 lines
		1-50 lines
		1-24 loops
		1-24 sub-loops

PO-5 – Firm Order Confirmations (FOCs) On Time (continued)

	<p>Enhanced Extended Loops-DS1 (EEL-DS1) 1-24 circuits [included in Product Reporting group (b)]</p>	<p>48 hours</p>
	<p>Unbundled Loops w/Facility Check (NOTES 2, 3) [included in Product Reporting group (b)] 1-24 loops 2-Wire Non-Loaded ADSL-Compatible XDSL-I Capable DS1-Capable</p>	<p>72 hours</p>
	<p>For PO-5D: LIS Trunks 1-240 trunk circuits</p>	<p>8 business days</p>
	<p>Notes:</p> <ol style="list-style-type: none"> 1. LSRs with quantities above the highest number specified for each product type are considered ICB. 2. Unbundled Loop with Facility Check can be processed electronically; however, because this category always carries a 72-hour FOC interval the FOC results for this product will appear in PO-5B if received electronically or PO-5C if received manually. 3. Unbundled Loop with Facility Check will not add an additional 24 hours to the 72-hour interval if the LSR is submitted manually. 4. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description. 	
<p>Availability: Available</p>		

PO-9 – Timely Jeopardy Notices

Purpose: When original due dates are missed, measures the extent to which CenturyLink QC notifies customers in advance of jeopardized due dates.	
Description: Measures the percentage of late orders for which advance jeopardy notification is provided. <ul style="list-style-type: none"> Includes all inward orders (Change, New, and Transfer order types) assigned a due date by CenturyLink QC and which are completed/closed in the reporting period that missed the original due date. Change order types included in this measurement consist of all C orders representing inward activity. Missed due date orders with jeopardy notifications provided on or after the original due date is past will be counted in the denominator of the formula but will not be counted in the numerator. 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: CLEC aggregate, individual CLEC and CenturyLink QC Retail results	Disaggregation Reporting: Statewide level. (This measure is reported by jeopardy notification process as used for the categories shown under Product Reporting.)
Formula: $[(\text{Total missed due date orders completed in the reporting period that received jeopardy notification in advance of original due date}) \div (\text{Total number of missed due date orders completed in the reporting period})] \times 100$	
Exclusions: <ul style="list-style-type: none"> Orders missed for customer reasons. Records with invalid product codes. Records involving official company services. Records with invalid due dates or application dates. Records with invalid completion dates. Records with invalid product codes. Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting: B Unbundled Loops (Existing Analog Loops) ^{NOTE 1} C LIS Trunks	Standards: Diagnostic, with retail comparative results also reported as follows: B Parity with Retail POTS C Parity with Feature Group D (FGD) Services
Availability: Available	Notes: 1. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.

OP-3 – Installation Commitments Met

<p>Purpose: Evaluates the extent to which CenturyLink QC installs services for Customers by the scheduled due date.</p>	
<p>Description: Measures the percentage of orders for which the scheduled due date is met.</p> <ul style="list-style-type: none"> All inward orders (Change, New, and Transfer order types) assigned a due date by CenturyLink QC and which are completed/closed during the reporting period are measured, subject to exclusions specified below. Change order types included in this measurement consist of all C orders representing inward activity. Also included are orders with customer-requested due dates longer than the standard interval. Completion date on or before the Applicable Due Date recorded by CenturyLink QC is counted as a met due date. The Applicable Due Date is the original due date or, if changed or delayed by the customer, the most recently revised due date, subject to the following: If CenturyLink QC changes a due date for CenturyLink QC reasons, the Applicable Due Date is the customer-initiated due date, if any, that is (a) subsequent to the original due date and (b) prior to a CenturyLink QC-initiated, changed due date, if any. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level.</p> <ul style="list-style-type: none"> Results for product/services listed in Product Reporting under “MSA-Type Disaggregation” will be reported according to orders involving: <ul style="list-style-type: none"> OP-3A Dispatches within MSAs; OP-3B Dispatches outside MSAs; and OP-3C No dispatches. Results for products/services listed in Product Reporting under “Zone-type Disaggregation” will be disaggregated according to installations: <ul style="list-style-type: none"> OP-3D In Interval Zone 1 areas; and OP-3E In Interval Zone 2 areas.
<p>Formula: $\left[\frac{\text{(Total Orders completed in the reporting period on or before the Applicable Due Date)}}{\text{(Total Orders Completed in the Reporting Period)}} \right] \times 100$</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> Disconnect, From (another form of disconnect), and Record order types. Due dates missed for standard categories of customer and non-CenturyLink QC reasons. Standard categories of customer reasons are: previous service at the location did not have a customer-requested disconnect order issued, no access to customer premises, and customer hold for payment. Standard categories of non-CenturyLink QC reasons are: Weather, Disaster, and Work Stoppage. Records involving official company services. Records with invalid due dates or application dates. Records with invalid completion dates. Records with invalid product codes. Records missing data essential to the calculation of the measurement per the PID. 	

OP-3 – Installation Commitments Met (continued)

Product Reporting:		Standards:
MSA-Type Disaggregation -		
• Sub-Loop Unbundling – Non-Loaded		90%
Zone-Type Disaggregation -		
• LIS Trunks		Parity with Feature Group D (aggregate)
• Unbundled Loops:		
2-Wire Non-Loaded Loop		90%
DS1-Capable Loop		Parity with retail DS1 Private Line
xDSL-I Capable Loop		90%
ADSL-Compatible Loop		90%
• Enhanced Extended Loops-DS1 (EEL-DS1)		90%
Availability: Available	Notes:	

OP-4 – Installation Interval

<p>Purpose: Evaluates the timeliness of CenturyLink QC's installation of services for customers, focusing on the average time to install service.</p>	
<p>Description: Measures the average interval (in business days) ^{NOTE 1} between the application date and the completion date for service orders accepted and implemented.</p> <ul style="list-style-type: none"> • Includes all inward orders (Change, New, and Transfer order types) assigned a due date by CenturyLink QC and which are completed/closed during the reporting period, subject to exclusions specified below. Change order types for additional lines consist of all C orders representing inward activity. • Intervals for each measured event are counted in whole days: the application date is day zero (0); the day following the application date is day one (1). • The Applicable Due Date is the original due date or, if changed or delayed by the customer, the most recently revised due date, subject to the following: If CenturyLink QC changes a due date for CenturyLink QC reasons, the Applicable Due Date is the customer-initiated due date, if any, that is (a) subsequent to the original due date and (b) prior to a CenturyLink QC-initiated, changed due date, if any. ^{NOTE 2} • Time intervals associated with customer-initiated due date changes or delays occurring after the Applicable Due Date, as applied in the formula below, are calculated by subtracting the latest CenturyLink QC-initiated due date, if any, following the Applicable Due Date, from the subsequent customer-initiated due date, if any. ^{NOTE 2} 	
<p>Reporting Period: One month</p>	
<p>Unit of Measure: Average Business Days</p>	
<p>Reporting Comparisons: CLEC aggregate, individual CLEC and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level.</p> <ul style="list-style-type: none"> • Results for product/services listed in Product Reporting under “MSA-Type Disaggregation” will be reported according to orders involving: <ul style="list-style-type: none"> OP-4A Dispatches within MSAs; OP-4B Dispatches outside MSAs; and OP-4C No dispatches. • Results for products/services listed in Product Reporting under “Zone-type Disaggregation” will be disaggregated according to installations: <ul style="list-style-type: none"> OP-4D In Interval Zone 1 areas; and OP-4E In Interval Zone 2 areas.
<p>Formula: $\frac{\sum[(\text{Order Completion Date}) - (\text{Order Application Date}) - (\text{Time interval between the Original Due Date and the Applicable Date}) - (\text{Time intervals associated with customer-initiated due date changes or delays occurring after the Applicable Due Date})]}{\text{Total Number of Orders Completed in the reporting period}}$ </p> <p>Explanation: The average installation interval is derived by dividing the sum of installation intervals for all orders (in business days) ^{NOTE 1} by total number of service orders completed in the reporting period.</p>	

OP-4 – Installation Interval (continued)

Exclusions:	
<ul style="list-style-type: none"> • Orders with customer requested due dates greater than the current standard interval. • Disconnect, From (another form of disconnect), and Record order types. • Records involving official company services. • Records with invalid due dates or application dates. • Records with invalid completion dates. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting:	Standards:
MSA-Type Disaggregation -	
• Sub-Loop Unbundling— Non-Loaded	6 days
Zone-Type Disaggregation -	
• LIS Trunks	Parity with Feature Group D (aggregate)
• Unbundled Loops:	
2-Wire Non-Loaded Loop	6 days
DS1-Capable Loop	5.5 days
xDSL-I Capable Loop	6 days
ADSL-Compatible Loop	6 days
Enhanced Extended Loops-DS1 (EEL-DS1)	6 days
Availability:	
• Available	
	<p>Notes:</p> <ol style="list-style-type: none"> 1. For all products, Saturday is counted as a business day when the service order is due or completed on Saturday. 2. According to this definition, the Applicable Due Date can change, per successive customer-initiated due date changes or delays, up to the point when a CenturyLink QC-initiated due date change occurs. At that point, the Applicable Due Date becomes fixed (i.e., with no further changes) as the date on which it was set prior to the first CenturyLink QC-initiated due date change, if any. Following the first CenturyLink QC-initiated due date change, any further customer-initiated due date changes or delays are measured as time intervals that are subtracted as indicated in the formula. These delay time intervals are calculated as stated in the description. (Though infrequent, in cases where multiple CenturyLink QC-initiated due date changes occur, the stated method for calculating delay intervals is applied to each pair of CenturyLink QC-initiated due date change and subsequent customer-initiated due date change or delay. The intervals thus calculated from each pairing of CenturyLink QC and customer-initiated due dates are summed and then subtracted as indicated in the formula.) The result of this approach is that CenturyLink QC-initiated impacts on intervals are counted in the reported interval, and customer-initiated impacts on intervals are not counted in the reported interval.

OP-5 – New Service Installation Quality

<p>Purpose: Evaluates the quality of ordering and installing new services (inward line service orders), focusing on the percentage of newly-installed service orders that are free of CLEC/customer-initiated trouble reports during the provisioning process and within 30 calendar days following installation completion, and focusing on the quality of CenturyLink QC's resolution of such conditions with respect to multiple reports.</p>	
<p>Description: Measures the percentage of inward line service orders that are free of repair trouble reports ^{NOTE 2} within 30 calendar days of installation completion, subject to exclusions below.</p> <ul style="list-style-type: none"> • Orders for new services considered in calculating all components of this performance indicator are all inward line service orders completed in the reporting period, including Change (C-type) orders for additional lines/circuits, subject to exclusions shown below. Change order types considered in these measurements consist of all C orders representing inward activity. ^{NOTE 1} • Orders for new service installations include conversions (Retail to CLEC, CLEC to CLEC, and same CLEC converting between products). • Repair trouble reports include both out of service and other service affecting conditions, such as features on a line that are missing or do not function properly upon conversion, subject to exclusions shown below. • Repair trouble reports are defined as CLEC/customer notifications to CenturyLink QC of out-of-service and other service affecting conditions for which CenturyLink QC opens repair tickets in its maintenance and repair management and tracking systems ^{NOTE 3} that are closed in the reporting period or the following month, ^{NOTE 4} subject to exclusions shown below. ^{NOTE 5} • CenturyLink QC is able to open repair tickets for repair trouble reports received from CLECs/customers once the service order is completed in CenturyLink QC's systems. 	
<p>Reporting Period: <u>One month</u>, reported in arrears (i.e., results first appear in reports one month later than results for measurements that are not reported in arrears), in order to cover the 30-day period following installation.</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level</p>
<p>Formula: (Number inward line service orders completed in the reporting period – Number of inward line service orders with any <u>repair trouble reports</u> as specified above) ÷ (Number of inward line service orders completed in the reporting period) x 100</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Repair trouble reports attributable to CLEC or coded to non-CenturyLink QC, e.g.: Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, CPE, Customer Instruction, Carrier, Alternate Provider, Reports from other than the CLEC/customer that result in a charge if dispatched, Carrier Action (IEC), Commercial power failure, Customer requested service order activity, and Other non-CenturyLink QC. 	

OP- 5 – New Service Installation Quality (continued)

<ul style="list-style-type: none"> Repair reports coded to disposition codes for referral to another department (i.e., for non-repair ticket resolutions of non-installation-related problems, except cable cuts, which are not excluded). Repair or provisioning trouble reports related to service orders captured as misses under measurements OP-13 (Coordinated Cuts Timeliness) Subsequent repair or provisioning trouble reports of any trouble on the installed service before the original repair or provisioning trouble report is closed. Service orders closed in the reporting period with App Dates earlier than eight months prior to the beginning of the reporting period. Information tickets generated for internal CenturyLink QC system/network monitoring purposes. Disconnect, From (another form of disconnect) and Record order types. When out of service or service affecting problems are reported to the call center on conversion and move requests, the resulting call center ticket will be included in the calculation of the numerator in association with the related inward order type even when the call center ticket reflects the problem was caused by the Disconnect or From order. Records involving official CenturyLink QC company services. Records missing data essential to the calculation of the measurement as defined herein. 	
Product Reporting Categories: <ul style="list-style-type: none"> As specified below – one percentage result reported for each bulleted category under the sub-measurements shown. 	Standards: Parity with retail service <i>(Where parity comparisons involve multiple service varieties in a product category, weighting based on the retail analogue volumes may be used if necessary to create a comparison that is not affected by different proportions of wholesale and retail analogue volumes in the same reporting category.)</i>
Product Reporting:	Standards:
<ul style="list-style-type: none"> Sub-Loop Unbundling— Non-Loaded 	Parity with retail DS1 Private Line
<ul style="list-style-type: none"> Unbundled Loops: 	
2-Wire Non-Loaded Loop	Parity with retail ISDN BRI (designed)
DS1-Capable Loop	Parity with retail DS1
xDSL-I Capable Loop	Parity with retail DS1 Private Line
ADSL-Compatible Loop	Parity with retail ISDN BRI (designed)
<ul style="list-style-type: none"> Enhanced Extended Loops-DS1 (EEL-DS1) 	Parity with retail DS1 Private Line
<ul style="list-style-type: none"> LIS Trunks 	Parity with Feature Group D (aggregate)
Availability: Available	Notes: <ol style="list-style-type: none"> The specified Change order types representing inward activity exclude Change orders that do not involve installation of lines (in both wholesale and retail results). Specifically this measurement does not include changes to existing lines, such as number changes and PIC changes. Including consideration of repeat repair trouble reports (i.e., additional reports of trouble related to the same newly-installed line/circuit that are received after the preceding repair report is closed and within 30 days following installation completion) to complete the determination of whether the newly-installed line/circuit was trouble free within 30 days of installation. CenturyLink QC's repair management and tracking systems obtain the repair report data for this measurement. Not included are Call Center

OP- 5 – New Service Installation Quality (continued)

	<p>Database systems supporting call centers in logging calls from customers regarding problems or other inquiries.</p> <ol style="list-style-type: none">4. The “following month” includes also the period of a few business days (typically four or five) afterward, up to the time when CenturyLink QC pulls the repair data to begin processing results for this measurement.5. Includes repair and provisioning trouble reports generated by new processes that supersede or supplement existing processes for submitting repair and provisioning trouble reports as specified in CenturyLink QC’s documented or agreed upon procedures.
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OP-8 – Number Portability Timeliness

Purpose: Evaluates the timeliness of cutovers of local number portability (LNP).	
Description: OP-8C – LNP Timeliness (percent): Measures the percentage of LNP triggers set prior to the Frame Due Time or scheduled start time for the LNP cutover as applicable. <ul style="list-style-type: none"> • All orders for LNP for standalone LNP coordinated and non-coordinated with other than CenturyLink QC provided facilities subject to exclusions specified below. • For purposes of this measurement (OP-8C), “trigger” refers to the “10-digit unconditional trigger” or Line Side Attribute (LSA) that is set or translated by CenturyLink QC. • “Scheduled start time” is defined as the confirmed appointment time (as stated on the FOC), or a newly negotiated time. In the case of LNP cutovers coordinated with loops, the scheduled time used in this measurement will be no later than the “lay” time for the loop. 	
Reporting Period: One month	Unit of Measure: Percent of triggers set on time
Reporting Comparisons: CLEC aggregate and individual CLEC results	Disaggregation Reporting: Statewide level.
Formula: $OP-8C = \left[\frac{\text{Number of LNP triggers set before the Frame Due Time or Scheduled Start Time}}{\text{Total Number of LNP activations without loop cutovers completed}} \right] \times 100$	
Exclusions: <ul style="list-style-type: none"> • Existing Analog Loops ^{NOTE 1} • CLEC-caused delays in trigger setting. • LNP requests that do not involve automatic triggers. • LNP requests for which the records used as sources of data for these measurements have the following types of errors: <ul style="list-style-type: none"> • Records with no PON (purchase order number) or STATE. • Records where triggers cannot be set due to switch capabilities. • Records with invalid due dates, application dates, or start dates. • Records with invalid completion dates. • Records missing data essential to the calculation of the measurement per the PID. • Invalid start/stop dates/times or invalid frame due or scheduled date/times. 	
Product Reporting: None	Standard: 95%
Availability: Available	Notes: <ol style="list-style-type: none"> 1. Effective 2/2/20. See definition of terms for product description.

OP-15 – Interval for Pending Orders Delayed Past Due Date

<p>Purpose: Evaluates the extent to which CenturyLink QC's pending orders are late, focusing on the average number of days the pending orders are delayed past the Applicable Due Date, as of the end of the reporting period.</p>	
<p>Description: OP-15A – Measures the average number of business days that pending orders are delayed beyond the Applicable Due Date for reasons attributed to CenturyLink QC.</p> <ul style="list-style-type: none"> • Includes all pending inward orders (Change, New, and Transfer order types) for which the Applicable Due Date recorded by CenturyLink QC has been missed, subject to exclusions specified below. Change order types included in this measurement consist of all "C" orders representing inward activity. • The Applicable Due Date is the original due date or, if changed or delayed by the customer, the most recently revised due date, subject to the following: If CenturyLink QC changes a due date for CenturyLink QC reasons, the Applicable Due Date is the customer-initiated due date, if any, that is (a) subsequent to the original due date and (b) prior to a CenturyLink QC-initiated, changed due date, if any. ^{NOTE 1} • Time intervals associated with customer-initiated due date changes or delays occurring after the Applicable Due Date, as applied in the formula below, are calculated by subtracting the latest CenturyLink QC-initiated due date, if any, following the Applicable Due Date, from the subsequent customer-initiated due date, if any. ^{NOTE 1} <p>OP-15B – Reports the number of pending orders measured in the numerator of OP-15A that were delayed for CenturyLink QC facility reasons.</p>	
<p>Reporting Period: One month</p>	<p>Unit of Measure: OP-15A – Average Business Days ^{NOTE 2} OP-15B – Number of orders pending facilities</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC, CenturyLink QC retail</p>	<p>Disaggregation Reporting: Statewide</p>
<p>Formula: OP-15A = $\sum[(\text{Last Day of Reporting Period}) - (\text{Applicable Due Date of Late Pending Order}) - (\text{Time intervals associated with customer-initiated due date changes or delays occurring after the Applicable Due Date})] \div (\text{Total Number of Pending Orders Delayed for CenturyLink QC reasons as of the last day of Reporting Period})$ OP-15B = Count of pending orders measured in numerator of OP-15A that were delayed for CenturyLink QC facility reasons</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Disconnect, From (another form of disconnect) and Record order types. • Records involving official company services. • Records with invalid due dates or application dates. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 	

OP-15 – Interval for Pending Orders Delayed Past Due Date (continued)

Product Reporting:	Standards: Diagnostic, with retail comparatives also reported as specified below
• Sub-Loop Unbundling - Non-Loaded	Diagnostic
• LIS Trunks	Diagnostic (Expectation: Parity with Feature Group D (aggregate)) (separately reported)
• Unbundled Loops:	
2-Wire Non-Loaded Loop	Diagnostic (Expectation: Parity with retail ISDN BRI (designed))
DS1-Capable Loop	Diagnostic (Expectation: Parity with retail DS1)
xDSL-I Capable Loop	Diagnostic
ADSL-Compatible Loop	Diagnostic (Expectation: Parity with retail ISDN BRI (designed))
• Enhanced Extended Loops-DS1 (EEL-DS1)	Diagnostic
Availability: Available	Notes: <ol style="list-style-type: none"> 1. According to this definition, the Applicable Due Date can change, per successive customer-initiated due date changes or delays, up to the point when a CenturyLink QC-initiated due date change occurs. At that point, the Applicable Due Date becomes fixed (i.e., with no further changes) as the date on which it was set prior to the first CenturyLink QC-initiated due date change, if any. Following the first CenturyLink QC-initiated due date change, any further customer-initiated due date changes or delays are measured as time intervals that are subtracted as indicated in the formula. These delay time intervals are calculated as stated in the description. (Though infrequent, in cases where multiple CenturyLink QC-initiated due date changes occur, the stated method for calculating delay intervals is applied to each pair of CenturyLink QC-initiated due date change and subsequent customer-initiated due date change or delay. The intervals thus calculated from each pairing of CenturyLink QC and customer-initiated due dates are summed and then subtracted as indicated in the formula.) The result of this approach is that CenturyLink QC-initiated impacts on intervals are counted in the reported interval, and customer-initiated impacts on intervals are not counted in the reported interval. 2. For all non-dispatched products and for all dispatched products under OP-15A, Saturday is not counted as a business day.

Maintenance and Repair

MR-5 – Troubles Cleared within Specified Intervals

<p>Purpose: Evaluates timeliness of repair for specified services, focusing on all trouble reports of all types (including out of service and service affecting troubles, as set forth herein) and on the number of such trouble reports cleared within the specified intervals (i.e., 4 or 24 hours).</p>							
<p>Description: Measures the percentage of trouble reports for specified services that are cleared within 4 or 24 hours of receipt of trouble reports from CLECs or from retail customers.</p> <ul style="list-style-type: none"> • Includes all trouble reports (out of service or all troubles, as specified under product reporting below), closed during the reporting period, which involve a specified service, subject to exclusions specified below. • Time measured is from date and time that CenturyLink QC is first notified of the trouble by CLEC to date and time trouble is cleared. 							
<p>Reporting Period: One month Unit of Measure: Percent</p>							
<p>Reporting Comparisons: CLEC aggregate, individual CLEC, and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level. Results for listed products will be disaggregated according to trouble reports:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">MR-5A</td> <td>Zone-type disaggregation In Interval Zone 1 areas</td> </tr> <tr> <td style="padding-left: 20px;">MR-5B</td> <td>Zone-type disaggregation In Interval Zone 2 areas</td> </tr> <tr> <td style="padding-left: 20px;">MR-5X</td> <td>Non-disaggregated reporting</td> </tr> </table>	MR-5A	Zone-type disaggregation In Interval Zone 1 areas	MR-5B	Zone-type disaggregation In Interval Zone 2 areas	MR-5X	Non-disaggregated reporting
MR-5A	Zone-type disaggregation In Interval Zone 1 areas						
MR-5B	Zone-type disaggregation In Interval Zone 2 areas						
MR-5X	Non-disaggregated reporting						
<p>Formula: [(Number of Trouble Reports closed in the reporting period that are cleared within interval specified herein) ÷ (Total Trouble Reports closed in the reporting period)] x 100</p>							
<p>Exclusions:</p> <ul style="list-style-type: none"> • Trouble reports coded to non-CenturyLink QC causes or dispositions, e.g., Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, Carrier Action (IEC) and Customer Provided Equipment (CPE). • Subsequent trouble reports of any trouble before the original trouble report is closed. • Information tickets generated for internal CenturyLink QC system/network monitoring purposes. • Time delays due to “no access” are excluded from repair time. • Trouble reports on the day of installation before the installation work is reported by the technician/installer as complete. • Records involving official company services. • Records with invalid trouble receipt dates. • Records with invalid cleared or closed dates. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 							

MR-5 – Troubles Cleared within Specified Intervals (continued)

Product Reporting:	Standards:
Zone-Type Disaggregation – All Troubles Cleared within 4 Hours	
• LIS Trunks	Parity with Feature Group D (aggregate)
• Unbundled Loops	
DS1-Capable Loop	Parity with retail DS1
2-Wire Non-Loaded Loop	Diagnostic (no retail comparison)
xDSL-I Capable Loop	Diagnostic (no retail comparison)
ADSL-Compatible Loop	Diagnostic (no retail comparison)
• Enhanced Extended Loops-DS1 (EEL-DS1)	Parity with retail DS1 Private Line
Non-disaggregated Reporting – Out of Service Cleared within 24 Hours	
• Existing Resale Services - Business Single Line Service ^{NOTE 1}	Diagnostic (Expectation: parity with retail)
• Sub-Loop Unbundling – Non-Loaded (Includes Existing Analog Loops ^{NOTE 1})	Diagnostic (Expectation: parity with retail RES and BUS POTS)
Availability: Available	Notes: 1. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.

MR-6 – Mean Time to Restore

<p>Purpose: Evaluates timeliness of repair, focusing how long it takes to restore services to proper operation.</p>	
<p>Description: Measures the time actually taken to clear trouble reports.</p> <ul style="list-style-type: none"> • Includes all trouble reports closed during the reporting period, subject to exclusions specified below. • Includes customer direct reports, customer-relayed reports, and test assist reports that result in a trouble report. • Time measured is from date and time that CenturyLink QC is first notified of the trouble by CLEC to date and time trouble is cleared. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Hours and Minutes</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC, and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level.</p> <ul style="list-style-type: none"> • Results for product/services listed in Product Reporting under “MSA-Type Disaggregation” will be reported according to trouble reports involving: <ul style="list-style-type: none"> MR-6A Dispatches within MSAs; MR-6B Dispatches outside MSAs; and MR-6C No dispatches. • Results for products/services listed in Product Reporting under “Zone-type Disaggregation” will be disaggregated according to trouble reports involving: <ul style="list-style-type: none"> MR-6D In Interval Zone 1 areas; and MR-6E In Interval Zone 2 areas.
<p>Formula: $\frac{\sum[(\text{Date \& Time Trouble Report Cleared}) - (\text{Date \& Time Trouble Report Opened})]}{(\text{Total number of Trouble Reports closed in the reporting period})}$ </p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Trouble reports coded to non-CenturyLink QC causes or dispositions, e.g., Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, non-CenturyLink QC, CPE, Customer Instruction, Carrier, Alternate Provider, and Carrier Action (IEC). • Subsequent trouble reports of any trouble before the original trouble report is closed. • Trouble reports coded as No Trouble Found or Test Okay and with durations of less than or equal to 1 hour. • Information tickets generated for internal CenturyLink QC system/network monitoring purposes. • Time delays due to “no access,” as applicable, are excluded from repair time for products/services listed in Product Reporting under “Zone-type Disaggregation.” • For products listed for MSA-type disaggregation, trouble reports involving a “no access” delay. • Trouble reports on the day of installation before the installation work is reported by the technician/installer as complete. 	

MR-6 – Mean Time to Restore (Continued)

<ul style="list-style-type: none"> Records involving official company services. Records with invalid trouble receipt dates. Records with invalid cleared or closed dates. Records with invalid product codes. Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting:	Standards:
MSA-Type Disaggregation	
<ul style="list-style-type: none"> Existing Resale Services - Residential single line service ^{NOTE 2} 	Parity with retail service
<ul style="list-style-type: none"> Sub-Loop Unbundling - Non-Loaded (Includes Existing Analog Loops ^{NOTE 2}) 	Parity with Retail RES and BUS POTS ^{NOTE 1}
Zone-Type Disaggregation -	
<ul style="list-style-type: none"> LIS Trunks 	Parity with Feature Group D (aggregate)
<ul style="list-style-type: none"> Unbundled Loops: 	
Existing Analog Loops ^{NOTE 2}	Parity with retail Res and Bus POTS
2-Wire Non-Loaded Loop	Parity with retail ISDN BRI (designed)
DS1-Capable Loop	Parity with retail DS1 Private Line
xDSL-I Capable Loop	Parity with retail DS1 Private Line
ADSL-Compatible Loop	Parity with retail ISDN BRI (designed)
<ul style="list-style-type: none"> Enhanced Extended Loops-DS1 (EEL-DS1) 	Parity with retail DS1 Private Line
Availability: Available	Notes: <ol style="list-style-type: none"> Should the standard repair interval for SubLoops be changed to 4 hours, as applicable to interconnection agreements (ICAs) of all CLECs opted into the CenturyLink QC performance assurance plan (Exhibit K of ICAs), the retail comparative will become "Retail DS1 Private Line." Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.

MR-7 – Repair Repeat Report Rate

<p>Purpose: Evaluates the accuracy of repair actions, focusing on the number of repeated trouble reports received for the same line/circuit within a specified period (30 calendar days).</p>	
<p>Description: Measures the percentage of trouble reports that are repeated within 30 days on end user lines and circuits.</p> <ul style="list-style-type: none"> • Includes all trouble reports closed during the reporting period that have a repeated trouble report received within thirty (30) days of the initial trouble report for the same service (regardless of whether the report is about the same type of trouble for that service), subject to exclusions specified below. • In determining same service CenturyLink QC will compare the end user telephone number or circuit access code of the initial trouble reports closed during the reporting period with reports received within 30 days of when the initial trouble report closed. • Includes reports due to CenturyLink QC network or system causes, customer-direct and customer-relayed reports. • The 30-day period applied in the numerator of the formula below is from the date and time that the initial trouble report is closed to the date and time that the next, or “repeat” trouble report is received (i.e., opened). 	
<p>Reporting Period: One month, reported in arrears (i.e., results first appear in reports one month later than results for measurements that are not reported in arrears), in order to cover the 30-day period following the initial trouble report.</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC, and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level.</p> <ul style="list-style-type: none"> • Results for product/services listed in Product Reporting under “MSA-Type Disaggregation” will be reported according to trouble reports involving: <ul style="list-style-type: none"> MR-7A Dispatches within MSAs; MR-7B Dispatches outside MSAs; and MR-7C No dispatches. • Results for products/services listed in Product Reporting under “Zone-type Disaggregation” will be disaggregated according to trouble reports involving: <ul style="list-style-type: none"> MR-7D In Interval Zone 1 areas; and MR-7E In Interval Zone 2 areas.
<p>Formula: $\left[\frac{\text{Total trouble reports closed within the reporting period that had a repeated trouble report received within 30 calendar days of when the initial trouble report closed}}{\text{Total number of Trouble Reports Closed in the reporting period}} \right] \times 100$</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> • Trouble reports coded to non-CenturyLink QC causes or dispositions, e.g., Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, non-CenturyLink QC, CPE, Customer Instruction, Carrier, Alternate Provider, and Carrier Action (IEC). 	

MR-7 – Repair Repeat Report Rate (Continued)

<ul style="list-style-type: none"> • Subsequent trouble reports of any trouble before the original trouble report is closed. • Information tickets generated for internal CenturyLink QC system/network monitoring purposes. • Trouble reports on the day of installation before the installation work is reported by the technician/installer as complete. • Records involving official company services. • Records with invalid trouble receipt dates. • Records with invalid cleared or closed dates. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting:	Standards:
MSA-Type Disaggregation -	
<ul style="list-style-type: none"> • Existing Resale Services - Residential single line service ^{NOTE 1} 	Parity with retail service
<ul style="list-style-type: none"> • Sub-Loop Unbundling - Non-Loaded (Includes Existing Analog Loops ^{NOTE 1}) 	Retail DS1 Private Line
Zone-Type Disaggregation -	
<ul style="list-style-type: none"> • LIS Trunks 	Parity with Feature Group D (aggregate)
<ul style="list-style-type: none"> • Unbundled Loops: 	
Existing Analog Loops ^{NOTE 1}	Parity with retail Res and Bus POTS
2-Wire Non-Loaded Loop	Parity with retail ISDN BRI (designed)
DS1-Capable Loop	Parity with retail DS1 Private Line
xDSL-I Capable Loop	Parity with retail DS1 Private Line
ADSL-Compatible Loop	Parity with retail ISDN BRI (designed)
<ul style="list-style-type: none"> • Enhanced Extended Loops-DS1 (EEL-DS1) 	Parity with retail DS1 Private Line
Availability: Available	Notes:
	1. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.

MR-8 – Trouble Rate

Purpose: Evaluates the overall rate of trouble reports as a percentage of the total installed base of the service or element.	
Description: Measures trouble reports by product and compares them to the number of lines in service. <ul style="list-style-type: none"> • Includes all trouble reports closed during the reporting period, subject to exclusions specified below. • Includes all applicable trouble reports, including those that are out of service and those that are only service-affecting. 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: CLEC aggregate, individual CLEC, and CenturyLink QC Retail results	Disaggregation Reporting: Statewide level
Formula: $[(\text{Total number of trouble reports closed in the reporting period involving the specified service grouping}) \div (\text{Total number of the specified services that are in service in the reporting period})] \times 100$	
Exclusions: <ul style="list-style-type: none"> • Trouble reports coded to non-CenturyLink QC causes or dispositions, e.g., Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, non-CenturyLink QC, CPE, Customer Instruction, Carrier, Alternate Provider, and Carrier Action (IEC). • Subsequent trouble reports of any trouble before the original trouble report is closed. • Information tickets generated for internal CenturyLink QC system/network monitoring purposes. • Trouble reports on the day of installation before the installation work is reported by the technician/installer as complete. • Records involving official company services. • Records with invalid trouble receipt dates. • Records with invalid cleared or closed dates. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting:	Standards:
<ul style="list-style-type: none"> • Existing Resale Services - Residential single line service ^{NOTE 2} 	Parity with retail service
<ul style="list-style-type: none"> • Sub-Loop Unbundling - Non-Loaded (Includes Existing Analog Loops ^{NOTE 2}) 	Parity with Retail DS1 Private Line
<ul style="list-style-type: none"> • LIS Trunks 	Parity with Feature Group D (aggregate)
<ul style="list-style-type: none"> • Unbundled Loops: 	
<ul style="list-style-type: none"> Existing Analog Loops ^{NOTE 2} 	Parity with retail Res and Bus POTS
<ul style="list-style-type: none"> 2-Wire Non-Loaded Loop 	Parity with retail ISDN-BRI
<ul style="list-style-type: none"> DS1-Capable Loop 	Parity with retail DS1 Private Line, except Colorado ^{NOTE 1}
<ul style="list-style-type: none"> xDSL-I Capable Loop 	Parity with retail DS1 Private Line
<ul style="list-style-type: none"> ADSL-Compatible Loop 	Parity with retail ISDN-BRI

MR-8 – Trouble Rate (continued)

<ul style="list-style-type: none"> Enhanced Extended Loops-DS1 (EEL-DS1) 	Parity with retail DS1 Private Line, except Colorado ^{NOTE 1}
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. <u>In Colorado Only:</u> For DS1-Capable Loops and EEL-DS1s, the following three-tiered standard applies: <ol style="list-style-type: none"> a. Benchmark of 3% for 3-month rolling average CLEC aggregate result or, if greater than 3%, b. Difference of less than or equal to one percentage point between 3-month rolling average of CLEC aggregate result and corresponding 3-month average Retail comparative result or, if difference is greater than one percentage point, c. Parity in current reported month using DS1 Private Line as retail comparative. 2. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description.

MR-9 – Repair Appointments Met ^{NOTE 1}

Purpose: Evaluates the extent to which CenturyLink QC repairs services for Customers by the appointment date and time.	
Description: Measures the percentage of trouble reports for which the appointment date and time is met. <ul style="list-style-type: none"> Includes all trouble reports closed during the reporting period, subject to exclusions specified below. Time measured is from date and time that CenturyLink QC is first notified of the trouble by CLEC to date and time trouble is cleared. 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: CLEC aggregate, individual CLEC and CenturyLink QC Retail results	Disaggregation Reporting: Statewide level. Results for listed services will be disaggregated and reported according to trouble reports involving: <ul style="list-style-type: none"> MR-9A Dispatches within MSAs; MR-9B Dispatches outside MSAs; and MR-9C No dispatches.
Formula: $[(\text{Total Trouble Reports Cleared by appointment date and time}) \div (\text{Total Trouble Reports Closed in the Reporting Period})] \times 100$	
Exclusions: <ul style="list-style-type: none"> Trouble reports coded to non-CenturyLink QC causes or dispositions, e.g., Customer Action, Non-Telco Plant, Trouble Beyond the Network Interface, Miscellaneous – Non-Dispatch, non-CenturyLink QC, CPE, Customer Instruction, Carrier, Alternate Provider, and Carrier Action (IEC). Subsequent trouble reports of any trouble before the original trouble report is closed. Information tickets generated for internal CenturyLink QC system/network monitoring purposes. Time delays due to “no access” are excluded from repair time by using the rescheduled appointment time to determine if the repair appointment is met. Trouble reports on the day of installation before the installation work is reported by the technician/installer as complete. Records involving official company services. Records with invalid trouble receipt dates. Records with invalid cleared or closed dates. Records with invalid product codes. Records missing data essential to the calculation of the measurement per the PID. 	
Product Reporting: Existing Resale Services: Residential single line service ^{NOTE 1}	Standard: Diagnostic, with residential single line retail comparative results also reported
Availability: Available	Notes: <ol style="list-style-type: none"> Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description

MR-11 – LNP Trouble Reports Cleared within Specified Timeframes

<p>Purpose: Evaluates timeliness of clearing LNP trouble reports, focusing on the degree to which residence, disconnect-related, out-of-service trouble reports are cleared within four business hours and all LNP-related trouble reports are cleared within 48 hours.</p>	
<p>Description: MR-11A: Measures the percentage of specified LNP-only (i.e., not unbundled-loop), residence out-of-service trouble reports that are cleared within four business hours of CenturyLink QC receiving these trouble reports from CLECs.</p> <ul style="list-style-type: none"> • Includes only trouble reports that are received on or before the currently-scheduled due date of the actual LNP-related disconnect time/date, or the next business day, that are confirmed to be caused by disconnects being made before the scheduled time, and that are closed during the reporting period, subject to exclusions specified below. • The “currently-scheduled due date/time” is the original due date/time established by CenturyLink QC in response to CLEC/customer request for disconnection of service ported via LNP or, if CLEC submits to CenturyLink QC a timely or untimely request for delay of disconnection, it is the CLEC/customer-requested later date/time. • A request for delay of disconnection is considered timely if received by CenturyLink QC before 8:00 p.m. MT on the due date that CenturyLink QC has on record at the time of the request. • A request for delay of disconnection is considered untimely if received by CenturyLink QC after 8:00 p.m. MT on the due date and before 12:00 p.m. MT (noon) on the day after the due date. • Time measured is from the date and time CenturyLink QC receives the trouble report to the date and time trouble is cleared. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC Aggregate and Individual CLEC</p>	<p>Disaggregation Reporting: Statewide level (all are “non-dispatched”).</p>
<p>Formula: MR-11A = [(Number of specified out-of-service LNP-only Trouble Reports, for LNP-related troubles confirmed to be caused by disconnects, that CenturyLink QC executed before the currently-scheduled due date/time, that were closed in the reporting period and cleared within four business hours) ÷ (Total Number of specified out of service LNP-only Trouble Reports for LNP-related troubles confirmed to be caused by disconnects that CenturyLink QC executed before the currently-scheduled due date/time, that were closed in the reporting period)] x 100</p>	

MR-11 – LNP Trouble Reports Cleared within Specified Timeframes

Exclusions:

- Trouble reports attributed to customer or non-CenturyLink QC reasons.
- Trouble reports not related to valid requests (LSRs) for LNP and associated disconnects.
- Subsequent trouble reports of LNP trouble before the original trouble report is closed.
- Information tickets generated for internal CenturyLink QC system/network monitoring purposes.
- Records involving official company services.
- Records with invalid trouble receipt dates.
- Records with invalid cleared or closed dates.
- Records with invalid product codes.
- Records missing data essential to the calculation of the measurement per the PID.

Product Reporting: LNP	Standards: Diagnostic
Availability: Available	Notes:

Billing

BI-2 – Invoices Delivered within 10 Days

Purpose: Evaluates the timeliness with which CenturyLink QC delivers industry-standard, electronically-transmitted bills to CLECs, focusing on the percent delivered within ten calendar days.	
Description: Measures the percentage of invoices that are delivered within ten days, based on the number of days between the bill date and bill delivery. <ul style="list-style-type: none"> Includes all industry standard electronically transmitted invoices for local exchange services and toll, subject to exclusions specified below. 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: Combined CenturyLink QC Retail/CLEC results (Parity by design)	Disaggregation Reporting: State level
Formula: $[(\text{Count of Invoices for which Bill Transmission Date to Bill Date is ten calendar days or less}) \div (\text{Total Number of Invoices})] \times 100$	
Exclusions: <ul style="list-style-type: none"> Bills transmitted via paper, magnetic tape, CD-ROM, diskette. Records with missing data essential to the calculation of the measurement per the PID. 	
Product Reporting: <ul style="list-style-type: none"> UNEs (including Existing Analog Loops ^{NOTE 1} and Existing Resale Services – Residence ^{NOTE 1}) 	Standard: Diagnostic (Parity by Design)
Availability: Available	Notes: <ol style="list-style-type: none"> Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description

BI-3 – Billing Accuracy – Adjustments for Errors

Purpose: Evaluates the accuracy with which CenturyLink QC bills CLECs, focusing on the percentage of billed revenue adjusted due to errors.	
Description: Measures the billed revenue minus amounts adjusted off bills due to errors, as a percentage of total billed revenue. <ul style="list-style-type: none"> • Both the billed revenue and amounts adjusted off bills due to error are calculated from bills rendered in the reporting period. • “Amounts adjusted off bills due to errors” is the sum of all bill adjustments made in the reporting period that involve, either in part or in total, adjustment codes related to billing errors. (Each adjustment thus qualifying is added to the sum in its entirety.) 	
Reporting Period: One month	Unit of Measure: Percent
Reporting Comparisons: CLEC aggregate, individual CLECs	Disaggregation Reporting: State level
Formula: $[\sum(\text{Total Billed Revenue Billed in Reporting Period} - \text{Amounts Adjusted Off Bills Due to Errors}) \div (\text{Total Billed Revenue billed in Reporting Period})] \times 100$	
Exclusions: <ul style="list-style-type: none"> • BI-3A – UNE Loops – None • BI-3B - Reciprocal Compensation Minutes of Use – Billing adjustments as a result of CLEC-caused errors in return of minutes of use 	
Product Reporting: <ul style="list-style-type: none"> • BI-3A – UNE Loops (including Existing Analog Loops ^{NOTE 1} and Existing Resale Services – Residence ^{NOTE 1}) • BI-3B - Reciprocal Compensation Minutes of Use (MOU) 	Standards: Diagnostic
Availability: Available	Notes: <ol style="list-style-type: none"> 1. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description

BI-4 – Billing Completeness

<p>Purpose:</p> <ul style="list-style-type: none"> • BI-4A – Evaluates the completeness with which CenturyLink QC reflects non-recurring and recurring charges associated with completed service orders on the bills. • BI-4B – Evaluates the completeness with which CenturyLink QC reflects the revenue for Local Minutes of Use associated with CLEC local traffic over CenturyLink QC’s network on the bills. 	
<p>Description:</p> <p>BI-4A –Measures the percentage of non-recurring and recurring charges associated with completed service orders appear on the correct bill.*</p> <p>BI-4B – Measures the percentage of revenue associated with local minutes of use appearing on the correct (current) bill.*</p> <p>* Correct bill = next available bill</p>	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLECs, and CenturyLink QC Retail results</p>	<p>Disaggregation Reporting: Statewide level.</p>
<p>Formula:</p> <p>BI-4A = $\frac{\sum(\text{Count of service orders with non-recurring and recurring charges associated with completed service orders on the bills that are billed on the correct bill} \div \text{total count of service orders with non-recurring and recurring charges associated with completed service orders billed on the bill})}{\text{total count of service orders with non-recurring and recurring charges associated with completed service orders billed on the bill}} \times 100$</p> <p>BI-4B = $\frac{\sum(\text{Revenue for Local Minutes of Use billed on the correct* bill} \div \text{Total revenue for Local Minutes of Use collected during the month})}{\text{Total revenue for Local Minutes of Use collected during the month}} \times 100$</p>	
<p>Exclusions: None</p>	
<p>Product Reporting:</p> <ul style="list-style-type: none"> • UNE Loops (including Existing Analog Loops ^{NOTE 1} and Existing Resale Services – Residence ^{NOTE 1}) • Reciprocal Compensation (MOU) 	<p>Standards: Diagnostic</p>
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. Product Reporting begins 2/2/20 and ends 8/2/22. See definition of terms for product description

Database Updates

DB-1 – Time to Update Databases

Purpose: Evaluates the time required for updates to the databases of LIDB and Directory Builder.	
Description: <ul style="list-style-type: none"> • Measures the average time required to update the databases of LIDB and the directory database updating system. • Includes all database updates as specified under Disaggregation Reporting completed during the reporting period. 	
Reporting Period: One month	Unit of Measure: Seconds
Reporting Comparisons: <ul style="list-style-type: none"> • DB-1B-LIDB: Combined results for all CenturyLink QC Retail, Reseller CLEC and Facilities Based CLEC updates; • DB-1C-1-Listings: Combined results for all Provider types including CenturyLink QC Retail, Reseller CLEC, and Facilities Based CLEC, ILEC and Unknown Provider, Electronically Submitted, Electronically Processed updates. <small>NOTE 1</small> 	Disaggregation Reporting: DB-1B: LIDB for CenturyLink QC Retail, Reseller CLEC and Facilities Based CLEC – Multi state region-wide level DB-1C-1: Listings for all Provider types including CenturyLink QC Retail, Reseller CLEC, and Facilities Based CLEC, ILEC and Unknown Provider, Electronically Submitted, Electronically Processed– Sub-region applicable to state
Formula: $\frac{\sum[(\text{Date and Time of database update for each database update as specified under Disaggregation Reporting in the reporting period}) - (\text{Date and Time of submissions of data for entry into the database for each database update as specified under Disaggregation Reporting in the reporting period})]}{\text{Total database updates as specified under Disaggregation Reporting completed in the reporting period}}$	
Exclusion: Invalid start/stop dates/times.	
Product Reporting: Not applicable (Reported by database type)	Standards: Diagnostic
Availability: Available	Notes: <ol style="list-style-type: none"> 1. Because they cannot be separated, results for CenturyLink QC Retail, Reseller CLEC, Facilities-based CLECs, ILEC and Unknown Provider updates are reported combined.

Network Performance

NI-1 – Trunk Blocking

<p>Purpose: Evaluates factors affecting completion of calls from CenturyLink QC end offices to CLEC end offices, compared with the completion of calls from CenturyLink QC end offices to other CenturyLink QC end offices, focusing on average busy-hour blocking percentages in interconnection or interoffice final trunks.</p>	
<p>Description: Measures the percentage of trunks blocking in interconnection and interoffice final trunks.</p> <ul style="list-style-type: none"> • Includes blocking percentages on all direct final and alternate final interconnection and interoffice trunk groups that are in service during the reporting period, subject to exclusions specified below. 	
<p>Reporting Period: One month</p>	<p>Unit of Measure: Percent Blockage</p>
<p>Reporting Comparisons: CLEC aggregate, individual CLEC, and CenturyLink QC Interoffice trunk blocking results.</p>	<p>Disaggregation Reporting: Statewide level. Reports the percentage of trunks blocking in interconnection final trunks, reported by:</p> <ul style="list-style-type: none"> NI-1A Interconnection (LIS) trunks to CenturyLink QC tandem offices, with TGSR-related exclusions applied as specified below; NI-1B LIS trunks to CenturyLink QC end offices, with TGSR-related exclusions applied as specified below; NI-1C LIS trunks to CenturyLink QC tandem offices, without TGSR-related exclusions; NI-1D LIS trunks to other CenturyLink QC end offices, without TGSR-related exclusions.
<p>Formula: $\left\{ \left[\sum (\text{Blockage in Final Trunk Group of Specified Type}) \times (\text{Number of Circuits in Trunk Group}) \right] \div (\text{Total Number of Final Trunk Circuits in all Final Trunk Groups}) \right\} \times 100$ </p> <p>Explanation: Actual average percentage of trunk blockage is calculated by dividing the equivalent average number of trunk circuits blocking by the total number of trunk circuits in final trunks of the type being measured.</p>	
<p>Exclusions: For NI-1A and NI-1B only:</p> <ul style="list-style-type: none"> • Trunk groups, blocking in excess of one percent in the reporting period, for which: <ul style="list-style-type: none"> • A Trunk Group Service Request (TGSR)^{NOTES 1 & 2} or the equivalent (if replaced by another process) has been issued in the reporting period; or • CLECs do not submit, within 20 calendar days of receiving a TGSR or equivalent: <ul style="list-style-type: none"> – Responsive ASRs (or have ASRs pending that are delayed for CLEC reasons ^{NOTE 3}); – Trouble Reports; or – Notification of traffic re-routing (as described in Note 1 below). 	

NI-1 – Trunk Blocking (Continued)

<p>For NI-1A, NI-1B, NI-1C, and NI-1D:</p> <p>a) Trunk groups, blocking in excess of one percent in the reporting period, for which CenturyLink QC can identify, in time to incorporate in the regular reporting of this measurement, the cause as being attributable to:</p> <ul style="list-style-type: none"> • Trunk group out-of-service conditions arising from cable cuts, severe weather, or force majeure circumstances; • The CLEC placing trunks in a “busy” condition; <p>a) Lack of interconnection facilities to fulfill LIS requests for which the CLEC did not provide a timely forecast to CenturyLink QC. (This portion of the exclusion is limited to being applied in (a) the month the LIS requests could not be fulfilled, due to lack of facilities, and (b) each month thereafter up to the month following facility availability OR up to five months after the month the LIS requests could not be fulfilled, whichever is sooner ^{NOTE 4}); or</p> <p>b) Isolated incidences of blocking, about which CenturyLink QC provides notification to the CLEC, that (a) are not recurring or persistent (affecting the same trunk groups), (b) do not warrant corrective action by CLEC or CenturyLink QC, and (c) thus, do not require an actionable TGSR.</p>	
<ul style="list-style-type: none"> • Trunk groups recently activated that have not been in service for a full “20-high-day, busy hour” review period. • Toll trunks, non-final trunks, and trunks that are not connected to the public switched network. • One-way trunks originating at CLEC end offices. • CenturyLink QC official services trunks, local interoffice operator and directory assistance trunks, and local interoffice 911/E911 trunks. • Records with invalid product codes. • Records missing data essential to the calculation of the measurement per the PID. 	
<p>Product Reporting: LIS Trunks</p>	<p>Standards: Diagnostic, with retail comparative results also reported as specified below for NI-1A and NI-1B:</p> <ul style="list-style-type: none"> • NI-1A: Comparison with CenturyLink QC Interoffice Trunks to tandems • NI-1B: Comparison with CenturyLink QC Interoffice Trunks to end offices
<p>Availability: Available</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. CenturyLink QC uses TGSRs (or equivalent, as explained above under “Exclusions”) to notify CLECs when trunk blocking exceeds standard thresholds or is determined to be persistent. To respond properly to TGSRs, a CLEC must (a) submit within 20 days ASRs to provide necessary trunk augmentations to avoid further blocking, (b) notify CenturyLink QC within 20 days that it is initiating a Trouble Report where CenturyLink QC traffic routing problems are causing the blocking referenced by the TGSR, or (c) notify CenturyLink QC that the CLEC will undertake its own re-routing of traffic within 20 days to alleviate the blocking. 2. The TGSR-related exclusion is applied in the month in which the TGSR is issued and in the month in which the above-specified 20-day response period ends. Thus, any trunk group excluded in one month

NI-1 – Trunk Blocking (Continued)

	<p>will not be excluded in the next month, unless there is (a) a 20-day period following a TGSR ends in that month, (b) there is another TGSR applicable to the next month for the same trunk group or (c) an exception documented, in lieu of issuing a subsequent TGSR, where the CLEC's response to the previous TGSR indicated that, for its own reasons, it plans to take no action at any time to augment the trunk group.</p> <ol style="list-style-type: none">3. CLEC delays are reflected by CLEC-initiated order supplements that move the due date later.<ol style="list-style-type: none">a. CenturyLink QC-initiated due date delays, including supplements made pursuant to CenturyLink QC requests to delay due dates, shall not be counted as CLEC delays in this measurement.b. CenturyLink QC-initiated due date changes to earlier dates that the CLEC does not meet shall not be counted as a CLEC delay in this measurement unless the earlier dates were mutually agreed-upon.c. CLEC delays (e.g., "customer not ready" in advance of a due date) that do not contribute to a CenturyLink QC-established due date being missed shall not be counted as a CLEC delay in this measurement.4. The limitation on part (3) of this exclusion is intended to bound its applicability to a period of time that treats the unforecasted ASR as if it were, in effect, the first forecast for the facilities needed.<ol style="list-style-type: none">a. Given that forecast advance intervals are currently six months, this provision allows the exclusion to apply for no longer than that period of time.b. Nevertheless, this limitation to the exclusion also recognizes that facilities may become available sooner and, if so, reduces the limitation accordingly. In that context, this limitation recognizes that, absent a CLEC forecast, CenturyLink QC still retains a responsibility to provide facilities for the ASR, although in a longer timeframe than for ASRs covered by forecasts.c. This limitation may change depending on the outcome of separate workshops dealing with issues of interconnection forecasting.
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Collocation

CP-2 – Collocations Completed within Scheduled Intervals

Purpose:

Evaluates the extent to which CenturyLink QC completes collocation arrangements for CLECs within the standard intervals or intervals established in interconnection agreements.

Description:

Measures the percentage of collocation applications that are completed within standard intervals, including intervals set forth in interconnection agreements.

- Includes all collocations of types specified herein that are assigned a [Ready for Service Date \(RFS\) date](#) by CenturyLink QC and that are completed within the reporting period, including those with CLEC-requested RFS dates longer than the standard interval and those with extended RFS dates negotiated with the CLEC (including supplemented collocation orders that extend the RFS date) subject to exclusions specified below. Collocation types included are: physical cageless, physical caged, shared physical caged, physical-line sharing, cageless-line sharing, and virtual. ^{NOTE 1}
- The Collocation Application Date is the date CenturyLink QC receives from the CLEC a complete and valid application for collocation. In cases where the CLEC's collocation application is received by CenturyLink QC on a weekend or holiday, the Collocation Application Date is the next [business day](#) following the weekend or holiday.
- Major Infrastructure Modifications are defined as conditioning the collocation space, obtaining permits, and installing DC power plant, standby generators, heating, venting or air conditioning equipment.
- A collocation arrangement is counted as met under this measurement if its RFS date is met.
- Establishment of RFS Dates: RFS dates are established as follows, except where interconnection agreements require different intervals, in which case the intervals specified in the interconnection agreements apply:
 - **Collocation Applications with Timely Quote Acceptance and, for Virtual Collocations, also with Timely Equipment Ready** – for collocation applications where the CLEC accepts the quote in seven or fewer calendar days after the quote date and, for virtual collocations, where the CLEC provides the equipment to be collocated to CenturyLink QC 53 calendar days or less after the Collocation Application Date, the RFS date shall be:
 - **Forecasted Collocations**: 90 calendar days after the Collocation Application Date for physical collocations for which the CLEC provides a complete forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
 - **Unforecasted Collocations**: 120 calendar days after the Collocation Application Date for physical collocations for which the CLEC does not provide a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
 - **Collocation Applications with Late Quote Acceptance and, for Virtual Collocations, also with Timely Equipment Ready** – for collocation applications where the CLEC accepts the quote in eight or more calendar days after the quote date and, for virtual collocations, where the CLEC provides the equipment to be

CP-2 – Collocations Completed within Scheduled Intervals (continued)

collocated to CenturyLink QC 53 calendar days or less after the Collocation Application Date, the RFS date shall be:

- **Forecasted Collocations**: 90 calendar days after the quote acceptance date for collocations for which the CLEC provides a complete forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
- **Unforecasted Collocations**: 120 calendar days after the quote acceptance date for collocations for which the CLEC does not provide a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
- **Virtual Collocation Applications with Timely Quote Acceptance and Late Equipment Ready** – for virtual collocation applications where the CLEC (1) accepts the quote in seven or fewer calendar days after the quote date and (2) provides the equipment to be collocated to CenturyLink QC more than 53 calendar days after the Collocation Application Date, the RFS date shall be:
 - **Forecasted Collocations**: 45 calendar days after the equipment is provided to CenturyLink QC, for collocations for which the CLEC provides a complete forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
 - **Unforecasted Collocations**: 75 calendar days after the equipment is provided to CenturyLink QC, for collocations for which the CLEC does not provide a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
- **Virtual Collocation Applications with Late Quote Acceptance and Late Equipment Ready** – for virtual collocation applications where the CLEC (1) accepts the quote in eight or more calendar days after the quote date and (2) provides the equipment to be collocated to CenturyLink QC more than 53 calendar days after the Collocation Application Date, the RFS date shall be:
 - **Forecasted Collocations**: 45 calendar days after the equipment is provided to CenturyLink QC, for collocations for which the CLEC provides a complete forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
 - **Unforecasted Collocations**: 75 calendar days after the equipment is provided to CenturyLink QC, for collocations for which the CLEC does not provide a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
- **All Collocations (physical, virtual, forecasted, or unforecasted) requiring Major Infrastructure Modifications**: the later of (1) up to 150 calendar days (as specified in the quote) after the Collocation Application Date, or (2) for virtual collocations, 45 calendar days following the date equipment to be collocated is provided to CenturyLink QC for collocations in which Major Infrastructure Modifications are required. CenturyLink QC will provide to the CLEC, as part of the quotation, the need for, and the duration of, such extended intervals.
- When a CLEC submits six (6) or more Collocation applications in a one-week period in any state, completion intervals will be individually negotiated. These collocation arrangements will be included in CP-2A, -2B, or -2C according to the criteria specified below for these measurements.
- Where there is a CLEC-caused delay, the RFS Date is rescheduled.

CP-2 – Collocations Completed within Scheduled Intervals (continued)

<ul style="list-style-type: none"> Where CLECs do not accept the quote within thirty calendar days of the quote date, the application is considered expired. 	
CP-2A	Forecasted Collocations: Measures collocation installations for which CLEC provides a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
CP-2B	Non-Forecasted and Late Forecasted Collocations: Measures collocation installations for which CLEC does not provide a forecast to CenturyLink QC 60 or more calendar days in advance of the Collocation Application Date.
CP-2C	All Collocations requiring Major Infrastructure Modifications and Collocations with intervals longer than 120 days: Measures all collocation installations requiring Major Infrastructure Modifications and collocations for which the RFS date is more than 120 calendar days after the Collocation Application Date.
Reporting Period: One month	
Unit of Measure: Percent	
Reporting Comparisons: CLEC aggregate and individual CLEC results	
Disaggregation Reporting: Statewide level.	
<p>Formula: (for CP-2A, CP-2B and CP-2C) $\left[\frac{\text{Count of Collocations for which the RFS is met}}{\text{Total Number of Collocations Completed in the Reporting Period}} \right] \times 100$</p>	
<p>Exclusions:</p> <ul style="list-style-type: none"> RFS dates missed for reasons beyond CenturyLink QC's control. Cancelled or expired requests. 	
Product Reporting: None	
Standards: Diagnostic	
Availability: Available	<p>Notes:</p> <ol style="list-style-type: none"> Collocations covered by this measurement are central office related. As additional types of central office collocation are defined and offered, they will be included in this measurement. Non-central office-based types of collocation (such as remote collocation and field connection points) will be considered for either inclusion in this measurement, or in new, separate measurements, after the terms, conditions, and processes for such collocation types become finalized, accepted, mature (i.e., six months of experience from first installations), and ordered in volumes warranting reporting (i.e., consistently more than two per month in any state).

DEFINITIONS OF TERMS

Application Date (and Time) – The date (and time) on which CenturyLink QC receives from the CLEC a complete and accurate local service request (LSR) or access service request (ASR) or retail order, subject to the following:

- For the following types of requests/orders, the application date (and time) is the start of the next business day:
 1. LSRs and ASRs received after 3:00PM MT for Designed Services and Local Number Portability (except non-designed, flow-through LNP).
 2. Retail orders received after 3:00 PM local time for Designed Services.
 3. LSRs received after 7:00PM MT for Unbundled Loops.
- For all types of orders that are received from Friday at 7:00 PM MT through Sunday, or on holidays, and do not flow through, the application date (and time) is the next, non-weekend business day.

Bill Date – The date shown at the top of the bill, representing the date on which CenturyLink QC begins to close the bill.

Blocking – Condition on a telecommunications network where, due to a maintenance problem or an traffic volumes exceeding trunking capacity in a part of the network, some or all originating or terminating calls cannot reach their final destinations. Depending on the condition and the part of the network affected, the network may make subsequent attempts to complete the call or the call may be completely blocked. If the call is completely blocked, the calling party will have to re-initiate the call attempt.

Business Day – Workdays that CenturyLink QC is normally open for business. Business Day = Monday through Friday, excluding weekends and CenturyLink QC published Holidays including New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving, Christmas, and such additional holidays when implemented in all Interconnection Agreements. Individual measurement definitions may modify (typically expanding) this definition as described in the Notes section of the measurement definition.

Cleared Trouble Report – A trouble report for which the trouble has been cleared, meaning the customer is "back in service".

Closed Trouble Report – A trouble report that has been closed out from a maintenance center perspective, meaning the ticket is closed in the trouble reporting system following repair of the trouble.

Common Transport – Trunk groups between tandem and end office switches that are shared by more than one carrier, often including the traffic of both the ILEC and several CLECs.

Completion – The time in the order process when the service has been provisioned and service is available.

Completion Notice – A notification the ILEC provides to the CLEC to inform the CLEC that the requested service order activity is complete.

Coordinated Customer Conversion -- Orders that have a due date negotiated between the ILEC, the CLEC, and the customer so that work activities can be performed on a coordinated basis under the direction of the receiving carrier.

Customer Requested Due Date – A specific due date requested by the customer which is either shorter or longer than the standard interval or the interval offered by the ILEC.

DEFINITIONS OF TERMS (continued)

Customer Trouble Reports – A report that the carrier providing the underlying service opens when notified that a customer has a problem with their service. Once resolved, the disposition of the trouble is changed to closed.

Dedicated Transport – A network facility reserved to the exclusive use of a single customer, carrier or pair of carriers used to exchange switched or special, local exchange, or exchange access traffic.

Delayed Order – An order which has been completed after the scheduled due date and/or time.

DS-1 – Digital Service Level 1. Service provided at a digital signal speed of 1.544 Mbps.

Due Date – The date provided on the Firm Order Confirmation (FOC) the ILEC sends the CLEC identifying the planned completion date for the order.

End Office Switch – A switch from which an end users' exchange services are directly connected and offered.

Existing Analog Loops – Refers to the Product definition under UNE Forbearance Amendment, Attachment 1, Section 2, UNE Analog Loops.

Existing Resale Services – Refers to the Product definition under UNE Forbearance Amendment, Attachment 1, Section 1, Resale Provisions.

Final Trunk Groups – Interconnection and interoffice trunk groups that do not overflow traffic to other trunk groups when busy.

Firm Order Confirmation (FOC) – Notice the ILEC sends to the CLEC to notify the CLEC that it has received the CLECs service request, created a service order, and assigned it a due date.

Flow-Through – The term used to describe whether a LSR electronically is passed from the OSS interface system to the ILEC legacy system to automatically create a service order. LSRs that do not flow through require manual intervention for the service order to be created in the ILEC legacy system.

Interval Zone 1/Zone 2 – Interval Zone 1 areas are wire centers for which CenturyLink QC specifies shorter standard service intervals than for Interval Zone 2 areas.

Installation – The activity performed to activate a service.

Installation Troubles – A trouble, which is identified after service order activity and installation, has completed on a customer's line. It is likely attributable to the service activity (within a defined time period).

Interconnection Trunks – A network facility that is used to interconnect two switches generally of different local exchange carriers

Inward Activity – Refers to all orders for new or additional lines/circuits. For change order types, additional lines/circuits consist of all C orders with "I" and "T" action coded line/circuit USOCs that represent new or additional lines/circuits, including conversions from retail to CLEC and CLEC to CLEC.

Jeopardy – A condition experienced in the service provisioning process which results potentially in the inability of a carrier to meet the committed due date on a service order

Jeopardy Notice – The actual notice that the ILEC sends to the CLEC when a jeopardy has been identified.

Lack of Facilities – A shortage of cable facilities identified after a due date has been committed to a customer, including the CLEC. The facilities shortage may be identified during the inventory assignment process or during the service installation process, and typically triggers a jeopardy.

Local Exchange Traffic – Traffic originated on the network of a LEC in a local calling area that terminates to another LEC in a local calling area.

DEFINITIONS OF TERMS (continued)

Local Number Portability (formerly defined under Permanent Number Portability and also known as – Long Term Number Portability) – A network technology which allows end user customers to retain their telephone number when moving their service between local service providers. This technology does not employ remote call forwarding, but actually allows the customer's telephone number to be moved and redefined in the network of the new service provider. The activity to move the telephone number is called "porting."

Local Service Request (LSR) – Transaction sent from the CLEC to the ILEC to order services or to request a change(s) be made to existing services.

MSA/Non-MSA – Metropolitan Statistical Area is a government defined geographic area with a population of 50,000 or greater. Non-Metropolitan Statistical Area is a government defined geographic area with population of less than 50,000. CenturyLink QC depicts MSA Non-MSA based on NPA NXX. Where a wire center is predominantly within an MSA, all lines are counted within the MSA.

Mechanized Bill – A bill that is delivered via electronic transmission.

Plain Old Telephone Service (POTS) – Refers to basic 2-wire, non-complex analog residential and business services. Can include feature capabilities (e.g., CLASS features).

Projects – Service requests that exceed the line size and/or level of complexity which would allow for the use of standard ordering and provisioning processes. Generally, due dates for projects are negotiated, coordination of service installations/changes is required and automated provisioning may not be practical.

Query Types – Pre-ordering information that is available to a CLEC that is categorized according to standards issued by OBF and/or the FCC.

Ready For Service (RFS) – The status achieved in the installation of a collocation arrangement when all "operational" work has been completed. Operational work consists of the following as applicable to the particular type of collocation:

- Cage enclosure complete;
- DC power is active (including fuses available, BDFB [Battery Distribution Fuse Board] in place, and cables between the CLEC and power terminated);
- Primary AC outlet in place;
- Cable racking and circuit terminations are complete (e.g. fiber jumpers placed between the Outside Plant Fiber Distribution Panel and the Central Office Fiber Distribution Panel serving the CLEC).
- The following items complete, subject to the CLEC having made required payments to CenturyLink QC (e.g., final payment): (If the required CLEC payments have not been made, the following items are not required for RFS):
 - Key turnover made available to CLEC.
 - APOT/CFA complete, as defined/required in CLEC's interconnection agreement, and
 - Basic telephone service and other services and facilities complete, if ordered by CLEC in time to be provided on the scheduled RFS date (per CenturyLink QC's published standard installation intervals for such telephone service).

Ready for Service Date (RFS date) – The due date assigned to a collocation order (typically determined by regulatory rulings, contract terms, or negotiations with CLEC) to indicate when collocation installation is scheduled to be ready for service, as defined above.

Reject – A status that can occur to a CLEC submitted local service request (LSR) when it does not meet certain criteria. There are two types of rejects: (1) syntax, which occur if required fields are not included in the LSR; and (2) content, which occur if invalid data is provided in a field. A rejected service request must be corrected and re-submitted before provisioning can begin.

DEFINITIONS OF TERMS (continued)

Repeat Report – Any trouble report that is a second (or greater) report on the same telephone number/circuit ID and at the same premises address within 30 days. The original report can be any category, including excluded reports, and can carry any disposition code.

Service Group Type – The designation used to identify a category of similar services, e.g., UNE loops.

Service Order – The work order created and distributed in ILECs systems and to ILEC work groups in response to a complete, valid local service request.

Service Order Type – The designation used to identify the major types of provisioning activities associated with a local service request.

Standard Interval – The interval that the ILEC publishes as a guideline for establishing due dates for provisioning a service request. Typically, due dates will not be assigned with intervals shorter than the standard. These intervals are specified by service type and type of service modification requested. ILECs publish these standard intervals in documents used by their own service representatives as well as ordering instructions provided to CLECs in the CenturyLink QC Standard Interval Guidelines.

Subsequent Reports – A trouble report that is taken in relation to a previously-reported trouble prior to the date and time the initial report has a status of “closed.”

Tandem Switch – Switch used to connect and switch trunk circuits between and among Central Office switches.

Time to Restore – The time interval from the receipt, by the ILEC, of a trouble report on a customer’s service to the time service is fully restored to the customer.

Unbundled Loop - The Unbundled Loop is a transmission path between a CenturyLink QC Central Office Distribution Frame, or equivalent, and the Loop Demarcation Point at an end user premises. Loop Demarcation Point is defined as the point where CenturyLink QC owned or controlled facilities cease, and CLEC, end user, owner or landlord ownership of facilities begins.

GLOSSARY OF ACRONYMS

ACRONYM	DESCRIPTION
ADSL	Asymmetric Digital Subscriber Line
ASR	Service Request (processed via Exact system)
BRI	Basic Rate Interface (type of ISDN service)
CKT	Circuit
CLEC	Competitive Local Exchange Carrier
CO	Central Office
CPE	Customer Premises Equipment
CSR	Customer Service Record
DB	Database
DS1	Digital Service 1
EELS	Enhanced Extended Loops
EXACT	Exchange Access, Control, & Tracking
FOC	Firm Order Confirmation
GUI	Graphical User Interface
HDSL	High-Bit-Rate Digital Subscriber Line
HICAP	High Capacity Digital Service
IEC	Interexchange Carrier
ILEC	Incumbent Local Exchange Carrier
INP	Interim Number Portability
IOF	Interoffice Facilities (refers to trunk facilities located between CenturyLink QC central offices)
ISDN	Integrated Services Digital Network
IMA	Interconnect Mediated Access
LIDB	Line Identification Database
LIS	Local Interconnection Service Trunks
LNP	Local Number Portability
LSR	Local Service Request
N, T, C	Service Order Types – N (new), T (to or transfer), C (change)
OOS	Out of service (type of trouble condition)
OSS	Operations Support Systems
PON	Purchase Order Number
POTS	Plain Old Telephone Service
RFS	Ready for Service (refers to collocation installations)
SOP	A service order processor
TN	Telephone Number
UNE	Unbundled Network Element
XDSL	(X) Digital Subscriber Line. (The “X” prefix refers to DSL generically. An “X” replaced by an “A” refers to Asymmetric DSL, and by an “H” refers to High-bit-rate DSL.)

STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

Qwest Corporation
PIDs & PAP
Cancellation/Application

Case No. PU-22-20

Findings of Fact, Conclusions of Law and Order

September 7, 2022

Appearances

Commissioners Julie Fedorchak, Randy Christmann, and Sheri Haugen-Hoffart.

Jason D. Topp, Assistant General Counsel, 200 South 5th Street, Room 2200, Minneapolis, MN 55402, on behalf of Qwest Corporation.

Brian Johnson, Legal Counsel, Public Service Commission, State Capitol, 600 E Boulevard Ave, Bismarck, ND 58505, appearing on behalf of Public Service Commission Advocacy Staff.

John M. Schuh, General Counsel, Public Service Commission, State Capitol, 600 E Boulevard Ave, Bismarck, ND 58505, appearing on behalf of Public Service Commission Advisory Staff.

Hope L. Hogan, Administrative Law Judge, Office of Administrative Hearings, 2911 North 14th Street, Suite 303, Bismarck, ND 58503 as Procedural Hearing Officer.

Preliminary Statement

Under the federal Telecommunications Act of 1996, Qwest Corporation, dba CenturyLink QC, (CenturyLink) is required to provide open access to its networks, facilities and services to other providers of telecommunications services, such as competitive local exchange carriers (CLECs). Measures known as Performance Indicator Definitions (PIDs) provide specific data about the quality of the open access provided by CenturyLink to other carriers, and a Performance Assurance Plan (PAP) applies specific standards or goals that the performance measures must accomplish.

On January 6, 2022, CenturyLink filed an application with the Commission for approval to eliminate the PIDs and PAP. The proposed elimination was prompted by the Federal Communications Commission's (FCC's) Unbundled Network Elements (UNE) Modernizing Forbearance Order. CenturyLink is requesting, effective February 1, 2022, approval of the elimination of PIDs and PAP from all interconnection agreements in North

Dakota, and that existing interconnection agreements be modified to eliminate the PIDs and PAP without the need for further filings or approvals.

On January 18, 2022, the Commission suspended the elimination of the PAP and PIDs in the interconnection agreements and issued a Notice of Opportunity for Hearing in the matter providing until March 4, 2022, for comments and requests for hearing.

On February 28, 2022, Commission Advocacy Staff (Advocacy Staff) filed testimony and requested a hearing.

On March 30, 2022, the Commission issued a Notice of Hearing (Notice), scheduling a formal hearing on June 24, 2022. The Notice identified the following issues to be considered in this proceeding:

1. Whether the elimination of PIDs and PAP should be approved?
2. Whether all existing interconnection agreements with CenturyLink should be modified to eliminate PIDs and PAP without the need for further filings or approvals?

On April 25, 2022, CenturyLink submitted the rebuttal testimony of Teresa Million.

On June 24, 2022, a public hearing was held as scheduled in the Commission Hearing Room, State Capitol, 600 E. Boulevard Ave, 12th Floor, Bismarck, North Dakota 58505.

Having allowed all interested persons an opportunity to be heard, and having heard, reviewed, and considered all testimony and evidence presented, the Commission makes the following:

Findings of Fact

1. Qwest Corporation dba CenturyLink QC (CenturyLink) is a Delaware corporation authorized by the North Dakota Secretary of State to do business in North Dakota.
2. The Commission has authority under North Dakota Century Code (NDCC) section 49-21-09 and NDCC section 49-21-01.7(9) to approve or disapprove agreements for interconnection services or network elements which may include PIDs and PAP.
3. The PIDs and PAP are the result of a specific plan entered into between CenturyLink and CLECs in 2000 in order to receive approval from the FCC and the Commission to operate under Section 271 of the Telecommunications Act of 1996 (Telecom Act) and be allowed to re-enter the long-distance business that the Regional Bell Operating Companies (RBOCs) had been precluded from since their divestiture in 1984.

4. Under the Telecom Act, the RBOCs were required to provide CLECs with access to their Operations Support Systems (OSS) for purposes of ordering and provisioning of UNEs so that CLECs could use the UNEs to provision services for their own end-user customers. The CLECs believed, and CenturyLink agreed, that the PIDs/PAP arrangement would provide a measure of the success in establishing OSS connections that would allow the CLECs to provide service on a par with the way CenturyLink provided service to its own retail customers.

5. The PIDs and PAP was an arrangement available to CLECs who chose to participate in it and elected to include Exhibit K, which spells out the terms of the PAP, in their interconnection agreements (ICAs). Not all CLECs have a PIDs and PAP arrangement with CenturyLink.

6. The PIDs and PAP have been in place for nearly 20 years. During that time period the number of products covered by the PIDs and the PAP have declined and the Commission modified the PIDs and the PAPs to reflect those changes. In 2019 and 2020, the FCC further reduced the products CenturyLink must provide to CLECs as UNEs. As of February 2023, the only products that will be covered are local interconnection service trunks. Rather than incorporating those changes and making modifications as they have done in the past, CenturyLink seeks to eliminate the PIDs and PAP entirely.

7. All CLECs operating in North Dakota were notified pursuant to the Change Management Process ("CMP") of CenturyLink's plan and were given 30 days to raise any concerns they had about the elimination of PIDs and PAP. In addition, CenturyLink reached out specifically to the CLECs with the highest volume of orders under the plan during the past several years and offered to meet with them to address any concerns they might have. Only one CLEC expressed an interest in meeting with CenturyLink about the elimination, and after providing them with their own detailed data, they confirmed that they would have no concerns. No CLEC objected to CenturyLink's Application to eliminate the PIDs and PAP.

8. The PIDs and PAP no longer serve the purpose for which they were originally designed. CenturyLink and the CLECs long ago established the connections between their OSS to ensure that CLECs achieved parity with CenturyLink in their ability to serve their retail customers. UNEs are practically non-existent and in 2021 only one UNE product subject to the PIDs and PAP was ordered by a single CLEC in North Dakota.

Conclusions of Law

1. The Commission has jurisdiction in this proceeding pursuant to North Dakota Century Code sections 49-21-09 and 49-21-01.7(9).

2. The Commission approved the North Dakota PAP in Case No. PU-314-97-193. The PAP has been amended several times since then.

3. On October 28, 2020, the FCC issued its 'UNE Modernizing Forbearance Order' that made further significant changes:
 - a. Eliminating unbundling requirements, subject to a reasonable transition period, for enterprise-grade DS1 and DS3 loops;
 - b. Eliminating unbundling requirements for broadband-capable DS0 loops in the most densely populated areas, and for voice-grade narrowband loops nationwide;
 - c. Eliminating unbundled dark fiber transport provisioned from wire centers within a half-mile of competitive fiber networks but provide an eight-year transition period for existing circuits so as to avoid stranding investment and last-mile deployment by competitive LECs that may harm consumers.
4. Complying with the second FCC Order would remove many of the PIDs and PAP over various product level timelines. Modifying the PIDs and PAP to comply with the Order would require CenturyLink to change the architecture of the automated reporting processing.
5. CenturyLink provided a good cause for removing the PIDs and PAP and does not obstruct the public interest.

Order

The Commission orders:

1. Qwest Corporation dba CenturyLink QC's petition for the elimination of PIDs and PAP is approved; and
2. All existing interconnection agreements with CenturyLink should be modified to eliminate PIDs and PAP without the need for further filings or approvals.

PUBLIC SERVICE COMMISSION

 Randy Christmann Commissioner	 Julie Fedorchak Chair	 Sheri Haugen-Hoffart Commissioner
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BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF COLORADO

PROCEEDING NO. 22M-0092T

IN THE MATTER OF THE VERIFIED PETITION OF CENTURYLINK FOR ELIMINATION OF THE QWEST PERFORMANCE ASSURANCE PLAN (PAP) AND ASSOCIATED PERFORMANCE INDICATOR DEFINITIONS (PIDS).

**RECOMMENDED DECISION OF
ADMINISTRATIVE LAW JUDGE
G. HARRIS ADAMS
DISMISSING INTERVENTION AND
GRANTING PETITION**

Mailed Date: October 6, 2022

I. STATEMENT

1. On February 28, 2022, Qwest Corporation, doing business as CenturyLink QC (CenturyLink) filed its Verified Petition for Elimination of the Qwest Performance Assurance Plan (PAP) and Associated Performance Indicator Definitions (PIDS) (Petition).

2. On February 28, 2022, the Commission issued notice of CenturyLink's Petition (Notice). The Notice gave interested parties 30 days to intervene in this proceeding. A list of interested parties notified is attached to this Recommended Decision as Appendix A.

3. CenturyLink also provided notice to those affected by their Petition. A list of those notified is attached to this Recommended Decision as Appendix B.

4. On March 30, 2022, Bresnan Broadband of Colorado, LLC and Time Warner Cable Information Services (Colorado) LLC (collectively, Charter) filed their Request for Intervention as of Right or, in the Alternative, Motion to Permit Intervention.

5. By Decision No. C22-0219-I, issued on April 8, 2022, the Commission referred this proceeding to an Administrative Law Judge (ALJ).

6. By Decision No. R22-0281-I, issued May 5, 2022, a procedural schedule was established and an evidentiary hearing was scheduled for October 20, 2022.

7. On September 1, 2022, Charter filed a Notice of Withdrawal of Intervention, stating that it has conferred with CenturyLink and resolved all issues raised in its intervention. As a result, Charter has since reevaluated its interest in the above proceeding and now requests to withdraw its intervention.

8. In accordance with § 40-6-109, C.R.S., the ALJ now transmits to the Commission the record in this proceeding along with a written Recommended Decision.

II. FINDINGS AND CONCLUSIONS

A. Charter's Intervention

9. Charter's request to withdraw their intervention is unopposed. There being no prejudice to any party, Charter's intervention in this proceeding will be withdrawn and Charter is dismissed as an Intervenor.

10. Withdrawal of the intervention and dismissal of Intervenor leaves the Petition uncontested. Pursuant to § 40-6-109(5), C.R.S., and Rule 1403 of the Rules of Practice and Procedure, 4 *Code of Colorado Regulations* (CCR) 723-1, the uncontested Petition may be processed under the modified procedure, without a formal hearing.

B. CenturyLink's Petition

11. As stated above, CenturyLink's Petition is verified and includes an affidavit of Timothy Kunkleman, Regulatory Director for Colorado for Lumen Technologies. Lumen

Technologies includes CenturyLink. Mr. Kunkleman attests that the contents of the Verified Petition and facts set forth therein are true, accurate, and correct to the best of his knowledge, information, and belief.

12. CenturyLink describes the PAP as a self-effectuating performance assurance plan that contains terms and conditions, including the PIDs. These were established as part of CenturyLink's efforts in the early 2000s, pursuant to 47 U.S.C. § 271, to enter the interLATA long-distance telecommunications market. The PAP was negotiated with Colorado Competitive Local Exchange Carriers (CLECs) to provide additional assurance of continued appropriate interconnection and parity network access between CenturyLink and CLECs and to help enable the Federal Communications Commission (FCC) to determine that § 271's requirements, particularly as to competitive parity, had been satisfied.

13. CenturyLink had been providing Unbundled Network Elements (UNEs) to CLECs; but, as CenturyLink's Petition explains, UNEs have been eliminated through a series of FCC forbearance orders. On October 28, 2020, the FCC issued its "UNE Modernizing Forbearance Order," which made further significant changes and effectively eliminated all remaining UNEs. This Order would remove almost all the PIDs and PAP over various product level timelines because it effectively eliminates all remaining UNEs. Therefore, according to CenturyLink, it no longer makes sense to just modify the PIDs and PAP in Colorado. Rather, CenturyLink states, it is appropriate to eliminate them altogether.

14. Additionally, CenturyLink notes that some CLECs have already signed Amendments to their interconnection agreements (ICAs) as well as Commercial Agreements effectuating the UNE Modernizing Forbearance Order. They have also begun to order products outside of these short-term remaining UNEs from their ICAs, thus making the remaining months

of metric tracking increasingly irrelevant in proving non-discrimination, which was the original intent.

15. As stated above, notice was provided to impacted CLECs of this Petition. CenturyLink also directly reached out to the CLEC's with the highest volume and/or payments under the current PAP and explained its intention to initiate this proceeding to eliminate the PIDs and PAP, and received no objections.

16. CenturyLink states that this Petition is consistent with petitions already granted by South Dakota Public Utilities Commission, the Iowa Utilities Board, the Wyoming Public Service Commission, and the Nebraska Public Service Commission.

17. CenturyLink states that CLECs' reliance on the PAP has declined dramatically in Colorado and the company's most significant competitors (cable and wireless) have their own networks, so UNEs are no longer significant components of the competitive landscape in Colorado. Payments to CLECs under the PAP have declined significantly since first implemented; PAP payments totaled \$6,603,054 in 2004 and declined to \$16,992 in 2021.

18. CenturyLink further states that CLEC orders for services still covered by the PAP have continued to decline significantly, to the point that ordering activity is now *de minimis*.

19. Repairs for products still covered by the PAP have also continued to decline.

20. Finally, CenturyLink points out that CLECs are rarely even logging into the PAP platform to review performance in Colorado; in fact, most CLECs do not even check their results.

21. For these reasons, CenturyLink contends it is time to eliminate the PIDs and PAP in Colorado in their entirety, and requests that all existing ICAs that currently contain the PAP and PIDs be deemed modified to incorporate these revisions without need for further filings or approvals.

22. As stated above, all Intervenors have withdrawn their intervention and been dismissed from the proceeding. The Petition is unopposed. Therefore, and based on the Petition and the facts contained therein, the ALJ will grant the Petition in this proceeding.

23. The remaining deadlines on the procedural schedule and the evidentiary hearing schedules for October 20, 2022, will be vacated.

24. In accordance with § 40-6-109, C.R.S., the ALJ recommends that the Commission enter the following order.

III. ORDER

A. The Commission Orders That:

1. The intervention filed by Bresnan Broadband of Colorado, LLC and Time Warner Cable Information Services on March 30, 2022, is withdrawn and they are dismissed as parties.

2. The verified Petition filed by Qwest Corporation, doing business as CenturyLink QC on February 28, 2022, is granted consistent with the discussion above.

3. The Performance Assurance Plan (PAP) and Associated Performance Indicator Definitions (PIDS) described in this Petition are eliminated.

4. All existing interconnection agreements that currently contain the eliminated PAP and PIDs are deemed modified to incorporate these revisions without need for further filings or approvals.

5. The remaining procedural schedule and evidentiary hearing scheduled for October 20, 2022, are vacated.

6. Proceeding No. 22M-0092T is closed.

7. This Recommended Decision shall be effective on the day it becomes the Decision of the Commission, if that is the case, and is entered as of the date above.

8. As provided by § 40-6-109, C.R.S., copies of this Recommended Decision shall be served upon the parties, who may file exceptions to it.

a) If no exceptions are filed within 20 days after service or within any extended period of time authorized, or unless the decision is stayed by the Commission upon its own motion, the recommended decision shall become the decision of the Commission and subject to the provisions of § 40-6-114, C.R.S.

b) If a party seeks to amend, modify, annul, or reverse basic findings of fact in its exceptions, that party must request and pay for a transcript to be filed, or the parties may stipulate to portions of the transcript according to the procedure stated in § 40-6-113, C.R.S. If no transcript or stipulation is filed, the Commission is bound by the facts set out by the administrative law judge and the parties cannot challenge these facts. This will limit what the Commission can review if exceptions are filed.

9. If exceptions to this Decision are filed, they shall not exceed 30 pages in length, unless the Commission for good cause shown permits this limit to be exceeded.

(S E A L)



THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

G. HARRIS ADAMS

Administrative Law Judge

ATTEST: A TRUE COPY

A handwritten signature in cursive script that reads 'Doug Dean'.

Doug Dean, Director

Qwest Corporation d/b/a CenturyLink QC's Petition for Elimination of Performance Assurance Plan and Performance Indicator Definitions	<u>DOCKET NO. 22-049-60</u> <u>ORDER</u>
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ISSUED: October 13, 2022

BACKGROUND

This matter is before the Public Service Commission (PSC) on the petition of Qwest Corporation d/b/a/ CenturyLink QC (“CenturyLink”) for the elimination of the Performance Assurance Plan (PAP) and Performance Indicator Definitions (PIDs)¹ contained within its interconnection agreements. Additionally, consistent with prior PSC proceedings and orders amending the PAP and PIDs, CenturyLink further requests that the PSC deem all existing interconnection agreements that currently contain the PAP and PIDs be modified to incorporate the elimination of the PAP and associated PIDs, effective on the date of the order without need for further filings or approvals. The petition was filed July 19, 2022, and is unopposed.

¹ The PAP is a self-effectuating performance assurance plan that provides assurance of continued appropriate interconnection and network access between CenturyLink and competitive local exchange carriers (CLECs). The PAP’s terms and conditions, including PIDs, were established as part of CenturyLink’s (then US West) effort to obtain Federal Communications Commission (“FCC”) approval to enter the interstate long distance telecommunications market in the early 2000’s pursuant to 47 U.S.C. § 271. The PAP is implemented as Exhibit K to all interconnection agreements (“ICAs”) between CenturyLink and CLECs that opt to include it in their ICAs. The PIDs are implemented as Exhibit B to CenturyLink’s ICAs, containing the definitions and metrics that support the PAP. The PSC’s June 18, 2002 Order in Docket No. 00-049-08 approved and established the PAP for Utah.

CenturyLink asserts the PAP and PIDs have successfully accomplished their goal of developing performance parity in the Utah telecommunications marketplace as evidenced by low and declining volumes of penalties. This achievement, coupled with the substantial changes recently ordered by the Federal Communications Commission (FCC) to significantly reduce the unbundled network elements CenturyLink is required to offer² CLECs, has created an environment in which the PAP and PIDs have become irrelevant and are no longer useful to the CLECs. Further, CenturyLink explains maintaining the PAP and PIDs cause it to expend substantial resources inapposite of their value. As evidence of this CenturyLink states that annual payments to competitive local exchange carriers under the PAP amounted to only \$300 for all CLECs operating in Utah in 2021, and there have been zero payments in 2022 to date.

The Utah Division of Public Utilities (DPU) reviewed CenturyLink's petition and recommends the PSC grant the petition and eliminate the PAP and PID obligations. DPU explains it conducted its own analysis of the necessity for the PAP and the associated PIDs. It

² As represented by CenturyLink in its petition, the FCC eliminated and modified some obligations of regional bell operating companies (RBOC) to provide certain products and network elements. Specifically, in Petition of US Telecom et al. for Forbearance, WC Dkt. No. 18-141, Memorandum Opinion and Order, FCC Release 19-72; Released August 2, 2019, and the Report and Order on Remand and Memorandum Opinion and Order, FCC Release 19-66; Released July 12, 2019, the FCC eliminated the requirement for RBOCs to continue offering the avoided cost retail discount to resellers, and also eliminated the requirement for RBOCs to continue offering analog loops. On October 28, 2020, the FCC issued its 'UNE Modernizing Forbearance Order' that eliminated the following: a. Unbundling requirements, subject to a reasonable transition period, for enterprise-grade DS1 and DS3 loops; b. Unbundling requirements for broadband-capable DS0 loops in the most densely populated areas, and for voice-grade narrowband loops nationwide; c. Unbundled dark fiber transport provisioned from wire centers within a half-mile of competitive fiber networks but provide an eight-year transition period for existing circuits to avoid stranding investment and last-mile deployment by CLECs that may harm consumers.

contacted industry representatives that were active in the recent FCC dockets cited by CenturyLink, evaluated CenturyLink's market share in Utah with respect to regulated revenues and the number of connections, the history of penalty payments under the PAP, and the effect of changes in the industry (such as the predominance of wireless service, the emergence of VoIP carriers, and other forms of communication). DPU concludes it is in the public interest for the PSC to grant CenturyLink's petition to eliminate the PAP and associated PIDs and to modify its ICAs as requested.

FINDINGS, CONCLUSIONS, AND ORDER

Based on the evidence presented in CenturyLink's petition, the analysis, comments, and recommendation of DPU, and there being no opposition, we find that the PAP and associated PIDs are no longer necessary to achieve parity in Utah's telecommunications market, and we conclude that the elimination CenturyLink requests in this docket is consistent with that finding and with recent federal changes implemented by the FCC. Accordingly, we grant CenturyLink's petition for the elimination of the PAP and the associated PIDs. Additionally, we deem all existing interconnection agreements that currently contain the PAP and PIDs to be modified to incorporate the elimination of the PAP and PIDs, without the need for further filings or approvals.

DOCKET NO. 22-049-06

- 4 -

DATED at Salt Lake City, Utah, October 13, 2022.

/s/ Thad LeVar, Chair

/s/ David R. Clark, Commissioner

/s/ Ron Allen, Commissioner

Attest:

/s/ Gary L. Widerburg
PSC Secretary
DW#325803

Notice of Opportunity for Agency Review or Rehearing

Pursuant to Utah Code Ann. §§ 63G-4-301 and 54-7-15, a party may seek agency review or rehearing of this order by filing a request for review or rehearing with the PSC within 30 days after the issuance of the order. Responses to a request for agency review or rehearing must be filed within 15 days of the filing of the request for review or rehearing. If the PSC fails to grant a request for review or rehearing within 30 days after the filing of a request for review or rehearing, it is deemed denied. Judicial review of the PSC's final agency action may be obtained by filing a Petition for Review with the Utah Supreme Court within 30 days after final agency action. Any Petition for Review must comply with the requirements of Utah Code Ann. §§ 63G-4-401, 63G-4-403, and the Utah Rules of Appellate Procedure.

CERTIFICATE OF SERVICE

I CERTIFY that on October 13, 2022, a true and correct copy of the foregoing was served upon the following as indicated below:

By Email

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BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

**IN THE MATTER OF CENTURYLINK QC'S)
VERIFIED PETITION FOR ELIMINATION OF THE) Docket No. 22-00310-UT
QWEST PERFORMANCE ASSURANCE PLAN AND)
PERFORMANCE INDICATOR DEFINITIONS)**

ORDER GRANTING CENTURYLINK QC'S VERIFIED PETITION

THIS MATTER comes before the New Mexico Public Regulation Commission (the "Commission") upon the Verified Petition for Elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions (the "Petition") filed by CenturyLink QC ("CenturyLink"). CenturyLink requests that the Performance Assurance Plan and related Performance Indicator Definitions currently included in CenturyLink's standard interconnection agreement for agreements between CenturyLink and New Mexico competitive local exchange carriers be eliminated. CenturyLink further requests that its existing interconnection agreements with New Mexico competitive local exchange carriers be deemed modified to remove the Performance Assurance Plan and related Performance Indicator Definitions.

Whereupon, being duly informed, the Commission finds that the Petition should be granted.

THE COMMISSION FINDS AND CONCLUDES:

1. On December 16, 2023, CenturyLink filed the Petition. In the Petition, CenturyLink requests that the Commission issue an order eliminating the Performance Indicator Definitions and Performance Assurance Plan portions of CenturyLink's interconnection agreements ("ICAs") with each New Mexico Competitive Local Exchange Carrier ("CLEC").

2. CenturyLink states that the Performance Indicator Definitions and Performance Assurance Plan have been in place for nearly 20 years and argues that they have become less relevant each year. CenturyLink states that, in 2019 and 2020, the Federal Communications

Commission (“FCC”) further reduced the number of products that CenturyLink must provide to CLECs as unbundled network elements. CenturyLink states that incorporating the recent changes into the ICAs would require expensive system changes and asks, instead, that the Commission allow CenturyLink to eliminate the Performance Indicator Definitions and Performance Assurance Plan entirely.

3. CenturyLink notes that the states of South Dakota, Idaho, Iowa, Montana, Nebraska, Wyoming, North Dakota, Colorado, and Utah have approved similar petitions by CenturyLink.

4. CenturyLink describes the Qwest Performance Assurance Plan as a self-effectuating performance assurance plan that is implemented as part of any ICA between CenturyLink and any CLEC that chooses to include it in the ICAs. CenturyLink describes the Performance Indicator Definitions as the definitions and metrics supporting the Performance Assurance Plan, which also appear in any ICA that includes the Performance Assurance Plan.

5. CenturyLink states that, in February 2020, CenturyLink filed a petition with the Commission to update the Performance Indicator Definitions and Performance Assurance Plan in its New Mexico ICAs in accordance with the FCC’s August 2, 2019, order titled “[Unbundled Network Elements Analog Loop and Resale Forbearance Order]” (the “First Order”). CenturyLink further states that the Commission approved these changes in its Order Granting Petition, issued on May 13, 2020, in Docket No. 20-00054-UT. CenturyLink states that these changes significantly reduced the volume of products and metrics remaining under the Performance Indicator Definitions and Performance Assurance Plan.

6. CenturyLink states that, in October 2020, the FCC issued its “[Unbundled Network Elements] Modernizing Forbearance Order” (the “Second Order”), making further significant changes. CenturyLink states that making the changes required by the Second Order would require CenturyLink “to completely change the architecture of the automated reporting processing.” CenturyLink further states that compliance with the Second Order would require that metrics be compiled at a wire center level rather than at a state level, which would be very costly.

7. CenturyLink states that it has notified impacted CLECs of its proposal to eliminate the Performance Indicator Definitions and Performance Assurance Plan. CenturyLink includes a copy of the notice as an attachment to the Petition.

8. CenturyLink states that, in advance of this filing, it notified CLECs of the planned filing and contacted CLECs to inquire as to their positions regarding CenturyLink’s proposal to remove the Performance Indicator Definitions and Performance Assurance Plan from its ICAs. CenturyLink states that it contacted the CLECs with the highest volume and/or payments under the current plan and received no objections related to the state of New Mexico.

9. CenturyLink argues that adoption of its proposal by the Commission will have only a minimal impact upon New Mexico CLECs. CenturyLink states that payments to CLECs under the Performance Assurance Plan declined from \$205,476 in 2003 to only \$465 in 2022 (up to the filing date of the Petition). CenturyLink further states that both CLEC order volume for services and repair volume covered by the Performance Assurance Plan continue to decline, providing tables illustrating the declines.

10. CenturyLink states that the statistical analysis software that must be utilized in Performance Indicator Definitions/Performance Assurance Plan reporting is required exclusively

for Performance Indicator Definitions/Performance Assurance Plan reporting, causing CenturyLink to incur an additional cost between \$400,000 - \$500,000 annually in addition to conversion project costs.

11. CenturyLink concludes, “In light of the changes to unbundling obligations ordered by the FCC, the decline in services covered by the Performance Indicator Definitions and Performance Assurance Plan and the cost of updating these documents and systems compared to CLECs’ interest in them, CenturyLink QC believes it is time to eliminate them entirely.”

12. CenturyLink asks for the following relief from the Commission: (1) an order approving the elimination of the Performance Indicator Definitions and the Performance Assurance Plan from all interconnection agreements in New Mexico; (2) an order deeming all existing interconnection agreements that currently contain the Performance Assurance Plan and the Performance Indicator Definitions modified to incorporate these revisions without the need for further filings or approvals; and (3) in the event there is no opposition to this Petition within 30 days of filing, the issuance of such an order without a hearing, further filings, or proceedings.

13. The Petition is supported by the verifying affidavit of Nancy Tangeman, Government Operations Director for CenturyLink.

14. On May 11, 2023, Staff of the Telecommunications Bureau of the Commission (“Staff”) filed the Affirmation of Michael S. Ripperger, Telecommunications Bureau Chief. In his Affirmation, Mr. Ripperger affirms that Staff supports the Petition. He further states that CenturyLink has provided adequate notice to CLECs operating in New Mexico, and that the record of this docket shows that there have been no intervention and no filings in the docket except for the Petition and Staff’s Affirmation.

15. Mr. Ripperger provides relevant background information, noting that CenturyLink's predecessor, Qwest Corporation ("Qwest"), was permitted to enter the long-distance market under Section 271 of the federal Telecommunications Act of 1996, in New Mexico and in other states. In exchange, Qwest was required to provide wholesale unbundled service to CLECs on par with the service it provided to itself as adopted through the Qwest Performance Assurance Plan and measured by associated Performance Indicator Definitions. Mr. Ripperger further states that Section 271 approval was designed to allow for competition to develop for local exchange services in the incumbent carrier's (Qwest's) service territory and nationwide in exchange for the incumbent receiving access to long distance calling markets.

16. Mr. Ripperger concludes, "It is evident the focus of the FCC and communications markets are shifting away from the [public switched telephone network] on which Section 271 approval was based towards IP and broadband based services." He further states that "[t]he objective of the 1996 [Federal Telecommunications Act] has largely been accomplished; CLECs have penetrated the markets and competition is healthy." He states that "the demand for Unbundled Network Elements is nowhere near what it once was, and the costs to [CenturyLink] in continuing to preserve and modify the [Qwest Performance Assurance Plan] far outweigh the benefit to competition and CLECs in New Mexico." He concludes that, "Staff therefore believes it is in the public interest for the Commission to grant CenturyLink QC's Petition to discontinue the Qwest Performance Assurance Plan and associated Performance Indicator Definitions in New Mexico as other CenturyLink QC states have done to this date."

17. The Commission has jurisdiction over this matter pursuant to 47 C.F.R. 51.

18. The Commission finds that granting the Petition is in the public interest. CenturyLink and Staff agree that, given the FCC's long-term, consistent trend of eliminating unbundled network element requirements, there is no significant need for Qwest's Performance Assurance Plan and its related Performance Indicator Definitions to be retained in current or future interconnection agreements between CenturyLink and any New Mexico CLEC. Thus, any remaining benefits of retaining the Performance Assurance Plan and its related Performance Indicator Definitions are far outweighed by the substantial costs to CenturyLink of complying with the plan, as well as maintaining and updating its systems for compliance and reporting.

19. The Commission finds that the Petition should be granted without a hearing or other further proceedings as adequate notice was provided to impacted CLECs and as the Petition is unopposed.

IT IS THEREFORE ORDERED:

- A. The Petition is GRANTED.
- B. CenturyLink may omit the Qwest Performance Assurance Plan and Performance Indicator Definitions from all future interconnection agreements that it enters into with New Mexico CLECs.
- C. All of CenturyLink's existing interconnection agreements with New Mexico CLECs that contain the Qwest Performance Assurance Plan and the Performance Indicator Definitions are hereby deemed modified to eliminate the Qwest Performance Assurance Plan and the Performance Indicator Definitions.
- D. This Order is effective immediately.

E. A copy of this Order shall be served upon all persons listed on the attached Certificate of Service via e-mail if their e-mail addresses are known; otherwise, via regular mail.

ISSUED under the Seal of the Commission at Santa Fe, New Mexico, this 17th day of May, 2023.

NEW MEXICO PUBLIC REGULATION COMMISSION

/s/ Gabriel Aguilera, electronically signed

GABRIEL AGUILERA, COMMISSIONER

/s/ James F. Ellison, Jr., electronically signed

JAMES F. ELLISON, JR., COMMISSIONER

/s/ Patrick J. O'Connell, electronically signed

PATRICK J. O'CONNELL, COMMISSIONER



BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION

**IN THE MATTER OF CENTURYLINK QC'S)
VERIFIED PETITION FOR ELIMINATION OF THE) Docket No. 22-00310-UT
QWEST PERFORMANCE ASSURANCE PLAN AND)
PERFORMANCE INDICATOR DEFINITIONS)**

CERTIFICATE OF SERVICE

I CERTIFY that a true and correct copy of the foregoing *Order Granting Centurylink QC's Verified Petition* was sent via email to the parties listed below:

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*Order Granting CenturyLink QC's Petition to Eliminate
Performance Indicator Definitions and Performance
Assurance Plans from Interconnection Agreements*
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Callcatchers Inc/Freedom Voice
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Cebridge Acquisition LP d/b/a Suddenlink Communications
Cecile Archibeque
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Central Valley Electric
CenturyLink Comms., LLC
Centurytel of the Southwest- NM
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Chris Barron
Chris Martinez
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Cincinnati Bell Any Distance, Inc.
Cintex Wireless, LLC
Claro Enterprise Solutions, LLC
CloudCall, Inc. fka Synety, Inc.
Columbus Electric
Comcast OTR1, LLC
Comcast Phone of New Mexico, LLC
Commnet Wireless, LLC
Computer & Network Paramedics, Inc dba G02 Tech
Comtech 21, LLC
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Interface Security Systems,LLC
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DATED this 17th day of May, 2023.

NEW MEXICO PUBLIC REGULATION COMMISSION

/s/ LaurieAnn Santillanes, electronically signed
LaurieAnn Santillanes, Law Clerk

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben
Valerie Means
Matthew Schuerger
Joseph K. Sullivan
John A. Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

In the Matter of CenturyLink QC's Petition for
Elimination of the Qwest Performance Assurance
Plan and Performance Indicator Definitions

SERVICE DATE: May 16, 2023

DOCKET NO. P-421/M-23-115

The above entitled matter has been considered by the Commission and the following disposition made:

- 1. Approved CenturyLink's elimination of Performance Indicator Definitions (PIDs) and Performance Assurance Plan (PAP).**
- 2. Accepted all existing interconnection agreements containing the PAP and PIDs to be modified to incorporate the proposed revisions, effective July 1, 2023, without the need for further filings or approval.**
- 3. Adopted this proposed administrative procedure and granted CenturyLink's request without a hearing, further hearings, or proceedings in the event that no opposition to the current petition is brought to the attention of the Commission within 30 days of the issuance of this Order.**

This decision is issued by the Commission's consent calendar subcommittee, under a delegation of authority granted under Minn. Stat. § 216A.03, subd. 8 (a). Unless a party, a participant, or a Commissioner files an objection to this decision within ten days of receiving it, it will become the Order of the full Commission under Minn. Stat. § 216A.03, subd. 8 (b).

The Commission agrees with and adopts the recommendations of the Department of Commerce, which are attached and hereby incorporated into the Order.

BY ORDER OF THE COMMISSION



Will Seuffert
Executive Secretary



To request this document in another format such as large print or audio, call 651.296.0406 (voice). Persons with a hearing or speech impairment may call using their preferred Telecommunications Relay Service or email consumer.puc@state.mn.us for assistance.

April 21, 2023

Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101-2147

RE: **Reply Comments of the Department in response to the Commission's March 20,2023 Notice of Comment Period**
Docket No. P421/M-23-115

Dear Mr. Seuffert:

Attached are the reply comments of the Minnesota Department of Commerce in response to the Minnesota Public Utilities Commission's March 20, 2023 Notice of Comment Period in the matter of the Qwest Corporation dba CenturyLink QC's petition for the elimination of the Qwest Performance Assurance Plan and Performance Indicator Definitions.

Sincerely,

/s/ DIANE DIETZ
Public Utilities Analyst

/s/ LISA GONZALEZ
Public Utilities Analyst

/s/ ARIELLE TIAMIYU
Public Utilities Analyst

DD/LG/AT/ar
Attachment



Before the Minnesota Public Utilities Commission

Reply Comments of the Minnesota Department of Commerce Division of Energy Resources

Docket No. P421/M-23-115

I. PROCEDURAL BACKGROUND

On March 3, 2023, Qwest Corporation dba CenturyLink QC (CenturyLink) filed a petition requesting Commission approval to eliminate the Qwest Performance Assurance Plan and Performance Indicator Definitions.

On March 20, 2023, the Minnesota Public Utilities Commission (Commission) issued a Notice of Comment Period, in the current docket, requesting that interested parties file comments on the following questions:

- i. Should the Commission approve the elimination of Performance Indicator Definitions (PIDs) and Performance Assurance Plan (PAP)?
- ii. Should the Commission deem all existing interconnection agreements that currently contain the PAP and PIDs to be modified to incorporate these revisions, also effective July 1, 2023, without need for further filings or approvals?
- iii. In the event there is no opposition to this Petition within 30 days, should the Commission grant CenturyLink requests without a hearing, further filings, or proceedings?
- iv. Are there other issues or concerns related to this matter?

On April 18, 2023, the Department filed comments stating that its reply comments would include answers to the questions raised by the Commission in the March 20, 2023 Notice of Comment Period. No other parties filed comments.

II. DEPARTMENT REPLY COMMENTS

- i. **Should the Commission approve the elimination of Performance Indicator Definitions (PIDs) and Performance Assurance Plan (PAP)?**

The Department recommends approval of CenturyLink's proposal in the current docket. No objections have been filed by any of the affected CLECs nor from other parties. CenturyLink has provided documentation showing that the burden of continued compliance with the requirement of maintaining PIDs and PAP outweigh the value derived from these programs.

- ii. **Should the Commission deem all existing interconnection agreements that currently contain the PAP and PIDs to be modified to incorporate these revisions, also effective July 1, 2023, without need for further filings or approvals?**

Given that no parties have filed objections to CenturyLink's proposal, the Department recommends that the Commission deem all existing interconnection agreements containing the PAP and PIDs to be modified to

incorporate the proposed revisions, effective July 1, 2023, without the need for further filings or approvals. To the extent that individual issues arise with specific interconnection agreements, the Department will bring these issues to the attention of the Commission.

iii. In the event there is no opposition to this Petition within 30 days, should the Commission grant CenturyLink requests without a hearing, further filings, or proceedings?

The Department recommends that the Commission adopt this proposed administrative procedure and grant CenturyLink's request without a hearing, further filings, or proceedings in the event that no opposition to the current petition is brought to the attention of the Commission within 30 days.

iv. Are there other issues or concerns related to this matter?

The Department is not aware of other issues or concerns relating to CenturyLink's petition.

CERTIFICATE OF SERVICE

I, Robin Benson, hereby certify that I have this day, served a true and correct copy of the following document to all persons at the addresses indicated below or on the attached list by electronic filing, electronic mail, courier, interoffice mail or by depositing the same enveloped with postage paid in the United States mail at St. Paul, Minnesota.

**Minnesota Public Utilities Commission
ORDER**

Docket Number: **P-421/M-23-115**

Dated this **16th** day of **May, 2023**

/s/ Robin Benson

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Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_23-115_M-23-115
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_23-115_M-23-115
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_23-115_M-23-115
Jason	Topp	jason.topp@lumen.com	CenturyLink Communications, LLC	200 S 5th St Ste 2200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_23-115_M-23-115
Nicole	Westling	nicole.westling@state.mn.us	Department of Commerce	85 7th Place E Suite 280 St Paul, MN 55001	Electronic Service	No	OFF_SL_23-115_M-23-115