

PHILIP E. GRATE

January 6, 2016

Oregon Public Utility Commission Attn: Filing Center P.O. Box 1088 3930 Fairview Industrial Dr SE Salem, OR 97308-1088

RE: Docket UM 1737

CenturyLink Local Service Ordering and Billing System Consolidation Plan

#### Dear Commission:

CenturyLink is consolidating its Local Service ordering and billing systems to streamline processes and systems across CenturyLink's markets. Due to acquisitions, CenturyLink currently operates two different ordering and billing systems for Local Services. As a result, customers that are in multiple locations within CenturyLink's network could be using both systems, making this inefficient for customers and for CenturyLink.

During consolidation, CenturyLink will move all Local Service Request (LSR) ordering to Electronic Administration & Service Order Exchange (EASE) and the associated billing to Ensemble. This consolidation will move properties off the Interconnect Mediated Access (IMA) and Customer Records Information System (CRIS). The first phase of the Consolidation is planned for no earlier than December 2016. Phases two and three are planned for no earlier than mid and late 2017.

CenturyLink has notified affected Wholesale customers and has begun meeting the requirements of the Change Management Process (CMP) detailed in CenturyLink's Interconnection Agreements as well as merger-related settlement agreements. Most recently, CenturyLink filed a detailed "CenturyLink Local Service Ordering and Billing System Consolidation Plan" on January 4th in the CMP forum where CLECs will be able to review the plan and provide comments.

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Pursuant to the requirements of condition 27 (Operations Support Systems (OSS) – Wholesale), in Order No. 11-095 ("Order"), Appendix A, this letter provides notice to the Commission of its planned Wholesale OSS consolidations. CenturyLink has enclosed with this letter a copy of the detailed System Consolidation Plan. The CMP provides all affected carriers the opportunity to comment, employs third party testing, and will ultimately lead to implementation in late 2016 after a vote of acceptance. Because of this, there is no need for the Commission to take any action with respect to this change.

CenturyLink would be happy to provide additional information about the CMP forum and how the Commission can participate or track the progress of this systems consolidation.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

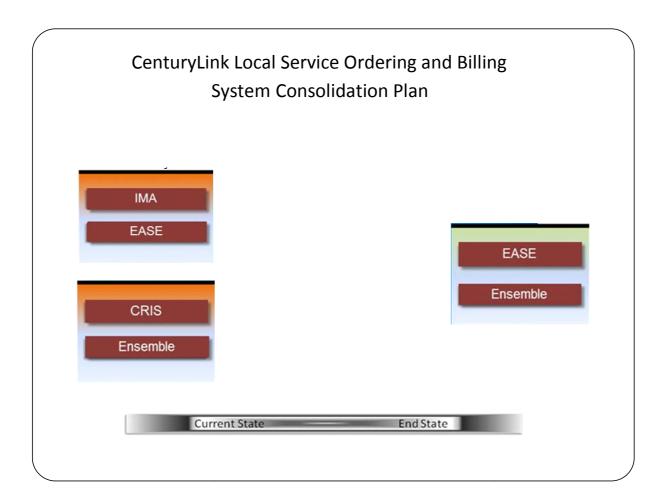
Phil Grate

Regulatory Affairs Director

Enclosure



# CenturyLink Local Service Ordering and Billing System Consolidation Plan



Version 1.0 1/4/16



#### **Document Modification Log**

All revisions to this document are in chronological order.

| Version | Date     | Description of Change  |
|---------|----------|--|
| 1       | 1/4/2016 | Initial Version of Plan with Eastern Consolidation dates specified |
|         |          |  |
|         |          |  |
|         |          |  |
|         |          |  |
|         |          |  |
|         |          |  |

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# 1 Executive Summary

CenturyLink is consolidating Local Service ordering and billing systems to streamline processes and systems across CenturyLink's markets (hereafter, Consolidation). Due to Acquisitions (see Section 1.3), CenturyLink currently operates two different ordering and billing systems for Local Services. As a result, customers that are in multiple locations within CenturyLink's network could be using both systems making this inefficient for the customer and for CenturyLink.

During consolidation, CenturyLink will move all Local Service Request (LSR) ordering to Electronic Administration & Service Order Exchange (EASE) and the associated billing to Ensemble. (Refer to Section: 2: Ordering and Billing System Description for more information.) This consolidation will move properties off the Interconnect Mediated Access (IMA) and Customer Records Information System (CRIS).

The benefits to the wholesale customers and CenturyLink of consolidating the ordering systems across all CenturyLink Markets are to provide:

- Single standardized order entry channel for LSR services
- Standardized process for LSR handling
- Single view of all LSR orders
- One set of training requirements

The benefits to the wholesale customers and CenturyLink of consolidating the billing systems across all CenturyLink Markets are to provide:

- Single process for LSR billing functions
- Consistent billing levels i.e. grouping of accounts across states
- Consistent method to view the billing for any products and services ordered on an LSR
- Consistent bill format for all local billing

To reduce the risks associated with a conversion, the conversion will be implemented in three phases, one CRIS region at a time.

#### 1.1 Scope

The CenturyLink Local Service Ordering and Billing System Consolidation Plan (hereafter; the Consolidation Plan) document provides CenturyLink's wholesale customers, (hereafter; Customers) with further information about the Consolidation and how they will be affected.

The purpose of this document is to cover the scope of the Consolidation Plan to fulfill specific requirements of settlement agreements with various parties, as well as associated state commission and FCC orders, related to the CenturyLink/Qwest merger (hereafter, Merger Requirements). This document summarizes the critical milestones that will occur when CenturyLink consolidates the Current State Ordering and Billing Systems into the End State solution. The Consolidation is planned for no earlier than December 2016.



#### 1.1.1 Items Not in Scope:

Items that are not in-scope for this project include, but are not limited to:

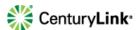
- Future system enhancements to EASE resulting from Local Service Ordering Guidelines (LSOG) updates beyond the upgrades specified in this project
- Access Service Request (ASR) processing

#### 1.2 Assumptions

The following is a list of assumptions that are applicable during implementation and upon completion of the Consolidation:

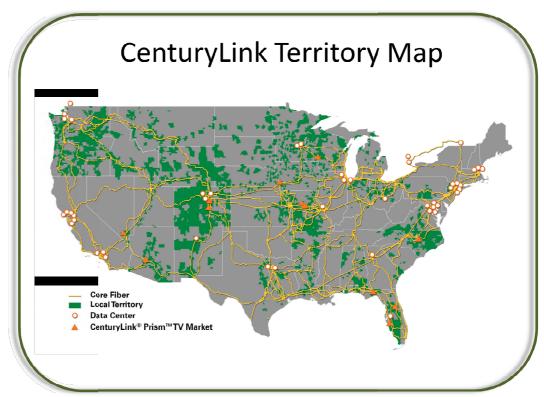
- CenturyLink will comply with all applicable Merger Requirements
- CenturyLink will utilize the existing Qwest Corporation d/b/a CenturyLink
  Change Management Process (CMP) to communicate system and
  product/process changes in the appropriate timing and format.
  CenturyLink will fully utilize CMP post Consolidation. To view the
  complete CMP document, visit the CMP Website or click on the
  Wholesale Change Management Process Document link
- The CMP timeline will be adjusted consistent with Merger Requirements
- Customers will enter LSRs in EASE and receive their bill output from Ensemble
- Customers will submit orders in LSOG (Issue 2Q14 Dated June 30, 2014) standard format and in 2<sup>nd</sup> version of XML format
- Completed IMA orders will continue to be available on-line for 24 months from the Consolidation date for inquiry
- CenturyLink will communicate billing account number changes to Customers before the Consolidation
- Historical data for Bill/CSRs will be available for duplicate bill requests for 13 months
- CenturyLink will retain existing output choices for billing media (i.e., paper vs. electronic) at consolidation
- Customers will not have to resend any In-Flight orders In-Flight orders are:

When Customers submit orders and CenturyLink acknowledges acceptance, but the processing of the orders are not complete before the Consolidation weekend.



#### 1.3 Historical Background

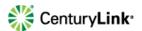
Strategic acquisitions are the primary contributor to CenturyLink's rapid growth. Pacific Telecom, Embarq, and Qwest are a just few of the companies acquired in recent years. CenturyLink also purchased a large number of access lines from GTE in 2000 and Verizon in 2002.



After the acquisition of Embarq in 2009, CenturyLink consolidated the Embarq Service Order Entry (SOE), Customer Records and Billing (CRB) to Ensemble. Embarq used the EASE Service Ordering System before acquisition. CenturyLink adopted Embarq's EASE Service Ordering System ordering into its Local Service Ordering system flow, replacing EZLocal for use in all of its markets at that time.

# 2 Ordering and Billing System Description

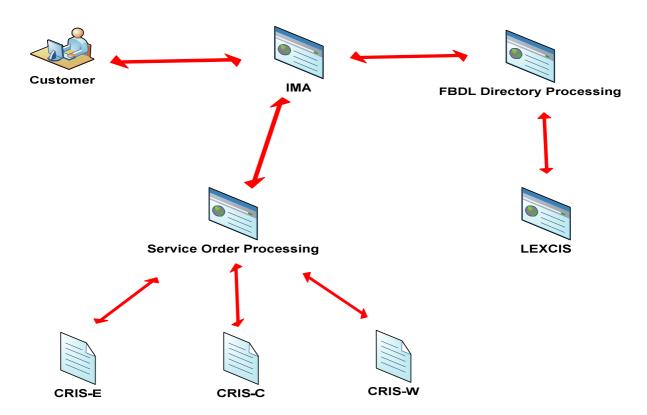
This section provides Customers with Current State and End State Ordering and Billing system views, common features, and information about the differences between Current State and End State systems. It also provides information about the functionality and applications that CenturyLink uses to facilitate Customer and system interfaces.



#### 2.1 Current State System View

CenturyLink currently uses two separate Local Service Request Ordering and Billing Systems. CenturyLink uses both EASE and IMA for Local Service Request Ordering. CenturyLink uses Ensemble for billing. The diagram below depicts the current state system view for IMA Ordering and CRIS Billing.

# **Current State System View**



#### 2.1.1 CLEC ordering portal

IMA is the current LSR application supporting local service requests for wholesale customers in the Legacy Qwest markets of CenturyLink. IMA includes a GUI application for direct order entry of LSR orders and pre-order inquiries and the viewing of statuses and notifications. IMA also provides an electronic bonding gateway using XML to support system-to-system integration.

#### 2.1.2 Service Delivery

IMA interfaces to an application called FTS, which constructs an order in one of three regionalized core-ordering applications, called Service Order Processors (SOPs). The SOPS create the Universal Service Order, used by the Telcordia suite of provisioning systems to establish service.



#### 2.1.3 Billing

The Service Order (S.O.) is transmitted from the Service Order Processor to the 3 CRIS regions for billing today.

#### 2.1.4 Facility Based Directory Listing (FBDL)

Directory Listings are sent from IMA to the Qwest Directory Builder application, which creates and stores the directory listing based on LSR Directory requests.

Directory Listings are billed in the LEXCIS billing system.

#### 2.1.5 Nationwide Customer Ordering & Billing

Century Link currently requires, based on end user location, the use of two different systems to deliver local service requests from wholesale customers, EASE and IMA. Multiple billing platforms are also used with different media and invoice formats.

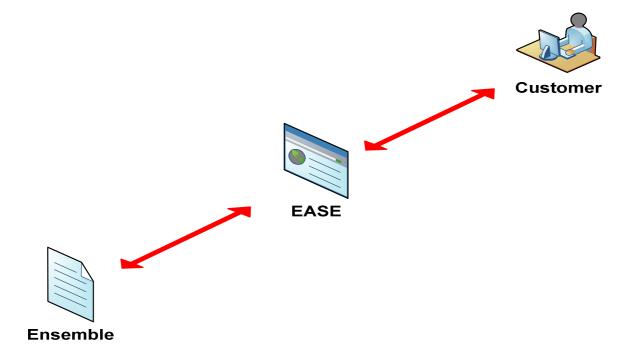
The graphic above illustrates the wholesale process and billing local service today.

## 2.2 End State System View

#### 2.2.1 Transition to common processes and system infrastructure

The following diagram depicts the End State Ordering and Billing System for all CenturyLink Markets.





#### 2.2.2 EASE

EASE is the end state LSR ordering application to be used by Customers, as well as CenturyLink, allowing LSR processing via a GUI and batch files, and real-time XML transactions.

Included within EASE are:

- Edits
- Validations
- Pre-order information queries
- Status information

#### 2.2.3 Ensemble

Ensemble is the end state system that creates the core service order and bills customers for services ordered through LSRs. Ensemble is integrated directly with EASE via an API. The core Ensemble service originates both the service delivery and billing processes. Ensemble also supports the directory listing fulfillment and billing processes.

Ensemble is the billing system application that is used to set up new customer services, facilitate billing services, provision some products and services, view customer information and many other customer-related services.



#### 2.3 Local Service Ordering End State System - EASE

CenturyLink Customers use the Synchronoss based EASE system for LSR Ordering. Synchronoss, founded in 2000, specializes in software and services for Wireline and Wireless Telecommunications Carriers. Headquartered in Bridgewater, NJ, Synchronoss is a publicly traded company (NASDAQ: SNCR) with annual revenue for the fiscal year 2014 of approximately \$457M.

Synchronoss acquired the technology and assets that support the EASE platform as part of its overall acquisition of Wisor Telecom OSS in 2008. Since then, Synchronoss has continued to maintain, enhance, and market the platform supporting EASE.

EASE is an industry compliant order entry and workforce management system that allows end-to-end view and management of the LSR orders. The system consists of GUI and UOM/XML ordering capabilities. The system is robust and table driven with extensive business rule capabilities.

EASE follows industry-standard ordering business rules, including the twice-annual LSOG industry updates. EASE provides the following:

- · Single, centralized platform for all LSR processing
  - Supports both eBonding and Portal (Virtual Front Office (VFO) GUI) capabilities
- Proven carrier-grade solution
  - Solutions are used by major carriers across the US and beyond, including major Incumbent Local Exchange Carriers (ILECs) and Competitive Local Exchange Carriers (CLECs)
  - Extensive features and functions for validation, delivery, and integration
- Compliance with LSOG/LSR industry standards and standard LSR configurations
  - Manages all LSOG updates going forward
- Integration with back office systems
  - Platform Application Programming Interface (API) will support additional integrations as needed for all LSR Order volumes.
- Platform Expandability
  - Local Number Portability (LNP) / Local Service Request (LSR) / Receive custom transaction types



#### 2.3.1 Service Ordering Comparison – IMA to EASE (LSOG 2Q14)

The following matrices provide a comparison of current IMA functionality and EASE LSR functionality that will be available in user acceptance testing and deployed prior to conversion including planned development.

| General Functionality                                 |     | EASE |
|---|-----|------|
| Support eBonding and portal for LSR requests          | Yes | Yes  |
| LSOG Ver 2Q14 Compliant                               | No  | Yes* |
| Auto-populate initiator information from User Profile | Yes | Yes* |
| Field Level Help                                      | Yes | Yes* |
| Error messaging – identifies form and fields          |     | Yes* |
| Auto navigation to fields in error                    |     | Yes  |
| Recapping from pre-order to order                     |     | Yes* |
| Multiple versions of XML                              |     | Yes* |
| Manage Users  |     | Yes  |
| Agent owner relationships                             |     | Yes  |

#### 2.3.1.1 Pre-Ordering

| Pre-Order Functionality   |     | EASE |
|---|-----|------|
| Address Validation (by Street Address or TN)  | Yes | Yes* |
| Appointment Scheduler Query (Select, Change, or Cancel)   | Yes | Yes* |
| Carrier Facility Assignment Validation (Cable Facility, CFA Groups or Units queries)  | Yes | Yes* |
| Customer Service Inquiry & Virtual Customer Service Inquiry Retrieval (by Street Address or TN)                                 |     |      |
| Directory Listing Inquiry (by Account TN, Listed TN, Non-Standard TN, Yes Yes* Caption Name, or SLU Header TN)                  |     | Yes* |
| Design Layout Record Query (by Serial Number Circuit, TN Circuit, Yes Yes' Carriers Facility Circuit, or Message Trunk Circuit) |     | Yes* |
| Facility Availability Validation (by TN, Address, or Circuit)  Yes  Yes*  |     | Yes* |
| Loop Qualification Query (by TN or Circuit)  Ye   |     | Yes* |
| Meet Point Query (POTS Splitter or Cable Connection queries)  |     | Yes* |
| Raw Loop Data Query (by TN, Address, or Circuit)  |     | Yes* |
| Service Availability Query (by State and Service Type)  |     | Yes* |
| TN Reservation Query (by Address and Custom TN selection criteria) Yes Yes  |     | Yes* |

<sup>\*</sup>Indicates some development may be required prior to CLEC testing



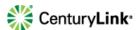
### 2.3.1.2 Ordering

| Order Functionality                            |     | EASE |
|--|-----|------|
| Create and submit a request                    |     | Yes  |
| Revise and resubmit a rejected request Yes Yes |     | Yes  |
| Supplement a request Yes                       |     | Yes  |
| Up front order editing                         | Yes | Yes  |
| Search LSRs                                    | Yes | Yes  |
| Wildcard search                                | Yes | Yes  |
| Order replication and template creation        |     | Yes  |

### 2.3.1.3 Post Ordering

| Post Order Functionality  |     | EASE |
|---|-----|------|
| Viewing and retrieving line loss information Viewing and retrieving line loss information (by Account Number, Working TN, Circuit, Order number, PON, or Completion Date) | Yes | Yes  |
| Status by LSR and/or Service Orders   |     |      |
| Error   | Yes | Yes  |
| Issued FOC  | Yes | Yes  |
| Jeopardy (LSR)  | Yes | Yes  |
| Jeopardy (Internal Service Order)   | Yes | Yes* |
| Order Completed   | Yes | Yes* |
| Physical Work Completed   | Yes | Yes  |
| Posted to be billed   | Yes | Yes* |
| Rejected  | Yes | Yes* |
| Request Completed   | Yes | Yes* |
| Notification Inquiries  |     |      |
| BCN   | Yes | Yes* |
| Bulk  | Yes | Yes* |
| Completion  | Yes | Yes* |
| Confirmation  | Yes | Yes* |
| Error   | Yes | Yes* |
| Jeopardy  | Yes | Yes* |
| PSON  | Yes | Yes* |
| Reject  | Yes | Yes* |
| CFA Inventory   | Yes | Yes* |
| Query for technician status and trouble ticket status   | Yes | Yes* |

<sup>\*</sup>Indicates some development may be required prior to CLEC testing



**Note:** Technical, legal and regulatory changes may affect information provided in the above table. Changes made following the introduction of this document in CMP are not reflected in the table above.

Follow the link to access LSOG: <a href="http://www.atis.org/obf/download.asp">http://www.atis.org/obf/download.asp</a>

#### 2.4 Billing End State System

CenturyLink uses Ensemble to bill services ordered through an LSR.

Ensemble was developed by AMDOCS. AMDOCS is an industry leading billing and OSS platform provider. Many telecom providers, including AT&T, Sprint, T-Mobile and Bell Canada, use their software. AMDOCS has been in business for over 30 years and specializes in Software and Services for communications, media and entertainment industry service providers worldwide. They are particularly well known for their revenue management products.

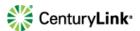
AMDOCS is a publicly traded company (NASDAQ: DOX) with annual revenue for the fiscal year 2014 of approximately \$3.563B.

The Ensemble application is a full service ordering and billing suite currently supporting the legacy CenturyLink retail and wholesale customer base. The Ensemble application is fully integrated into legacy CenturyLink's accounting, regulatory reporting and service delivery platforms.

#### 2.4.1 Billing System Comparison Functionality – CRIS to Ensemble

#### 2.4.1.1 Bill Format

Ensemble uses Price Plans and Feature codes for billing where CRIS uses USOCs (Universal Service Order Codes). The bill provides a Current Charges Summary section that lists Monthly, One-time and Usage charges. Where applicable, Department totals and a Department Summary by sub-department is presented. The Charge Detail section identifies charges (monthly and one-time charges) by Product-ID. Local Usage detail is provided when applicable. Lastly, an account summary page is presented.



The following table shows key capabilities of the System.

| CRIS to Ensemble Billing System Integration |   |  |
|---|---|--|
| Key Capabilities                            | Description   |  |
| Online Bill View                            | CenturyLink will provide the Customer with an external link for up to 13 months of bill invoices. The Customer will be able to sign up for this access. This history will be built going forward after Consolidation.  The current tool is My Account and will be moving to Control Center. |  |
| Media Options                               | Ensemble provides multiple options for receiving bills. Options include paper, online bill viewing, and EDI standard files.   |  |
| Invoices                                    | CenturyLink will continue to provide industry compliant invoices. Refer to separate attachment for Appendix A: Ensemble Invoice & CSR Examples.   |  |

**Note:** Technical, legal and regulatory changes may affect information provided in the above table. The table above does not reflect changes made following the introduction of this document in CMP.

#### 2.4.2 Billing System Differences between CRIS to Ensemble

#### 2.4.2.1 BANS

Ensemble uses a nine digit account number (i.e. 123456789), whereas CRIS uses a TN number format for the Billing Account Number (BAN). CenturyLink will provide the BAN conversion information prior to consolidation.

#### 2.4.2.2 Bill Summary

Account, department, and sub-department summaries are available in the bill.

#### 2.4.2.3 RSID/ZCID

Values from CRIS will be carried over to Ensemble.

**Note:** Technical Specifications will explain any electronic billing file differences, if applicable.



# 3 Consolidation Plan Implementation

The Consolidation Plan provides a framework for informing all participants about the Consolidation.

#### 3.1 Consolidation Plan Schedule and Milestones

#### 3.1.1 Conversion Approach

The overall conversion will be accomplished in phases, corresponding to the three regional CRIS systems:

- Eastern (IA,MN,NE,ND,SD)
- Western (OR, WA)
- Central (AZ, CO,ID,MT,NM,UT,WY)

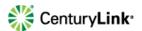
#### 3.1.2 Schedule and Milestones

Consolidation completion for the Eastern region is 12/5/2016. Tentative target for the Western region is 2Q17 and Central region is 4Q17. CenturyLink will comply with all applicable Merger Requirements, including use of the CMP process. This document will be updated when target dates are available for the additional two phases.

The following table shows a list of milestones that impact the Consolidation Plan. CenturyLink will communicate updated milestone dates per the CMP process.

= A milestone, established by the Merger Requirements, that alters the established CMP milestones schedule.

| Consolidation Plan Milestone  | Date     |
|---|----------|
| CMP CR Issuance: SCR110415-1, SCR110415-2, SCR110415-3, SCR110415-4   | 11/4/15  |
| These can be found at:  |          |
| http://www.centurylink.com/wholesale/cmp/cr/crnumber_system_index.  |          |
| html  | 44/46/45 |
| CR Presentation at CMP Meeting  | 11/18/15 |
| LSR Consolidation Plan due  | 1/4/16   |
| Initial Release Notification (for SCR110415-1 and SCR110415-2)  | 1/4/16   |
| Initial Retirement Notice (for SCR110415-3 and SCR110415-4)   | 1/4/16   |
| LSR Consolidation Plan Review Meeting   | 1/18/16  |
| Extended Customer Comment Window for Initial Release Notification, Initial Retirement Notice and Consolidation Plan                 | 2/4/16   |
| CenturyLink issues response to CLEC comments and Final Retirement Notice, including the Final version of the LSR Consolidation Plan | 2/25/16  |
| 3 <sup>rd</sup> Party Facilitator Selected  | 3/4/16   |



| Consolidation Plan Milestone  | Date     |
|---|----------|
| Draft Interface Tech Specs  | 4/8/16   |
| Tech Specs Walk-through   | 4/19/16  |
| CLEC Comments for Interface Tech Specs                                  | 4/25/16  |
| Final Interface Tech Specs  | 4/29/16  |
| L&P Volume Testing  | 6/6/16   |
| (New) GUI Initial Release notice  | 6/23/16  |
| (New) GUI Draft Release notes   | 7/8/16   |
| Product Process Notification associated with Level 2 OSS changes        | 7/8/16   |
| CLEC comments due on (New) GUI Release Notes                            |          |
| CLEC comments due on Level 2 OSS Product Process changes                | 7/15/16  |
| Training available  | 7/15/16  |
| GUI Final Release Notice  | 7/15/16  |
| Final Notice For Level 2 OSS Product/Process Changes                    | 7/22/16  |
| Customer Testing Begins with LSR Consolidation Functionality (120 Days) | 7/29/16  |
| Customer Testing Ends   | 11/28/16 |
| Customer Go/No Go Vote  |          |
| Eastern Region Release to Production                                    |          |

# 3.2 3<sup>rd</sup> Party Facilitator

In accordance with the Merger Requirements, CenturyLink will contract with a 3<sup>rd</sup> Party Facilitator to coordinate between companies during planning and execution of Customer Testing. Refer to Section 3.3.3: Customer Testing.

The 3<sup>rd</sup> Party Facilitator will be engaged in 1Q2016. The CLECS will have the opportunity for input on the 3<sup>rd</sup> Party Facilitator requirements. The Facilitator will assist in Customer Testing scenario development and be available during the 120-day Customer Testing period which begins in 3Q2016.<sup>1</sup>

## 3.3 Consolidation Plan Implementation

This section provides further details on the Consolidation Plan implementation, including testing, training, the conversion weekend consolidation plan, and contingency planning.

#### 3.3.1 Internal CenturyLink Consolidation Testing

CenturyLink will execute test orders through EASE to ensure that proper billing codes assignation occurs and the orders flow successfully into Ensemble for

<sup>&</sup>lt;sup>1</sup> See In the Matter of the Joint Petition for Approval of Indirect Transfer of Control of Qwest Operating Companies to CenturyLink, Minnesota Public Utilities Commission, Docket No. p-421, et al./PA-10-456, Settlement Agreement between the Joint Petitioners and Joint CLECs, March 4, 2011.



billing. CenturyLink business SMEs (Subject Matter Experts) will check for accuracy and completeness.

The following is the standard process that CenturyLink has used for previous consolidations and will use for this system consolidation:

- First, internal testing consisting of 'mock' conversions from CRIS into Ensemble prior to the Customer testing period will be iteratively executed.
- Test bills will be generated and compared to production Ensemble bills for accuracy.

Automated comparisons will occur for all circuits/products that are on the account, all monthly recurring charges, taxes, and any in-flight activity such as pending payments, one time charges and disputes. CenturyLink resources will investigate fallout and issues during the comparison process and update the processes/programs to achieve billing accuracy.

CenturyLink SMEs from EASE/IMA and CRIS/Ensemble systems and process areas will participate in testing and validation efforts. In addition, contract resources will supplement these internal resources to ensure intense focus on Consolidation activity and to allow 24-hour cycles.

#### 3.3.2 Training and Process Plan

Per the Merger Agreement, CenturyLink will provide Customer training and education without charge.

For the Consolidation, CenturyLink will provide the following:

- CenturyLink will provide updated EASE Customer training
- CenturyLink will conduct a Customer walk through session prior to the start of Customer testing
- An additional Customer walk-through of the training will be conducted before Consolidation
- CenturyLink will provide updated external documentation prior to the beginning of the Customer testing phase

#### 3.3.3 Customer Testing

In accordance with the Merger Agreement, CenturyLink will make available a testing environment at the appropriate time for the Customers to test orders into the EASE ordering system. A testing schedule will allow the generation of test bills and CSRs at scheduled intervals during the 120-day testing window. Before testing begins, the process to log and track defects will be communicated.

#### 3.3.4 Load & Performance (L&P) Testing

CenturyLink completed an analysis of the increased demand on EASE to process IMA transactions. To meet the needs of the expected volume from this analysis, EASE processing capability was increased. CenturyLink modifies processing capacity by using internal virtual server environments allowing CenturyLink to respond quickly to capacity issues.



In addition to the completed performance analysis, CenturyLink will perform a Load & Performance test on EASE based on the anticipated needs after the IMA volume is included. Specifically:

- The Load & Performance test will be conducted prior to Consolidation, but no later than end of 3Q2016
- The combined LSR transaction volume for the preceding 36 months will be made available to Customers
- The highest monthly volume of aggregate transactions for the preceding 12 months will serve as the testing baseline
- Using the highest monthly volume, a single day's average transaction volume of LSRs will be calculated
- 125% of the single day's transaction volume will be processed and performance metrics captured
- These metrics will be available to Customers

#### 3.3.5 Production Conversion Plan

The overall Consolidation from ordering through billing will be implemented in three phases: Eastern, the weekend of December 2, 2016, and two more conversions for Central and Western regions in 2017. These conversions will be flash cuts of the IMA and CRIS applications that are in use for that region prior to the conversion. The EASE LSR and Ensemble applications will then be in use for that region post-conversion. This means that Customers will submit orders via IMA pre-Consolidation weekend and new orders post-Consolidation will go into EASE. The weekend Consolidation cutover will be for all properties in the impacted regions. The Consolidation weekends will be scheduled near the end of a month following the completion of all billing cycles for that month, and before any billing cycles executed in the following month.

Customers' will receive notifications of the Consolidation's extended weekend maintenance window. There will be a live bridge open at CenturyLink with key CenturyLink resources that will be available to immediately investigate and address any concerns once the production systems are back online. Customers will receive issue ticket logging and escalations processes prior to the Consolidation weekend. At Consolidation, all existing products billed in CRIS will convert and all new bills will be generated from Ensemble for the impacted region.

#### 3.3.6 Contingency Plan

A backup of all relevant source and target databases will occur at the beginning of the extended maintenance window immediately as part of conversion. Once these backups complete successfully, consolidation activities will begin. The Ensemble database will contain CRIS products, in-flight orders will be contained in the end state databases and internal validation will occur.

In the event of catastrophic issues with the production system during consolidation weekend, the original databases' pre-consolidation state restoration would occur through a predefined back-out plan. The implementation of this plan would only occur in the event of catastrophic issues with the production system during that weekend. In the unlikely event this back-out plan is



required, the decision would be made in time to have the systems available on the Monday following consolidation weekend.

Once the consolidation is complete and validated, source databases will be modified to 'read only' to allow view capability where applicable.



# Appendix A: Ensemble Invoice & CSR Examples (Redacted)

CRIS Redacted Resale Bill:



Ensemble Redacted Resale Bill:



ENSEMBLE BILL.docx



# **Appendix B: Regulatory Organizations, Guidelines and Standards**

The following is a list of regulatory organizations, guidelines and industry standards mentioned in this document.

- LSOG (Local Service Ordering Guidelines)
  - o http://www.atis.org/obf/download.asp
- CMP (CenturyLink Change Management Process)
  - o http://www.centurylink.com/wholesale/cmp/review.html
- FCC (Federal Communications Commission)
  - o www.fcc.gov/
- PUC (Public Utility Commissions)
  - The following link is to the National Association of Regulatory Utility Commissioners. You will be able to obtain information about Public Utilities Commissions by State

http://www.naruc.org/Commissions/



# **Appendix C: Glossary**

The glossary lists terms and acronyms used in this document with descriptions and definitions.

| Term/Acronym                 | Description/Definition   |
|------------------------------|--|
| API                          | Application Programming Interface  |
| BAN                          | Billing Account Number   |
| CFA                          | Carrier Facility Assignment  |
| CLEC                         | Competitive Local Exchange Carrier   |
| СМР                          | Change Management Process  |
| CRB                          | Customer Records and Billing   |
| CRIS                         | Customer Records and Information System  |
| CSR                          | Customer Service Records   |
| Current State<br>System View | Denotes CenturyLink's existing systems and their functionality pre-Consolidation |
| EASE                         | Electronic Administration & Service Order  |
| End State System<br>View     | Denotes CenturyLink's systems and functionality post Consolidation               |
| FBDL                         | Facility Based Directory Listing   |
| FCC                          | Federal Communications Commission (USA)  |
| GUI                          | Graphical User Interface   |
| ILEC                         | Incumbent Local Exchange Carrier   |
| IMA                          | Interconnect Mediated Access   |
| LEC                          | Local Exchange Carrier   |
| LEXCIS                       | Local Exchange Carrier Invoice System  |
| LNP                          | Local Number Portability   |
| LSOG                         | Local Service Ordering Guidelines  |
| LSR                          | Local Service Request  |
| NC                           | Network Channel  |
| NCI                          | Network Channel Interface  |
| OSS                          | Operating Service System   |
| PUC                          | Public Utility Commissions   |
| RLEC                         | Rural Local Exchange Carrier   |
| S.O.                         | Service Order  |
| SOE                          | Service Order Entry  |
| UOM                          | Uniform Ordering Model   |



| USOC | Universal Service Order Code |
|------|------------------------------|
| VFO  | Virtual Front Office         |
| WTN  | Working Telephone Number     |
| XML  | eXtensible Markup Language   |



# **Appendix D: Document Authors**

The table below lists the qualifications of the document authors including information technology professionals with substantial experience and knowledge regarding CenturyLink systems, process, and requirements.

| Title   | Years of Telco<br>Experience | Service in<br>CenturyLink | Service in Qwest | Role in Preparation of<br>Consolidation Plan                             |
|---|------------------------------|---------------------------|------------------|--|
| Director Access Billing   | 17                           | 17                        | 0                | Access Billing   |
| Director IT Conversion  | 20                           | 20                        | 0                | IT Conversion and Architecture   |
| Director Wholesale<br>Ordering, Enterprise<br>eBilling & CPE<br>Development | 26                           | 4                         | 13.5             | Director Wholesale Ordering,<br>Enterprise eBilling & CPE<br>Development |
| Director of Wholesale<br>Support  | 32                           | 32                        | 0                | Reviewer to ensure compliance with merger commitments                    |
| Director Wholesale<br>Technical Support                                     | 25                           | 4                         | 21               | OSS & Technical Support  |
| Lead Process Analyst  | 30                           | 4                         | 26               | Change Management Process,<br>Lead Process Analyst                       |
| Lead Witness  | 16                           | 4                         | 12               | Qwest Merger Commitments SME   |
| Manager Credit<br>Management  | 35                           | 4                         | 31               | Qwest Billing Process SME  |
| Manager Program /<br>Project Management -<br>Ordering                       | 26                           | 26                        | 0                | Manager Program / Project<br>Management - Ordering                       |
| Manager Program /<br>Project Management -<br>Wholesale                      | 21                           | 4                         | 17               | Manager Program / Project<br>Management - Wholesale                      |
| Sr. Lead Analyst  | 33                           | 4                         | 29               | Qwest Change Management<br>Process, Sr. Lead Analyst                     |
| Sr. Lead Process<br>Analyst   | 35                           | 4                         | 31               | Qwest Billing Process  |
| Sr. Lead Project<br>Manager   | 15                           | 4                         | 11               | Overall Project Manager for completion of the Consolidation Plan         |



#### Monthly Account Summary

| Previous Ralance<br>New Charges (see below) Due 1/19/19 | 0.00<br>177.50 |
|---|----------------|
| Total Amount Due  | \$177.50       |
| Payment Due By  | 1/19/19        |
| New Charges Summary                                     |                |
| Internet  | 177.50         |
| Home Phone  | 0.00           |
| Television  | 0.00           |
| Wireless Phone  | 0.00           |
| Total New Charges                                       | \$177.50       |



CenturyLink P O Box 29040 Phoenix, AZ 85038-9040



#### Information About Your Account

All CenturyLink, our top priority is providing you with quality customer senine. As part of that commitment, we have prepared the following information to help you understand your secount. If you need additional assistance, please call Cantinuer Remine at 1 800-244.1111 Cantinuers using Teletype (TTY) claurias CSI direct their inquiries to CenturyLink at 1 800-223-3131, a TTY equipped number.

Charges for your local monthly service are billed one month in advance. Charges for your local morthly service are billed one worth in advance. Charges for other morthly sentines may be hilled offer month in advance or in greats, for example, usage charges may be hilled after the charges are incurred. CenturyLink should renews your payment for the total emerint due on or hefme the due date on your bill. Byou are make to pay by the due date, please-conted Centures Service to avoid possible collection action. All charges must be paid each morth to keep your account current Feiline to pay non-hair charges may result in other collection sorthise, including restriction of long distance notes of internation of other services. CenturyLink packages of features and the amounts shours on the summary page may include both hasin and charges that are not heric.

#### Late Charge Reminder:

Any emercial left unpaid 30 days after bill risks in subject to a 1.62% late-payment charge, except internet and Digital Home Phone charges.

Any amount of Internet and related Internet charges left unpaid 30 days. after bill date is subject to a \$6.00 late payment charge.

Third-Party Billing Block.
Cramming accurs when unauthorized charges appear on your telephone bill. To help prevent unwanted third party charges off your bill, contact CenturyLink and request, at no charge, a bill block that will prevent some third party charges are in 8s charinhals contributions, disk-up internet by non-CenturyLink companies or other non-telephoneumuninations charges from appearing on your bill.

|  | nmily changes. Your needs change. A<br>ide you with the right communication<br>35.5171 today.   |  |
|--|---|--|
| Fmail  | Signature   | Dates / /<br>Annount 4:  |
| Automatic Payment, Simple, firms again. By checking the bo | x below, fill in the information above and return v Fffortlass. Accurate With the automatic payment plan y xand filling in the information requested above, you are a thy to CenturyLink. You can also sign up for automatic paym | ou never have to work shout paying your bill on<br>authorizing your hank to debit the monthly amount |
|  | Sava paper and streamline your bill by choosing our sun<br>tinformation requested above. As always, you can get to<br>I.  |  |
| Go Green with Paperless Bill                               | ing. To stop receiving a monthly paper bill and start receiving, it stop receiving a monthly paper bill and start receiving.  |  |



#### Summary of Your New Charges

| Service                     | Total With<br>Savings |
|-----------------------------|-----------------------|
| Internet - page 3           |                       |
| Internet Monthly Charges    | 73 99                 |
| Related Monthly Charges     | 10.27                 |
| Service Additions & Changes | 82.04                 |
| Taxes, Fees & Surcharges    | 11 20                 |
| Total Internet Service      | \$177.50              |
| Total New Charges           | \$177.50              |

#### Details of Your Internet Charges

Internet Service Period: Dec 28 - Jan 27

#### Internet Monthly Charges

| Related Monthly Charges Total  | \$10.27 |
|--------------------------------|---------|
| Access Recovery Charge         | 1.78    |
| Federal Access Charge          | 6.50    |
| Local Phone Service            |         |
| Internet Cost Recovery Fee     | 1 99    |
| Internet Service               |         |
| Related Monthly Charges        |         |
|                                |         |
| Internet Monthly Charges Total | \$73.99 |
| Internet - High-Speed Internet | 73 99   |
|                                |         |

#### Service Additions & Changes

#### Internet Service - Dec 12, 2018/Order NumberN13776721

Federal Access Charge Access Recovery Charge Internet Cost Recovery Fee Connect Titanium Installation Charge 19.95 High-Speed Internet Charge for Federal Access Charge Not Previously Billed at \$6.50 from Dec 12 to Dec 28 3.25 Charge for Access Recovery Charge Not Previously Billed at \$1.78 from Dec 12 to Dec 28 .89





## Details of Your Internet Charges (cont.)

| Service Additions & Changes  |         |
|--|---------|
| Charge for Internet Cost Recovery Fee Not Previously Billed<br>at \$1.99 from Dec 12 to Dec 28 | 1.00    |
| Charge for High-Speed Internet Not Previously Billed at<br>\$73.99 from Dec 12 to Dec 28       | 37.00   |
| Internet Service - Dec 14, 2018 Order Number F13776721   |         |
| Remove Service   |         |
|  |         |
| Federal Access Charge  |         |
| Access Recovery Charge   |         |
| Internet Cost Recovery Fee   |         |
| Connect Titanium   |         |
| High-Speed Internet  |         |
| Credit for Federal Access Charge Previously Billed at \$6.50<br>from Dec 14 to Dec 28          | - 2.82  |
| Credit for Access Recovery Charge Previously Billed at<br>\$1.78 from Dec 14 to Dec 28         | 77      |
| Credit for Internet Cost Recovery Fee Previously Billed at<br>\$1.99 from Dec 14 to Dec 28     | 86      |
| Credit for High-Speed Internet Previously Billed at \$73.99 from Dec 14 to Dec 28              | - 32 06 |
| Internet Service - Dec 14, 2018 Order Number   |         |
| Service Installed at New Address   |         |
| Federal Access Charge  |         |
| Access Recovery Charge   |         |
| Internet Cost Recovery Fee   |         |
| Connect Titanium Installation Charge   | 19.95   |
| High-Speed Internet  |         |
| Charge for Federal Access Charge Not Previously Billed at<br>\$6.50 from Dec 14 to Dec 28      | 2 82    |
| Charge for Access Recovery Charge Not Previously Billed at<br>\$1.78 from Dec 14 to Dec 28     | .77     |
| Charge for Internet Cost Recovery Fee Not Previously Billed<br>at \$1.99 from Dec 14 to Dec 28 | .86     |
| Charge for High-Speed Internet Not Previously Billed at<br>\$73.99 from Dec 14 to Dec 28       | 32.06   |
|  | 600.04  |
| Service Additions & Changes Total  | \$82.04 |
|  |         |
| Taxes, Fees & Surcharges   |         |
| Internet Service   |         |
| State Sales at 5, 125%   | 7.88    |
|  |         |





# Details of Your Internet Charges (cont.)

| Total Internet Charges                       | \$177.50 |
|--|----------|
| Taxes, Fees & Surcharges Total               | \$11.20  |
| Telecommunication Relay Service Fund at .33% | .04      |
| Federal Universal Serv Fund at 16.7%         | 2.08     |
| State Sales at 5.125%                        | .76      |
| Federal Excise at 3%                         | .44      |
| Local Phone Service                          |          |

#### Account Name: Account Number:

Page: 1 of 56 Bill Date: Nov. 03, 2015

|                     |  |   |                    | Bill Date: Nov. 03, 2015 |
|---------------------|--|---|--------------------|--------------------------|
| Previous<br>Balance | Payments                               | Adjustments<br>Credits                                | Current<br>Charges | IMPORTANT NEWS           |
| 15,348.74           | 7,776.88 CR                            | 74.03 CR  | 7,767.77           |                          |
| Payment Summ        | ary                                    |   |                    |                          |
| Previous Balance    |  |   | 15,348.74          |                          |
| Payment by          | check received on OC                   | T 09  | 7,776.88 CR        |                          |
| Balance             |  |   | 7,571.86           |                          |
| Adjustments/Cr      | edits Summary<br>revious Balance (Deta | lis on Page 4 )                                       | 74.03 CR           |                          |
| Total Adjustme      | nts                                    |   | 74.03 CR           |                          |
| Current Charge      | Summary                                |   |                    |                          |
| Monthly Charges     |  |   | 7,614.69           |                          |
| One-Time Charg      |  |   | 129.60             |                          |
| Usage Charges       |  |   | 13.48              |                          |
| Discount            |  |   | 0.00               |                          |
| Adjustments         |  |   | 0.00               |                          |
| Taxes, Fees, and    | Surcharges                             |   | 0.00               |                          |
| Total Current C     | harges                                 |   | 7,757.77           |                          |
| Due Date Dec        | c. 02, 2015                            | Amount Due  | 15,255.60          |                          |
|                     |  | occount is past due. If yo<br>bringing your account u |                    |                          |

""PLEASE FOLD, TEAR HERE AND RETURN THIS PORTION WITH YOUR PAYMENT""

FOR CHANGE OF ADDRESS OR PAYMENT AUTHORIZATION: Please check here and complete reverse. Thank You.

D

Account Number:

Amount Due By Dec. 02, 2015 15,255.60

CenturyLink P.O. Box 4300 Carol Stream, IL 60197-4300

#### Account Name: Account Number:

Page: 2 of 56 Bill Date: Nov. 03, 2015

#### Important Notices and Information:

| Allocation of charges:<br>Service Categories | Past Due | Current Month | Total Due |  |
|--|----------|---------------|-----------|--|
| Basic Services                               | 7,334.08 | 7,511.51      | 14,845.59 |  |
| Other Services                               | 163.75   | 246,26        | 410,01    |  |
| All Sancions                                 | 7,497.83 | 7,757.77      | 15.255.60 |  |

Failure to pay Basic charges may result in the disconnection of those Services. Please contact CenturyLink regarding any questions or problems with your bill before the due date.

View and pay your bill online at centurylink.com/myaccount. You will need your authentication code 4812.

On or about November 22, 2015, CenturyLink will contract with Western Union Speedpay to provide additional bill payment services. Under this service, you may pay your bill using your Mastercard, Visa or Discover card, or your ATM or debit card with the STAR, PULSE, NYCE or Accel logo. A convenience fee will apply for all one-time payments. The convenience fee is in addition to any fees charged by your financial institution. CenturyLink will not retain this fee. All other payment methods, including electronic payment using your checking or savings account or a one-time check payment option, remain unchanged. If you have any questions, please visit us at www.centurylink.com/help or contact us at 855-374-6973. Thank you for choosing CenturyLink for your communication needs-we value you as our customer.

When you need answers to questions or help with a problem concerning your telephone, your first call should be to CenturyLink of Ohio, Inc. at 1-800-201-4099 for residential customers or 1-800-201-4102 for business customers. If your complaint is not resolved after you have called CenturyLink, or for general utility information, residential and business customers may contact the public utilities commission of Ohio (PUCO) for assistance at 1-800-686-7826 (toll free) from eight a.m. to five p.m. weekdays, or at <a href="http://www.puco.ohio.gov">http://www.puco.ohio.gov</a>. Hearing or speech impaired customers may contact the PUCO via 7-1-1 (Ohio relay sension).

CenturyLink works every day to bring you solutions that best meet your total communications needs. Stop in and learn more about our value pricing that will help you reduce your household expenses when you bundle all of your services with CenturyLink. You can also pay your bill and check out our newest products and services at your local CenturyLink Customer Experience Center, Visit www.centurylink.com/stores to find the location nearest you.

For your convenience, information about your local phone service is available online at www.centurylink.com.

|                             |                | MONTHLY AUTOPAY AUTHORIZATION FORM I authorize CenturyLink to charge my MasterCard, Visa, Discover, American Express, savings or checking account monthly for any accrued balance on the billing account listed below. |
|-----------------------------|----------------|--|
|                             |                | (We receive the right to revoke this if bank approval is denied)   |
|                             |                | Checking Account #   |
|                             |                | (Write your billing account number on a voided check or copy of a voided check and attach.)  |
|                             |                | Savings Account #  |
| Address Information Changes | Effective Date | (Write your billing account number on a voided deposit slip and attach.)   |
|                             |                | Credit Card Debit Card Exp Date:   |
| New Address                 |                | MasterCard Visa Discover American Express  |
| City                        | State Zip      |  |
|                             |                | Signature required Date  |
| Work Phone ( )              | Home Phone ( ) | Please continue to pay your bill until notified on your statement<br>that autopay is active.   |
|                             |                | Account Number   |

H

#### Account Name: Account Number:

Page: 3 of 56 Bill Date: Nov. 03, 2015

#### Important Notices and Information:

To speak with a customer care associate, call Monday - Friday, 8 a.m. - 9 p.m. EST at the number found on your bill. You can also find our customer care number in the information pages of the telephone directory. Service problems can be reported 24 hours a day, seven days a week by calling 800-786-6272.

United Telephone Company of Ohio DBA CenturyLink

LATE FEE REMINDER: Late fees may be charged each month for any eligible unpaid balances not paid in full by the due date listed on your bill. The methods for calculating late fee amounts vary by state and product. For more information you may access Terms and Conditions and Tariff materials at http://www.centurylink.com/tariffs.

Effective November 1, 2015, we will no longer accept the American Express credit card for any transaction, including bill payments. If you currently pay your CenturyLink bill with an American Express credit card, please visit the CenturyLink website listed in the directions below to learn about alternative ways to pay your bill, including payments online, by phone, by mail, in person or set up an automatic, monthly payment. ACH payments, Visa, MasterCard, and/or Discover are still acceptable payment methods at this time.

If you currently pay your CenturyLink bill with an American Express credit card, please be sure to change your AutoPay payment method as soon as possible to avoid any disruption to your monthly payments. Your prompt attention to this matter is appreciated.

You may provide another form of payment by following these simple steps: Go to www.centurylink.com/help.

Type AutoPay in the Find Answers box.

Click on How to change your AutoPay payment information.

This is where you can update your payment method.

Thank you for choosing CenturyLink for your communication needs--we value you as our customer.

#### Third-Party Billing Block

Cramming occurs when unauthorized charges appear on your telephone bill. To help prevent unwanted third party charges on your bill, contact CenturyLink and request, at no charge, a bill block that will prevent some third party charges such as charitable contributions, dial-up Internet by non-CenturyLink companies or other non-telecommunications charges from appearing on your bill.

CenturyLink should be notified within 90 days after the CenturyLink Bill Date of any billing discrepancies on your statement.

# Account Name: Account Number:

Page: 4 of 56 Bill Date: Nov. 03, 2015

#### **Detail of Payments and Adjustments**

#### Detail of Adjustments (Reflected on Page 1)

| Billing Correction Credit                                   | 0.20  | CR    |
|---|-------|-------|
| Billing Correction Credit                                   | 0.20  | CR    |
| Billing Correction Credit                                   | 0.20  | CR    |
| Billing Correction Credit                                   | 0.20  | CR    |
| Billing Correction Credit                                   | 0.20  | CR    |
| Billing Correction Credit                                   | 0.20  | CR    |
| Billing Correction Credit Access Recovery Charge            | 1.20  | CR    |
| Billing Correction Credit Access Recovery Charge            | 0.88  | CR    |
| Billing Correction Credit Access Recovery Charge            | 88.0  | CR    |
| Billing Correction Credit Interstate EUCL Bus Sub           | 5.30  | CR    |
| Billing Correction Credit Interstate EUCL Bus Sub           | 5.30  | CR    |
| Billing Correction Credit Interstate EUCL Bus Sub           | 3.89  | CR    |
| Remove Access Recovery Charge From OCT 16 To NOV 02         | 0.72  | CR    |
| Remove Access Recovery Charge From OCT 16 To NOV 02         | 0.72  | CR    |
| Remove Interstate EUCL Bus Sub From OCT 16 To NOV 02        | 3.18  | CR    |
| Remove Interstate EUCL Bus Sub From OCT 16 To NOV 02        | 3.18  | 3 CR  |
| Remove Intrastate SLC Bus From OCT 16 To NOV 02             | 3.60  | CR    |
| Remove Intrastate SLC Bus From OCT 16 To NOV 02             | 3.60  | CR    |
| Remove State Telecom Relay Svc Fund From OCT 16 To NOV 02   | 0.01  | CR    |
| Remove State Telecom Relay Svc Fund From OCT 16 To NOV 02   | 0.01  | CR    |
| Remove Vacation Num Reservation - Bus From OCT 16 To NOV 02 | 20.18 | CR CR |
| Remove Vacation Num Reservation - Bus From OCT 16 To NOV 02 | 20.18 | 3 CR  |
|   |       |       |

Total Adjustments 74.03 CR

| Current Charges Summary                          | Service Fro | Service From Nov. 03, 2015 |        |  |
|--|-------------|----------------------------|--------|--|
| Monthly Charges                                  | Qty         | Rate                       | Amount |  |
| 1 Pty Business                                   | 6 @         | 31.70                      | 190.20 |  |
| 1 Pty Business                                   | 2 @         | 29.85                      | 59.70  |  |
| 1 Pty Business                                   | 8 @         | 37.43                      | 299.44 |  |
| 1 Pty Business                                   | 17 @        | 33.64                      | 571.88 |  |
| 3 Way Calling Business                           | 1 @         | 4.31                       | 4.31   |  |
| Additional Listing-Bus                           | 3 @         | 3.00                       | 9.00   |  |
| CFWD Group - Busy Line                           | 2 @         | 4.31                       | 8.62   |  |
| CFWD Group - Do not Answer                       | 6 @         | 1.72                       | 10.32  |  |
| Call Forward Busy Bus                            | 1 @         | 1.72                       | 1.72   |  |
| Call Forward No Ans Bus                          | 2 @         | 1.72                       | 3.44   |  |
| Call Forwarding Business                         | 17 @        | 4.31                       | 73.27  |  |
| Call Return Business                             | 1 @         | 4.31                       | 4.31   |  |
| Caller ID Number Only BUS                        | 14 @        | 8.62                       | 120.68 |  |
| Caller ID Numbr/Name                             | 14 @        | 8.62                       | 120.68 |  |
| Centrex Access Line                              | 8 @         | 31.01                      | 248.08 |  |
| EQ IWM CLEC Select All TN's                      | 5 @         | 3.45                       | 17.25  |  |
| EQ IWM Per TN CLEC Request                       | 4 @         | 4.45                       | 17.80  |  |
| Federal Subscriber Line & Access Recovery Charge | 101 @       | 8.59                       | 867.59 |  |

Page: 5 of 56 Bill Date: Nov. 03, 2015

|   |              | Dili Date. IN | 04. 03, 2013 |
|---|--------------|---------------|--------------|
| Current Charges Summary                                   | Service From | n Nov. 03,    | , 2015       |
| Monthly Charges   | Qty          | Rate          | Amount       |
| Federal Subscriber Line & Access Recovery Charge          | 33 @         | 6.50          | 214.50       |
| Inside Wire Maintenance                                   | 5 @          | 3.45          | 17.25        |
| Inside Wire Maintenance                                   | 4 @          | 4.45          | 17.80        |
| Intrastate SLC Bus  | 33 @         | 6.00          | 198.00       |
| Key Nonrotary   | 4 @          | 50.48         | 201.92       |
| Key Nonrotary   | 1 @          | 56.17         | 56.17        |
| Key System Trunk  | 3 @          | 44.80         | 134.40       |
| Key System Trunk  | 10 @         | 50.48         | 504.80       |
| Multi Line 1 Party Business                               | 5 @          | 29.85         | 149.25       |
| Multi Line 1 Party Business                               | 50 @         | 33.64         | 1,682.00     |
| Multi Line 1 Party Business                               | 12 @         | 31.70         | 380.40       |
| Multi Line 1 Party Business                               | 8 @          | 37.43         | 299.44       |
| Non-Published Non Listed Bus                              | 7 @          | 6.00          | 42.00        |
| Prorated EQ IWM Per TN CLEC Request From OCT 30 To NOV 02 | 1 @          | 0.59          | 0.59         |
| Prorated Inside Wire Maintenance From OCT 30 To NOV 02    | 1 @          | 0.59          | 0.59         |
| Prorated Remote Call Forwarding From OCT 06 To NOV 02     | 1 @          | 15.64         | 15.64        |
| Remote Call Forwarding                                    | 4 @          | 16.76         | 67.04        |
| Restrct-3rd#1 Collect                                     | 1 @          | 1.29          | 1.29         |
| Subscriber Line Charge - Intrastate                       | 101 @        | 8.90          | 898.90       |
| Toll Restrict 0+/800 Allowed                              | 1 @          | 4.31          | 4.31         |
| Voicemail - Alternate Ids                                 | 5 @          | 3.00          | 15.00        |
| Voicemail Basic-CLC                                       | 1 @          | 6.95          | 6.95         |
| Voicemail Elite   | 1 @          | 9.95          | 9.95         |
| Zone Charge 1   | 11 @         | 1.03          | 11.33        |
| Zone Charge 2   | 24 @         | 2.37          | 56.88        |
| Total Monthly Charges                                     |              |               | 7,614.69     |
| One-time Charges  |              |               |              |
| Access Line-1st Line                                      |              |               | 21.54        |
| Central Office Line Charge Bus                            |              |               | 17.46        |
| Charge Per RCF Line                                       |              |               | 51.70        |
| Primary Order Charge - Bus                                |              |               | 31.65        |
| Trip Charge - Business                                    |              |               | 7.25         |
| Total One-time Charges                                    |              |               | 129.60       |
| Usage Charges   | Calls        | Mins          |              |
| Call Return Business                                      | 8            |               | 6.56         |
| Directory Assistance - Local                              | 5            |               | 6.10         |
| Repeat Dial Business                                      | 1            |               | 0.82         |
| Total Usage Charges                                       | 14           |               | 13.48        |
| Total Current Charges                                     |              |               | 7,757.77     |

### **Contact Numbers**

1-800-578-8169 Provisioning and Billing Inquiries

1-800-578-8169 Option 1 Repair

1-800-335-5672 Disputes/Collections/Payments/Payment Arrangements

Or email us at:

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## **Contact Numbers**

Billing Inquiries - dctr-billing@centurylink.com Billing Disputes - wholesale.dispute@centurylink.com

Or visit us online at: www.centurylink.com/wholesale/

## **Carrier Changes and Information**

LINE NUMBER

LOCAL TOLL CARRIER LONG DISTANCE CARRIER

Changed From on SEP 28 By LOA

Changed From on SEP 28 By LOA

Page: 7 of 56 Bill Date: Nov. 03, 2015

| Department    | Total Charges |
|---------------|---------------|
| No Department | 7,217.57      |
| 0419          | 179.17        |
| 0740          | 57.29         |
| 0937          | 303.74        |
| Grand Total   | 7,757.77      |

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|        |                    | Dep                 | artment Sumr     | nary      |             |                  |
|--------|--------------------|---------------------|------------------|-----------|-------------|------------------|
| Number | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charges |
|        | 32.40              | 84.44               | 0.00             | 0.00      | 0.00        | 116.84           |
|        | 61.04              | 0.00                | 0.00             | 0.00      | 0.00        | 61.04            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 72.68              | 0.00                | 0.00             | 0.00      | 0.00        | 72.68            |
|        | 46.14              | 0.00                | 0.00             | 0.00      | 0.00        | 46.14            |
|        | 62.86              | 0.00                | 0.00             | 0.00      | 0.00        | 62.86            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 62.86              | 0.00                | 0.00             | 0.00      | 0.00        | 62.86            |
|        | 58.55              | 0.00                | 0.00             | 0.00      | 0.00        | 58.55            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 45.23              | 0.00                | 0.00             | 0.00      | 0.00        | 45.23            |
|        | 45.23              | 0.00                | 0.00             | 0.00      | 0.00        | 45.23            |
|        | 45.23              | 0.00                | 0.00             | 0.00      | 0.00        | 45.23            |
|        | 60.10              | 0.00                | 0.00             | 0.00      | 0.00        | 60.10            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 60.10              | 0.00                | 0.00             | 0.00      | 0.00        | 60.10            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 51.50              | 0.00                | 0.00             | 0.00      | 0.00        | 51.50            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 67.97              | 0.00                | 0.00             | 0.00      | 0.00        | 67.97            |
|        | 67.97              | 0.00                | 0.00             | 0.00      | 0.00        | 67.97            |
|        | 67.97              | 0.00                | 0.00             | 0.00      | 0.00        | 67.97            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 67.97              | 0.00                | 0.00             | 0.00      | 0.00        | 67.97            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 59.07              | 0.00                | 0.00             | 0.00      | 0.00        | 59.07            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 48.50              | 0.00                | 0.00             | 0.00      | 0.00        | 48.50            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |

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|        |                    | Dep                 | artment Sumr     | nary      |             |                  |
|--------|--------------------|---------------------|------------------|-----------|-------------|------------------|
| Number | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charges |
|        | 55.05              | 0.00                | 2.44             | 0.00      | 0.00        | 50.29            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 60.16              | 0.00                | 0.00             | 0.00      | 0.00        | 60.16            |
|        | 55.65              | 0.00                | 0.00             | 0.00      | 0.00        | 55.85            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 56,73              | 0.00                | 0.00             | 0.00      | 0.00        | 56.73            |
|        | 52,14              | 0.00                | 0.00             | 0.00      | 0.00        | 52.14            |
|        | 54.92              | 0.00                | 0.00             | 0.00      | 0.00        | 54.92            |
|        | 73.66              | 0.00                | 0.00             | 0.00      | 0.00        | 73.66            |
|        | 49.93              | 0.00                | 0.00             | 0.00      | 0.00        | 49,93            |
|        | 33.52              | 0.00                | 0.00             | 0.00      | 0.00        | 33.52            |
|        | 16.76              | 0.00                | 0.00             | 0.00      | 0.00        | 16.76            |
|        | 44.20              | 0.00                | 0.00             | 0.00      | 0.00        | 44.20            |
|        | 44.20              | 0.00                | 0.00             | 0.00      | 0.00        | 44.20            |
|        | 44.20              | 0.00                | 0.00             | 0.00      | 0.00        | 44.20            |
|        | 55.93              | 0.00                | 0.00             | 0.00      | 0.00        | 55,93            |
|        | 49.93              | 0.00                | 0.00             | 0.00      | 0.00        | 49.93            |
|        | 65.66              | 0.00                | 0.00             | 0.00      | 0.00        | 65.86            |
|        | 65.66              | 0.00                | 0.00             | 0.00      | 0.00        | 65.86            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.50              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.50            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.50              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 49.19              | 0.00                | 0.00             | 0.00      | 0.00        | 49.19            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 51.56              | 0.00                | 0.00             | 0.00      | 0.00        | 51.56            |
|        | 42.35              | 0.00                | 0.00             | 0.00      | 0.00        | 42.35            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 51.13              | 0.00                | 0.00             | 0.00      | 0.00        | 51.13            |
|        | 45.14              | 0.00                | 0.00             | 0.00      | 0.00        | 45.14            |
|        | 52.14              | 0.00                | 0.00             | 0.00      | 0.00        | 52.14            |
|        | 47.34              | 0.00                | 0.00             | 0.00      | 0.00        | 47.34            |
|        |                    |                     |                  |           |             |                  |
|        | 47.34              | 0.00                | 0.00             | 0.00      | 0.00        | 47.34            |
|        | 42.35<br>47.34     | 0.00                | 0.00             | 0.00      | 0.00        | 42.35            |

16.76

15.64

25.85

46.14

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32.40

|                   |                    | Dep                 | artment Sumr     | nary      |             |                  |
|-------------------|--------------------|---------------------|------------------|-----------|-------------|------------------|
| Number            | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charge: |
|                   | 47,34              | 0.00                | 0.00             | 0.00      | 0.00        | 47.34            |
| Charges           | 7,076.95           | 129.60              | 11.02            | 0.00      | 0.00        | 7,217.67         |
| Taxes, Fees, and  | Surcharges         |                     |                  |           |             | 0.00             |
| Sub-Total for Dep | t: No Department   |                     |                  |           |             | 7,217.57         |
| Total For Dept: 1 | to Department      |                     |                  |           |             | 7,217.57         |
| Total for Sut     | Dept: 221          |                     |                  |           |             | 179.17           |
| Total For Dept: 0 | 1419               |                     |                  |           |             | 179.17           |
| Total for Sut     | Dept: 889          |                     |                  |           |             | 57.29            |
| Total For Dept: 0 | 1740               |                     |                  |           |             | 57.29            |
| Total for Sut     | Dept: 686          |                     |                  |           |             | 303.74           |
| Total For Dept: 0 | 1837               |                     |                  |           |             | 303.74           |
|                   |                    |                     | Charge Detail    |           |             |                  |

Local Service from NOV 03 to DEC 02

Product-ID:

Monthly Charges

Remote Call Forwarding

c: Order #:
Prorated Remote Call Forwarding From OCT 06 To NOV 02 PON:

32.40 Total Optional Features/Services

Total Monthly Charges

One-time Charges

PON:

+ Charge Per RCF Line OCT 05

+ Central Office Line Charge Bus OCT 05

+ Primary Order Charge - Bus OCT 05 Order #

5.82 10.55 PON:

Charge Per RCF Line OCT 05

Primary Order Charge - Bus OCT 05

Central Office Line Charge Bus OCT 05

Total One-time Charges Order # 25.65 10.55

5.62 94.44

Charge Detail For 118.84

Product40:

Monthly Charges 1 Pty Business

33.64 Federal Subscriber Line & Access Recovery Charge Federal Subscriber and Intrastate SLC Bus
Total Local Exchange Services 6.50 6.00

# EQ IWM Per TN CLEC Request # Inside Wire Maintenance 4.45 4.45 Non-Published Non Listed Bus 6.00

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|                         |  |       | Page: 12      |             |
|-------------------------|--|-------|---------------|-------------|
|                         |  |       | BIII Date: No | v. u3, 2015 |
|                         | Charge Det   | ail   |               |             |
| posi Service from NOV 0 | e to DEC 89  |       |               |             |
|                         | 5 to 525 to  |       |               |             |
| roduat-ID:              |  |       |               |             |
| ionthly Charges         |  |       |               |             |
|                         | Total Optional Features/Services   |       | 14.90         |             |
|                         | Total Monthly Charges  |       |               | 61.04       |
| Charge Detail For       |  |       |               | 81.04       |
| roduct-ID:              |  |       |               |             |
| Ionthly Charges         |  |       |               |             |
|                         | ne & Access Recovery Charge  | 8.59  |               |             |
| Multi Line 1 Party Bus  |  | 33.64 |               |             |
| Subscriber Line Charg   |  | 8.90  |               |             |
|                         | Total Local Exchange Services  |       | 51.13         |             |
|                         | Total Monthly Charges  |       |               | 51.13       |
| Charge Detail For       |  |       |               | 61.13       |
| roduct-ID:              |  |       |               |             |
| Ionthly Charges         |  |       |               |             |
|                         | ne & Access Recovery Charge  | 8.59  |               |             |
| Multi Line 1 Party Bus  | Control of the Contro | 33.64 |               |             |
| Subscriber Line Charg   |  | 8.90  |               |             |
| COLUMN COLUMN           | Total Local Exchange Services  | 0.00  | 51.13         |             |
|                         | Total Monthly Charges  |       |               | 61.13       |
| Charge Detail For       |  |       |               | 61.13       |
| Product-ID:             |  |       |               |             |
| Monthly Charges         |  |       |               |             |
|                         | ne & Access Recovery Charge  | 8.59  |               |             |
| Multi Line 1 Party Bus  |  | 33.64 |               |             |
| Subscriber Line Chang   |  | 8.90  |               |             |
|                         | Total Local Exchange Services  |       | 51.13         |             |
|                         | Total Monthly Charges  |       |               | 51.13       |
| Charge Detail For       |  |       |               | 61.13       |
| Product-ID:             |  |       |               |             |
| Monthly Charges         |  |       |               |             |
| Federal Subscriber Lin  | ne & Access Recovery Charge  | 0.59  |               |             |
| Multi Line 1 Party Bus  | iness  | 33.64 |               |             |
| Subscriber Line Charg   | ge - Intrastate  | 8.90  |               |             |
| Oddad but bits of big   | Total Land Continues Sendan  |       | 51.13         |             |
| Outside the Orac        | Total Local Exchange Services  |       |               |             |
| out of the orange       | Total Monthly Charges  |       |               | 51.13       |

|                              |                                  | Account Name<br>Account Numb | er: 1         |       |
|------------------------------|----------------------------------|------------------------------|---------------|-------|
|                              |                                  |                              | Page: 13      | of 56 |
|                              |                                  |                              | BIII Date: No |       |
|                              | Charge D                         | )efail                       |               |       |
| .ooal Service from NOV 03 to | o DEC 02                         |                              |               |       |
| Product4D:                   |                                  |                              |               |       |
|                              |                                  |                              |               |       |
| Monthly Charges              | Access Recovery Charge           | 8.59                         |               |       |
| Multi Line 1 Party Busines   |                                  | 33.64                        |               |       |
| Subscriber Line Charge -     |                                  | 8.90                         |               |       |
|                              | Total Local Exchange Services    |                              | 51.13         |       |
| 3 Way Calling Business       |                                  | 4.31                         |               |       |
| Call Forwarding Business     | 1                                | 4.31                         |               |       |
| Call Return Business         |                                  | 4.31                         |               |       |
| Caller ID Numbr/Name         |                                  | 8.62                         |               |       |
|                              | Total Optional Features/Services |                              | 21.55         |       |
|                              | Total Monthly Charges            |                              |               | 72.68 |
| Charge Detail For:           |                                  |                              |               | 72.68 |
| Product-ID:                  |                                  |                              |               |       |
| Monthly Charges              |                                  |                              |               |       |
| 1 Pty Business               |                                  | 33.64                        |               |       |
| Federal Subscriber Line &    | Access Recovery Charge           | 6.50                         |               |       |
| Intrastate SLC Bus           |                                  | 6.00                         |               |       |
|                              | Total Local Exchange Services    |                              | 46.14         |       |
|                              | Total Monthly Charges            |                              |               | 46.14 |
| Charge Detail For            |                                  |                              |               | 48.14 |
| Product40:                   |                                  |                              |               |       |
| Monthly Charges              |                                  |                              |               |       |
| 1 Pty Business               |                                  | 37.43                        |               |       |
| Federal Subscriber Line 8    | Access Recovery Charge           | 6.50                         |               |       |
| Intrastate SLC Bus           |                                  | 6.00                         |               |       |
|                              | Total Local Exchange Services    |                              | 49.93         |       |
| Call Forwarding Business     | 1                                | 4.31                         |               |       |
| Caller ID Number Only BU     | us su                            | 8.62                         |               |       |
|                              | Total Optional Features/Services |                              | 12.93         |       |
|                              | Total Monthly Charges            |                              |               | 62.06 |
| Charge Detail For            |                                  |                              |               | 62.86 |
| Product4D:                   |                                  |                              |               |       |
| Wonthly Charges              |                                  |                              |               |       |
| Federal Subscriber Line 8    | Access Recovery Charge           | 8.59                         |               |       |
| Multi Line 1 Party Busines   |                                  | 37.43                        |               |       |
| Subscriber Line Charge -     | Intrastate                       | 8.90                         |               |       |
|                              | Total Local Exchange Services    |                              | 54.92         |       |
|                              | Total Monthly Charges            |                              |               | 54.92 |
|                              | Total Montally Charges           |                              |               |       |

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| Charge Deta                                      | î     |       |       |
|--|-------|-------|-------|
|  |       |       |       |
| Local Service from NOV 03 to DEC 02              |       |       |       |
| Product-ID:                                      |       |       |       |
| Monthly Charges                                  |       |       |       |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |       |       |
| Multi Line 1 Party Business                      | 37.43 |       |       |
| Subscriber Line Charge - Intrastate              | 8.90  |       |       |
| Total Local Exchange Services                    |       | 64.92 |       |
| Total Monthly Charges                            |       |       | 64.82 |
| Charge Detail For                                |       |       | 54.92 |
| Product-ID:                                      |       |       |       |
| Monthly Charges                                  |       |       |       |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |       |       |
| Multi Line 1 Party Business                      | 37.43 |       |       |
| Subscriber Line Charge - Intrastate              | 8.90  |       |       |
| Total Local Exchange Services                    |       | 64.92 |       |
| Total Monthly Charges                            |       |       | 64.82 |
| Charge Detail For                                |       |       | 54.92 |
| Product-ID:                                      |       |       |       |
| Monthly Charges                                  |       |       |       |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |       |       |
| Multi Line 1 Party Business                      | 37.43 |       |       |
| Subscriber Line Charge - Intrastate              | 8.90  |       |       |
| Total Local Exchange Services                    |       | 64.92 |       |
| Total Monthly Charges                            |       |       | 54.92 |
| Charge Detail For                                |       |       | 54.92 |
| Product-ID:                                      |       |       |       |
| Monthly Charges                                  |       |       |       |
| 1 Pty Business                                   | 37.43 |       |       |
| Federal Subscriber Line & Access Recovery Charge | 6.50  |       |       |
| Intrastate SLC Bus                               | 6.00  |       |       |
| Total Local Exchange Services                    |       | 49.93 |       |
| Call Forwarding Business                         | 4.31  |       |       |
| Caller ID Number Only BUS                        | 8.62  |       |       |
| Total Optional Features/Services                 |       | 12.93 |       |
| Total Monthly Charges                            |       |       | 62.88 |
| Charge Detail For                                |       |       | 62.86 |
| Product-ID:                                      |       |       |       |
| Monthly Charges                                  |       |       |       |
| 1 Pty Business                                   | 37.43 |       |       |
|  |       |       |       |

#### Account Name:

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|                           |                                  |       | BIII Date: No | v. 03, 2015 |
|---------------------------|----------------------------------|-------|---------------|-------------|
|                           | Charge Deta                      | ail   |               |             |
| Local Service from NOV 03 | 3 to DEC 02                      |       |               |             |
| Product40:                |                                  |       |               |             |
| Monthly Charges           |                                  |       |               |             |
| Intrastate SLC Bus        |                                  | 6.00  |               |             |
|                           | Total Local Exchange Services    |       | 49.95         |             |
| Caller ID Number Only     | BUS                              | 8.62  |               |             |
|                           | Total Optional Features/Services |       | 0.62          |             |
|                           | Total Monthly Charges            |       |               | 58.55       |
| Charge Detail For         |                                  |       |               | 68.66       |
| Product-ID:               |                                  |       |               |             |
| Monthly Charges           |                                  |       |               |             |
| Federal Subscriber Lin    | e & Access Recovery Charge       | 8.59  |               |             |
| Multi Line 1 Party Busin  | ness                             | 37.43 |               |             |
| Subscriber Line Charg     |                                  | 8.90  |               |             |
|                           | Total Local Exchange Services    |       | 54.92         |             |
|                           | Total Monthly Charges            |       |               | 54.92       |
| Charge Detail For         |                                  |       |               | 54.92       |
| Product-ID:               |                                  |       |               |             |
| Monthly Charges           |                                  |       |               |             |
|                           | e & Access Recovery Charge       | 8.59  |               |             |
| Multi Line 1 Party Busin  |                                  | 37.43 |               |             |
| Subscriber Line Charge    | e - Intrastate                   | 8.90  |               |             |
|                           | Total Local Exchange Services    |       | 54.92         |             |
|                           | Total Monthly Charges            |       |               | 54.92       |
| Charge Detail For         |                                  |       |               | 54.92       |
| Product-ID:               |                                  |       |               |             |
| Monthly Charges           |                                  |       |               |             |
| Zone Charge 1             |                                  | 1.03  |               |             |
| 1 Pty Business            |                                  | 31.70 |               |             |
|                           | e & Access Recovery Charge       | 6.50  |               |             |
| Intrastate SLC Bus        |                                  | 6.00  |               |             |
|                           | Total Local Exchange Services    |       | 45.23         |             |
|                           | Total Monthly Charges            |       |               | 45.23       |
| Charge Detail For         |                                  |       |               | 45.23       |
| Product4D:                |                                  |       |               |             |
| Monthly Charges           |                                  |       |               |             |
| Zone Charge 1             |                                  | 1.03  |               |             |
| 1 Pty Business            |                                  | 31.70 |               |             |
|                           | e & Access Recovery Charge       | 6.50  |               |             |
| Intrastate SLC Bus        |                                  | 6.00  |               |             |

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|  |       | BIII Date: No | v. 03, 2015 |
|--|-------|---------------|-------------|
| Charge Det                                       | ail   |               |             |
| coal Service from NOV 03 to DEC 02               |       |               |             |
| Product-ID:                                      |       |               |             |
|  |       |               |             |
| Aonthly Charges                                  |       |               |             |
| Total Local Exchange Services                    |       | 45.23         |             |
| Total Monthly Charges                            |       |               | 45.23       |
| Charge Detail For                                |       |               | 46.23       |
| Product-ID: :                                    |       |               |             |
| Monthly Charges                                  |       |               |             |
| Zone Charge 1                                    | 1.03  |               |             |
| 1 Pty Business                                   | 31.70 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 6.50  |               |             |
| Intrastate SLC Bus                               | 6.00  |               |             |
| Total Local Exchange Services                    |       | 45.23         |             |
| Total Monthly Charges                            |       |               | 45.23       |
| Charge Detail For                                |       |               | 46.23       |
| Product-ID:                                      |       |               |             |
| Monthly Charges                                  |       |               |             |
| 1 Pty Business                                   | 33.64 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 6.50  |               |             |
| Intrastate SLC Bus                               | 6.00  |               |             |
| Zone Charge 1                                    | 1.03  |               |             |
| Total Local Exchange Services                    |       | 47.17         |             |
| Call Forwarding Business                         | 4.31  |               |             |
| Caller ID Number Only BUS                        | 8.62  |               |             |
| Total Optional Features/Services                 |       | 12.93         |             |
| Total Monthly Charges                            |       |               | 60.10       |
| Charge Detail For                                |       |               | 80.10       |
| Product-ID:                                      |       |               |             |
| Monthly Charges                                  |       |               |             |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |               |             |
| Multi Line 1 Party Business                      | 33.64 |               |             |
| Subscriber Line Charge - Intrastate              | 8.90  |               |             |
| Total Local Exchange Services                    |       | 51.13         |             |
| Total Monthly Charges                            |       |               | 51.13       |
| Charge Detail For                                |       |               | 61.13       |
| Product-ID: :                                    |       |               |             |
| Monthly Charges                                  |       |               |             |
| 1 Pty Business                                   | 33.64 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 6.50  |               |             |
| Intrastate SLC Bus                               | 6.00  |               |             |

8.90

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#### BIII Date: Nov. 03, 2015 Charge Detail Local Service from NOV 03 to DEC 02 Product-ID: Monthly Charges Total Optional Features/Services Total Monthly Charges 12.93 59.07 Charge Detail For 59.07 Product-ID: Monthly Charges Centrex Access Line 31.01 Federal Subscriber Line & Access Recovery Charge 8.59 Subscriber Line Charge - Intrastate Total Local Exchange Services 8.90 40.50 Additional Listing-Bus 3.00 Total Optional Features/Services 3.00 Total Monthly Charges 51.50 Charge Detail For 51.60 Product-ID: Monthly Charges Centrex Access Line Federal Subscriber Line & Access Recovery Charge 31.01 8.59 Subscriber Line Charge - Intrastate 8.90 Total Local Exchange Services 40.50 Total Monthly Charges 48.50 Charge Detail For : 48.60 Product-ID: Monthly Charges Federal Subscriber Line & Access Recovery Charge 8.59 Key System Trunk 50.48 Subscriber Line Charge - Intrastate Total Local Exchange Services 8.90 67.97 Total Monthly Charges 67.97 Charge Detail For 87.87 Product-ID: \$ Monthly Charges Federal Subscriber Line & Access Recovery Charge 8.59

Key System Trunk Subscriber Line Change - Intrastate

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|  |       | Bill Date: No | v. 03, 2015 |
|--|-------|---------------|-------------|
| Charge Deta                                      | il    |               |             |
| oal Service from NOV 03 to DEC 02                |       |               |             |
| roduct4D:  |       |               |             |
|  |       |               |             |
| #onthly Charges<br>1 Pty Business                | 33.64 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 6.50  |               |             |
| Intrastate SLC Bus                               | 6.00  |               |             |
| Total Local Exchange Services                    | 0.00  | 46.14         |             |
| Call Forwarding Business                         | 4.31  |               |             |
| Caller ID Number Only BUS                        | 8.62  |               |             |
| Total Optional Features/Services                 |       | 12.93         |             |
| Total Monthly Charges                            |       |               | 59.07       |
| Charge Detail For                                |       |               | 69.07       |
| roduet40:  |       |               |             |
| fonthly Charges                                  |       |               |             |
| Centrex Access Line                              | 31.01 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |               |             |
| Subscriber Line Charge - Intrastate              | 8.90  |               |             |
| Total Local Exchange Services                    |       | 48.50         |             |
| Total Monthly Charges                            |       |               | 40.50       |
| Charge Detail For                                |       |               | 48.60       |
| Product-ID:                                      |       |               |             |
| fonthly Charges                                  |       |               |             |
| Centrex Access Line                              | 31.01 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |               |             |
| Subscriber Line Charge - Intrastate              | 8.90  |               |             |
| Total Local Exchange Services                    |       | 48.50         |             |
| Total Monthly Charges                            |       |               | 48.50       |
| Charge Detail For                                |       |               | 48.60       |
| Product-ID:                                      |       |               |             |
| fonthly Charges                                  |       |               |             |
| Centrex Access Line                              | 31.01 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |               |             |
| Subscriber Line Charge - Intrastate              | 8.90  |               |             |
| Total Local Exchange Services                    |       | 48.50         |             |
| Total Monthly Charges                            |       |               | 48.50       |
| Charge Detail For                                |       |               | 48.60       |
| Product-ID:                                      |       |               |             |
| Monthly Charges                                  |       |               |             |
| Centrex Access Line                              | 31.01 |               |             |
| Federal Subscriber Line & Access Recovery Charge | 8.59  |               |             |

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## **Charge Detail**

Local Service from NOV 03 to DEC 02

Product-ID:

Monthly Charges

Total Local Exchange Services 47.34

Total Monthly Charges 47.34

Charge Detail For 47.34

Product-ID:

Monthly Charges

Federal Subscriber Line & Access Recovery Charge 8.59
Multi Line 1 Party Business 29.85
Subscriber Line Charge - Intrastate 8.90

Total Local Exchange Services 47.34

Total Monthly Charges 47.34

Charge Detail For 47.34

Total Charge Detail 7,217.57

Tax, Fees and Surcharges 0.00

Total Current Charges 7,217.57

### Local Usage Detail

#### Local Call Detail

| item   | Date               | Time                 | Called From |    | Called To                |    | Number | Call | Call<br>Type               | Min | Charge       |
|--------|--------------------|----------------------|-------------|----|--------------------------|----|--------|------|----------------------------|-----|--------------|
| 1      | OCT14              | 12:55 pm             |             |    | REPEATDIAL               |    |        |      | Direct Call                |     | 0.82         |
|        | Total for          |                      |             |    |                          |    |        |      |                            |     | 0.82         |
| 2      | OCT06              | 02:46 pm             | LEXINGTON   | OH | DIR ASST                 | OH |        |      | Dir Assist                 |     | 1.22         |
|        | Total for          |                      |             |    |                          |    |        |      |                            |     | 1.22         |
| 3      | OCT20<br>OCT27     | 03:55 pm<br>10:27 am |             |    | CALLRETURN<br>CALLRETURN |    |        |      | Direct Call<br>Direct Call |     | 0.82<br>0.82 |
| 5      | 5 OCT28<br>6 OCT30 | 10:08 am<br>09:13 am |             |    | CALLRETURN<br>CALLRETURN |    |        |      | Direct Call<br>Direct Call |     | 0.82         |
|        | Total for          |                      |             |    |                          |    |        |      |                            |     | 3.28         |
| 7<br>8 | OCT13<br>OCT20     | 11:04 am<br>04:14 p  | JEFFERSON   | ОН | DIR ASST<br>CALLRETURN   | ОН |        |      | Dir Assist<br>Direct Call  |     | 1.22<br>0.82 |
|        | Total for          |                      |             |    |                          |    |        |      |                            |     | 2.04         |
| 9      | OCT13              | 11:08 a              | FERSON      | OH | DIR ASST                 | OH |        |      | Dir Assist                 |     | 1.22         |
|        | Total for          |                      |             |    |                          |    |        |      |                            |     | 1.22         |

<sup>\*\*</sup> Nonregulated Charge(s) - nonpayment for NONREGULATED SERVICES OR PRODUCTS may result in the disconnection or restriction of such services, and such delinquencies may be subject to collection. Local services will not be disconnected for nonpayment of nonregulated charges. Nonpayment of toil charges may result in the disconnection of toil service, and such delinquencies may be subject to collection.

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11.02

| Local L | sage | Detail |
|---------|------|--------|

| tem. | Date      | Time     | Called From      |    | Called To | Number | Call | Call         | Min | Charge |
|------|-----------|----------|------------------|----|-----------|--------|------|--------------|-----|--------|
|      |           |          |                  |    |           |        | Plan | Type         |     |        |
| 10   | OCT06     | 10:18 am | <b>JEFFERSON</b> | ОН | DIR ASST  |        |      | Dir Assist   |     | 1.22   |
| 11   | OCTD6     | 10:20 am | <b>JEFFERSON</b> | OH | Call Comp |        |      | Oper Handled |     | 0.00   |
| 12   | OCT16     | 12:22 pm | JEFFERSON        | OH | DIR ASST  |        |      | Dir Assist   |     | 1.22   |
|      | Total for |          |                  |    |           |        |      |              |     | 2.44   |

Total Of Itemized Calls

# Department:

## **Sub-Department Summary**

| Number         | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charges |
|----------------|--------------------|---------------------|------------------|-----------|-------------|------------------|
| Total for Sec  | tion:              |                     |                  |           |             | 72.66            |
| Total for Sec  | tion:              |                     |                  |           |             | 66.39            |
| Total for Sec  | tion:              |                     |                  |           |             | 61.13            |
| al For Sub Dep | t:                 |                     |                  |           |             | 179.17           |

Department: 0419 Sub Department:

## **Section Summary**

| Number             | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charges |
|--------------------|--------------------|---------------------|------------------|-----------|-------------|------------------|
|                    | 71.01              | 0.00                | 1.64             | 0.00      | 0.00        | 72.65            |
| Charges            | 71.01              | 0.00                | 1.64             | 0.00      | 0.00        | 72.86            |
| Taxes, Fees, and S | Surcharges         |                     |                  |           |             | 0.00             |
| Total For Section: |                    |                     |                  |           |             | 72.8             |

### Department:

Sub Department : Section :

## **Charge Detail**

Local Service from NOV 03 to DEC 02

### Product-ID:

#### Monthly Charges

Federal Subscriber Line & Access Recovery Charge 8.59
Multi Line 1 Party Business 33.64
Subscriber Line Charge - Intrastate 8.90

Total Local Exchange Services 61.13

 Call Forward No Ans Bus
 1.72

 Call Forwarding Business
 4.31

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### Department :

Sub Department : Section

## **Charge Detail**

Local Service from NOV 03 to DEC 02

Product-ID:

### Monthly Charges

 \*\* EQ IWM CLEC Select All TN's
 3.45

 \*\* Inside Wire Maintenance
 3.45

 \*\* Volcemall Basio-CLC
 6.95

Total Optional Features/Services 19.8

Total Monthly Charges 71.01

Usage Charges

Call Return Business

Total Usage Charges 1.84

1.64

| Charge Detail For            | 72.65 |
|------------------------------|-------|
| Total Charge Detail For      | 72.65 |
| Tax, Fees and Surcharges For | 0.00  |
| Total Current Charges For    | 72.65 |

<sup>\*\*</sup> Nonregulated Charge(s) - nonpayment for NONREGULATED SERVICES OR PRODUCTS may result in the disconnection or restriction of such services, and such delinquencies may be subject to collection. Local services will not be disconnected for nonpayment of nonregulated charges. Nonpayment of toil charges may result in the disconnection of toil service, and such delinquencies may be subject to collection.

### Local Usage Detail

| Local | Call | De | tall |
|-------|------|----|------|

| Item | Date           | Time                 | Called From | Called To                | Number | Call<br>Plan | Call<br>Type               | Min | Charge       |
|------|----------------|----------------------|-------------|--------------------------|--------|--------------|----------------------------|-----|--------------|
| 1 2  | OCT19<br>OCT29 | 01:37 pm<br>03:18 pm |             | CALLRETURN<br>CALLRETURN |        |              | Direct Call<br>Direct Call |     | 0.82<br>0.82 |
|      | Total for      |                      |             |                          |        |              |                            |     | 1.64         |

Total Of Itemized Calls 1.84

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# Account Summary

| Number            | Monthly<br>Charges | One Time<br>Charges | Usage<br>Charges | Discounts | Adjustments | Total<br>Charges |
|-------------------|--------------------|---------------------|------------------|-----------|-------------|------------------|
| Department:       |                    |                     |                  |           |             |                  |
| Department.       |                    |                     |                  |           |             |                  |
| !                 | 77.24              | 0.00                | 0.00             | 0.00      | 0.00        | 77.24            |
| Charges           | 303.74             | 0.00                | 0.00             | 0.00      | 0.00        | 303.74           |
| Taxes, Fees, and  | Surcharges         |                     |                  |           |             | 0.00             |
| Total For Sub Dep | pt:                |                     |                  |           |             | 303.74           |
| Charges           | 303.74             | 0.00                | 0.00             | 0.00      | 0.00        | 303.74           |
| Taxes, Fees, and  | Surcharges         |                     |                  |           |             | 0.00             |
| Total For Dept:   |                    |                     |                  |           |             | 303.74           |
| Charges           | 7,078.86           | 129.60              | 11.02            | 0.00      | 0.00        | 7,217.67         |
| Taxes, Fees, and  | Surcharges         |                     |                  |           |             | 0.00             |
| Totals (No De     | epartment)         |                     |                  |           |             | 7,217.67         |
|                   |                    |                     |                  |           |             |                  |
| Total             | 7,814.69           | 129.60              | 13.48            | 0.00      | 0.00        | 7,767.77         |
| Taxes, Fees, and  | Surcharges         |                     |                  |           |             | 0.00             |
| Grand Total       |                    |                     |                  |           |             | 7,767,77         |