

CenturyLink-

INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT FOR THE STATE OF OHIO

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Choice One Communications of Ohio Inc.
and

United Telephone Company of Ohio d/b/a CenturyLink

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INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT

This Interconnection, Collocation and Resale Agreement (the "Agreement"), dated this 15th day of November 2010, is entered into by and between Choice One Communications of Ohio Inc. ("Choice One"), an Ohio CLEC, and United Telephone Company of Ohio d/b/a CenturyLink ("CenturyLink"), an Ohio corporation, to establish the rates, terms and conditions for local interconnection, collocation, local resale, and purchase of unbundled Network Elements (individually referred to as the "service" or collectively as the "services").

WHEREAS, the Parties wish to interconnect their local exchange networks for the purposes of transmission and termination of calls, so that customers of each can receive calls that originate on the other's network and place calls that terminate on the other's network, and for Choice One's use in the provision of exchange access ("Local Interconnection"); and

WHEREAS, Choice One wishes to purchase Telecommunications Services for resale to others, and CenturyLink is willing to provide these services; and

WHEREAS, Choice One wishes to purchase unbundled Network Elements, ancillary services and functions and additional features ("Network Elements") for the provision of Telecommunications Services to others, and CenturyLink is willing to provide unbundled Network Elements and services; and

WHEREAS, the Parties intend the rates, terms and conditions of this Agreement, and their performance of obligations thereunder, to comply with the Communications Act of 1934, as amended (the "Act"), the Rules and Regulations of the Federal Communications Commission ("FCC"), and the orders, rules and regulations of the Commission; and

WHEREAS, the Parties wish to replace any and all other prior agreements, written and oral, applicable to the state of Ohio.

Now, therefore, in consideration of the terms and conditions contained in this Agreement, Choice One and CenturyLink hereby mutually agree as follows:

PART A — DEFINITIONS

1. DEFINED TERMS

- 1.1. Capitalized terms defined in this Section shall have the meanings as set forth in this Agreement. Other terms used but not defined will have the meanings ascribed to them in the Act or in the Rules and Regulations of the FCC or the Commission. The Parties acknowledge that other terms appear in this Agreement, which are not defined or ascribed as stated above. The Parties agree that any such terms shall be construed in accordance with their customary usage in the telecommunications industry as of the Effective Date of this Agreement.
- 1.2. **"911 Service"** means a universal telephone number which gives the public direct access to the Public Safety Answering Point ("PSAP"). Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then sent to the correct authority designated to receive such calls.
- 1.3. **"Access Services"** refers to interstate and intrastate switched access.
- 1.4. **"Act"** means the Communications Act of 1934, as amended.
- 1.5. **"ACTL"** means Access Customer Terminal Location as defined by Telcordia.
- 1.6. **"Affiliate"** is as defined in the Act.
- 1.7. **"Augment"** refers to a modification (increase/addition or decrease/reduction) to an existing Collocation Arrangement. Examples include changes to the space, cage, power, cross-connect cabling, conduit, vault, riser, or cabling associated with the Collocation Arrangement.
- 1.8. **"Automated Message Accounting" ("AMA")** is the structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Telcordia as GR-1100-CORE which defines the industry standard for message recording.
- 1.9. **"Automatic Location Identification" ("ALI")** means a feature that provides the caller's telephone number, address and the names of the Emergency Response agencies that are responsible for that address.
- 1.10. **"Automatic Location Identification/Data Management System" ("ALI/DMS")** means the emergency service ("E911/911") database containing subscriber location information (including name, address, telephone number, and sometimes special information from the local service provider) used to determine to which Public Safety Answering Point ("PSAP") to route the call.
- 1.11. **"Automatic Number Identification" ("ANI")** is a feature that identifies and displays the number of a telephone line that originates a call.
- 1.12. **"Automatic Route Selection" ("ARS")** is a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.
- 1.13. **"ATU - C"** refers to an ADSL Transmission Unit - Central Office.
- 1.14. **"Building"** shall have the same meaning as Central Office Building.
- 1.15. **"Busy Line Verify/Busy Line Verify Interrupt" ("BLV/BLVI")** means an operator call in which the caller inquires as to the busy status of, or requests an interruption of a call on another subscriber's telephone line.
- 1.16. **"Business Day(s)"** means the days of the week excluding Saturdays, Sundays, and all CenturyLink holidays.

- 1.17. **"Business Line"** is a CenturyLink-owned switched access line used to serve a business customer, whether by CenturyLink or by a competitive LEC that leases the line from CenturyLink. The number of Business Lines in a Wire Center shall equal the sum of all CenturyLink business switched access lines, plus the sum of all UNE loops connected to that Wire Center, including UNE loops provisioned in combination with other unbundled elements. Among these requirements, Business Line tallies (1) shall include only those access lines connecting end user customers with CenturyLink End-Offices for switched services, (2) shall not include non-switched special access lines, (3) shall account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to twenty-four (24) 64 kbps-equivalents, and therefore to twenty-four (24) "Business Lines."
- 1.18. **"Cable Vault"** shall mean a location in a Premises where facilities enter the Premises from the Outside Cable Duct and access the Inner Duct for distribution within the Premises.
- 1.19. **"Carrier Access Billing System" ("CABS")** is the system which is defined in a document prepared under the direction of the Billing Committee of the OBF. The CABS document is published by Telcordia in Volumes 1, 1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-001869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the billing of access and other connectivity services. CenturyLink's carrier access billing system is its Carrier Access Support System (CASS). CASS mirrors the requirements of CABS.
- 1.20. **"Central Office Building" or "Building"** shall mean a structure (not including a controlled environment vault ("CEV")) housing CenturyLink network equipment that is under the control of CenturyLink and for which CenturyLink has the right to grant access and/or occupation by third parties.
- 1.21. **"Central Office Switches"** - are switching facilities within the public switched telecommunications network, including, but not limited to:
- 1.21.1. **"End Office Switches" ("EOs")** are switches from which end user Telephone Exchange Services are directly connected and offered.
- 1.21.2. **"Tandem Switches"** are switches that are used to connect and switch trunk circuits between and among Central Office Switches.
- 1.21.3. **"Remote Switches"** are switches that are away from their host or control office. All or most of the central control equipment for the remote switch is located at the host or Control Office.
- 1.22. **"Centrex"** means a Telecommunications Service associated with a specific grouping of lines that uses central office switching equipment for call routing to handle direct dialing of calls, and to provide numerous private branch exchange-like features.
- 1.23. **"CLASS/LASS"** (Telcordia Service Mark) refers to service features that utilize the capability to forward a calling party's number between end offices as part of call setup. Features include Automatic Callback, Automatic Recall, Caller ID, Call Trace, and Distinctive Ringing.
- 1.24. **"CLLI Code"** means common language location identifier code, as defined by Telcordia.
- 1.25. **"Collocation Arrangement"** refers to a single, specific provision of collocation in a particular Premises, not limited to a cage enclosing Choice One's equipment within the Premises.
- 1.26. **"Collocation Space"** shall mean an area of space located in a building to be used by Choice One to house telecommunications equipment that is necessary for interconnection or access to UNEs. Additionally, roof or wall space used for wireless interconnection shall be included in the definition where applicable.

1.27. "Commingle" means the act of Commingling.

- 1.28. **"Commingling"** means the connecting, attaching, or otherwise linking of an unbundled Network Element, or a combination of unbundled Network Elements, to one or more facilities or services that Choice One has obtained at wholesale from CenturyLink or the combining of an unbundled Network Element, or a combination of unbundled Network Elements with one or more such facilities or services.
- 1.29. **"Commission"** means the Public Utilities Commission of Ohio.
- 1.30. **"Common Channel Signaling" ("CCS")** is a method of digitally transmitting call set-up and network control data over a digital signaling network fully separate from the public switched telephone network that carries the actual call.
- 1.31. **"Common Transport"** provides a local interoffice transmission path between End Office Switches, between End Office Switches and Tandem Switches and between Tandem Switches in CenturyLink's network. Common Transport is shared between multiple customers and is required to be switched at the Tandem Switch.
- 1.32. **"Confidential and/or Proprietary Information"** has the meaning set forth in Section 15.
- 1.33. **"Controlled Environment Vault" ("CEV")** shall mean a below ground room other than a Central Office Building which is controlled by CenturyLink and which is suitable for collocation of telecommunications equipment under controlled temperature and humidity.
- 1.34. **"Control Office"** is an exchange carrier center or office designated as the Party's single point of contact for the provisioning and maintenance of its portion of local interconnection arrangements.
- 1.35. **"Copper Loop"** is a stand-alone local loop comprised entirely of copper wire or cable. Copper Loops include two-wire and four-wire analog voice-grade Copper Loops, digital Copper Loops (*e.g.*, DSOs and integrated services digital network lines), as well as two-wire and four-wire Copper Loops conditioned to transmit the digital signals needed to provide digital subscriber line services, regardless of whether the Copper Loops are in service or held as spares. The Copper Loop includes attached electronics using time division multiplexing technology, but does not include packet switching capabilities.
- 1.36. **"Custom Calling Features"** means a set of Telecommunications Service features available to residential and single-line business customers including call-waiting, call-forwarding and three-party calling.
- 1.37. **"Customer Proprietary Network Information" ("CPNI")** is as defined in the Act.
- 1.38. **"Database Management System" ("DBMS")** is a computer process used to store, sort, manipulate and update the data required to provide Selective Routing and ALI.
- 1.39. **"Day"** means calendar day unless otherwise specified.
- 1.40. **"Dedicated Transport"** includes CenturyLink transmission facilities between Wire Centers or Switches owned by CenturyLink, or between Wire Centers or Switches owned by CenturyLink and Switches owned by Choice One, including, but not limited to, DS1-, DS3-, and OCn-capacity level services, as well as dark fiber, dedicated to a particular customer or carrier.
- 1.41. **"Demarcation Point"** is that point on the facility where CenturyLink's control of the facility ceases, and the End User Customer's control of the facility begins.
- 1.42. **"Digital Subscriber Line Access Multiplexer" ("DSLAM")** is equipment that links end user xDSL connections to a single high-speed packet switch, typically ATM or IP.
- 1.43. **"Directory Assistance Database"** refers to any subscriber record used by CenturyLink in its provision of live or automated operator-assisted directory assistance including but not limited to 411, 555-1212, NPA-555-1212.

- 1.44. **"Directory Assistance Services"** provides listings to callers. Directory Assistance Services may include the option to complete the call at the caller's direction.
- 1.45. **"DS1 Loop"** is a digital Local Loop having a total digital signal speed of 1.544 Mb/s. DS1 Loops include, but are not limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate digital subscriber line services, including T1 services.
- 1.46. **"DS3 Loop"** is a digital Local Loop having a total digital signal speed of 44.736 megabytes per second.
- 1.47. **"DSLAM"** refers to a Digital Subscriber Line Access Multiplexer.
- 1.48. **"Duct"** is a single enclosed path to house facilities to provide Telecommunications Services.
- 1.49. **"Effective Date"** is the date referenced in the opening paragraph on page 1 of the Agreement, unless otherwise required by the Commission.
- 1.50. **"Electronic interface"** means access to operations support systems consisting of preordering, ordering, provisioning, maintenance and repair and billing functions.
- 1.51. **"Emergency Response Agency"** is a governmental entity authorized to respond to requests from the public to meet emergencies.
- 1.52. **"Emergency Service Number" ("ESN")** is a number assigned to the ALI and selective routing databases for all subscriber telephone numbers. The ESN designates a unique combination of fire, police and emergency medical service response agencies that serve the address location of each in-service telephone number.
- 1.53. **"Enhanced Extended Link" ("EEL")** for purposes of this Agreement refers to the combination of unbundled Network Elements, specifically NID, Loop, multiplexing (MUX) if necessary and Dedicated Transport, in the CenturyLink Network.
- 1.54. **"Exchange Message Interface System" ("EMI")** is the Industry standard for exchanging telecommunications message information for billable, non-billable, sample settlement and study records. The EMI is published by ATIS (Alliance for Telecommunications Industry Solutions).
- 1.55. **"End Date"** is the date this Agreement terminates as referenced in Section 5.1.
- 1.56. **"Enhanced 911 Service" ("E911")** means a telephone communication service which will automatically route a call dialed "9-1-1" to a designated public safety answering point (PSAP) attendant and will provide to the attendant the calling party's telephone number and, when possible, the address from which the call is being placed and the Emergency Response agencies responsible for the location from which the call was dialed.
- 1.57. **"FCC"** means the Federal Communications Commission.
- 1.58. **"Fiber-based Collocator"** means any carrier, unaffiliated with CenturyLink, that maintains a Collocation Arrangement in CenturyLink's wire center, with active electrical power supply, and operates a fiber-optic cable or comparable transmission facility that (1) terminates at a Collocation Arrangement within the Wire Center; (2) leaves CenturyLink's Wire Center premises; and (3) is owned by a party other than CenturyLink or any affiliate of CenturyLink, except as set forth in this definition. Dark fiber obtained from CenturyLink on an indefeasible right of use basis shall be treated as non-CenturyLink fiber-optic cable. Two or more Affiliated Fiber-based Collocators in a single Wire Center shall collectively be counted as a single Fiber-based Collocator. For purposes of this definition, the term Affiliate is defined by 47 USC §153(1) and any relevant interpretation in the Act.
- 1.59. **"Fiber-to-the-curb Loop" ("FTTC Loop")** means a Local Loop consisting of fiber optic cable connecting to a copper distribution plant that is not more than five hundred (500) feet from the customer's premises or, in the case of predominantly residential multiple dwelling units ("MDUs"), not more than five hundred (500) feet from the MDU's minimum

point of entry ("MPOE"). The fiber optic cable in a fiber-to-the curb loop must connect to a copper distribution plant at a serving area interface from which every other copper distribution subloop also is not more than five hundred (500) feet from the respective customer's premises.

- 1.60. **"Fiber-to-the-home Loop" ("FTTH Loop")** means a Local Loop consisting entirely of fiber optic cable, whether dark or lit, and serving an end user's customer premises or, in the case of predominantly residential MDUs, a fiber optic cable, whether dark or lit, that extends to the multiunit premises' MPOE.
- 1.61. **"Grandfathered Service"** means service which is no longer available for new customers and is limited to the current customer at their current locations with certain provisioning limitations, including but not limited to upgrade denials, feature adds/changes and responsible/billing party.
- 1.62. **"High Frequency Portion of the local Loop" ("HFPL")** is defined as the frequency range above the voice band on a Copper Loop facility that is being used to carry analog circuit-switched voice band transmissions provided by CenturyLink to the end user customer.
- 1.63. **"Hybrid Loop"** means a Local Loop comprised of both fiber optic cable, usually in the feeder plant, and copper wire or cable usually in the distribution plant.
- 1.64. **"Incumbent Local Exchange Carrier" ("ILEC")** is as defined in the Act.
- 1.65. **"Information Services"** shall have the meaning defined in 47 CFR §51.5.
- 1.66. **"Interexchange Carrier" ("IXC")** means a provider of interexchange Telecommunications Services.
- 1.67. **"Interexchange Service"** shall mean telecommunications service between stations in different exchange areas.
- 1.68. **"ISP-Bound Traffic,"** for the purposes of this Agreement, is defined as traffic that is transmitted to an Internet Service Provider ("ISP") consistent with the ISP Remand Order (FCC 01-131), 16 FCC Rcd. 9151 (2001).
- 1.69. **"Inner Duct"** or "Conduit" shall mean any passage or opening in, on, under, over or through the CenturyLink Central Office Building cable or conduit systems.
- 1.70. **"Line Information Data Base" ("LIDB")** means a Service Control Point (SCP) database that provides for such functions as calling card validation for telephone line number cards issued by CenturyLink and other entities and validation for collect and billed-to-third services.
- 1.71. **"Local Calling Platform" ("LCP")** refers to a service that provides originating end users the opportunity to call a telephone number (NPA-NXX-XXXX) to reach an intermediate platform that allows the caller to dial additional numbers for the purpose of ultimately completing the call to a number having an NXX Code associated with a Rate Center (as set forth in the LERG) that is different from the Rate Center associated with the telephone number of the intermediate platform, and thereby permits the two-way transmission of information between the end user who originated the call and the end user to whom the ultimate telephone number dialed is assigned.
- 1.72. **"Live Load Capacity"** as it relates to a Choice One's Collocation Space refers to the structural strength of the floor to support the weight of Choice One's property and equipment installed in the collocated space.
- 1.73. **"Local Loop"** refers to a transmission facility between the main distribution frame [cross-connect], or its equivalent, in a CenturyLink Central Office or wire center, and up to the demarcation point (e.g., Network Interface Device) at a customer's premises, to which Choice One is granted exclusive use. This includes all electronics, optronics and intermediate devices (including repeaters and load coils) used to establish the transmission path to the customer premises. Local loops include Copper Loops, Hybrid Loops, DS1 loops, DS3 loops, FTTC Loops and FTTH Loops.

- 1.74. **"Local Number Portability" ("LNP")** means the ability of users of Telecommunications Services to retain, at the same location, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one Telecommunications Carrier to another.
- 1.75. **"Local Service Request" ("LSR")** means an industry standard form or a mutually agreed upon change thereof, used by the Parties to add, establish, change or disconnect local services.
- 1.76. **"Local Traffic"** for the purposes of this Agreement the Parties shall agree that "Local Traffic" means traffic (excluding ISP-Bound Traffic and Commercial Mobile Radio Service "CMRS" traffic) that is physically originated and physically terminated within CenturyLink's local calling area, or mandatory extended area service (EAS) area, as defined by the Commission or, if not defined by the Commission, then as defined in existing CenturyLink Tariffs.
- 1.77. **"Mobile Wireless Service"** means any mobile wireless telecommunications service, including any commercial mobile radio service (CMRS). CMRS includes paging, air-ground radiotelephone service and offshore radiotelephone service, as well as mobile telephony services, such as the voice offerings of carriers using cellular radiotelephone, broadband PCS and SMR licenses.
- 1.78. **"Multiple Exchange Carrier Access Billing" ("MECAB")** refers to the document prepared by the Billing Committee of the ATIS Ordering and Billing Forum ("OBF"). The MECAB document contains the recommended guidelines for the billing of an Access Service provided to a customer by two or more providers or by one provider in two or more states within a single LATA.
- 1.79. **"Multiple Exchange Carrier Ordering And Design" ("MECOD")** refers to the guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee under the auspices of the OBF, which functions under the auspices of the Carrier Liaison Committee ("CLC") of the Alliance for Telecommunications Industry Solutions ("ATIS"). The MECOD document, published by Telcordia as Special Report SR STS-002643, establishes recommended guidelines for processing orders for Access Service which is to be provided by two or more Telecommunications Carriers.
- 1.80. **"National Emergency Number Association" ("NENA")** is an association with a mission to foster the technological advancement, availability and implementation of 911 nationwide.
- 1.81. **"Network Element"** is as defined in the Act.
- 1.82. **"North American Numbering Plan" ("NANP")** means the plan for the allocation of unique 10-digit directory numbers consisting of a three-digit area code, a three-digit office code, and a four-digit line number. The plan also extends to format variations, prefixes, and special code applications.
- 1.83. **"Numbering Plan Area" ("NPA")** (sometimes referred to as an area code) is the three-digit indicator which is designated by the first three digits of each 10-digit telephone number within the NANP. Each NPA contains 800 possible NXX Codes. There are two general categories of NPA, "Geographic NPAs" and "Non-Geographic NPAs." A "Geographic NPA" is associated with a defined geographic area, and all telephone numbers bearing such NPA are associated with services provided within that geographic area. A "Non-Geographic NPA," also known as a "Service Access Code (SAC Code)" is typically associated with a specialized Telecommunications Service which may be provided across multiple geographic NPA areas; 500, 800, 900, 700, and 888 are examples of Non-Geographic NPAs.
- 1.84. **"NXX," "NXX Code," "COC," "Central Office Code," or "CO Code"** is the three-digit switch entity indicator which is defined by the fourth, fifth and sixth digits of a 10-digit telephone number within NANP.

- 1.85. **"OBF"** means the Ordering and Billing Forum, which functions under the auspices of the CLC of the Alliance for Telecommunications Industry Solutions (ATIS).
- 1.86. **"Operator Services"** provides for:
- 1.86.1. operator handling for call completion (e.g., collect calls);
 - 1.86.2. operator or automated assistance for billing after the subscriber has dialed the called number (e.g., credit card calls); and
 - 1.86.3. special services (e.g., BLV/BLI, Emergency Agency Call).
- 1.87. **"Outside Cable Duct"** shall mean any space located outside the Central Office Building and owned by or under the control of CenturyLink through which CenturyLink runs its cable, conduit or other associated facilities.
- 1.88. **"Parity"** means, subject to the availability, development and implementation of necessary industry standard Electronic Interfaces, the provision by CenturyLink of services, Network Elements, functionality or telephone numbering resources under this Agreement to Choice One, including provisioning and repair, at least equal in quality to those offered to CenturyLink, its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources. Until the implementation of necessary Electronic Interfaces, CenturyLink shall provide such services, Network Elements, functionality or telephone numbering resources on a non-discriminatory basis to Choice One as it provides to its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources.
- 1.89. **"P.01 Transmission Grade Of Service" ("GOS")** means a trunk facility provisioning standard with the statistical probability of no more than one call in 100 blocked on initial attempt during the average busy hour.
- 1.90. **"Parties"** means, jointly, CenturyLink and Choice One, and no other entity, Affiliate, subsidiary or assign.
- 1.91. **"Party"** means either CenturyLink or Choice One, and no other entity, Affiliate, subsidiary or assign.
- 1.92. **"Percent Local Usage" ("PLU")** is a calculation which represents the ratio of the local minutes to the sum of local and intraLATA toll minutes between exchange carriers sent over Local Interconnection Trunks. Directory assistance, BLV/BLVI, 900, and 976 transiting calls from other exchange carriers and switched access calls are not included in the calculation of PLU.
- 1.93. **"Physical Collocation"** is as defined in 47 CFR 51.5.
- 1.94. **"Point of Interconnection" ("POI")** is the physical point that establishes the technical interface, the test point, and the operational responsibility hand-off between Choice One and CenturyLink for local interconnection of their networks. Each P01 also establishes the demarcation point to delineate each Party's financial obligations for facility costs.
- 1.95. **"Premises"** is as defined in 47 CFR §51.5.
- 1.96. **"Pre-Order Loop Qualification" ("Loop Qualification")** is an OSS function that includes supplying loop qualification information to Choice One as part of the Pre-ordering Process. Examples of the type of information provided are:
- 1.96.1. Composition of the loop material, i.e. fiber optics, copper;
 - 1.96.2. Existence, location and type of any electronic or other equipment on the loop, including but not limited to:
 - (a) Digital Loop Carrier ("DLC") or other remote concentration devices;
 - (b) Feeder/distribution interfaces;
 - (c) Bridge taps;

- (d) Load coils;
 - (e) Pair gain devices; or
 - (f) Disturbers in the same or adjacent binders.
- 1.96.3. Loop length which is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office;
- 1.96.4. Wire gauge or gauges; and
- 1.96.5. Electrical parameters.
- 1.97. **"Proprietary Information"** shall have the same meaning as Confidential Information.
- 1.98. **"Rate Center"** means the geographic point and corresponding geographic area which are associated with one or more particular NPA-NXX codes which have been assigned to CenturyLink or Choice One for its provision of basic exchange Telecommunications Services. The "rate center point" is the finite geographic point identified by a specific V&H coordinate, which is used to measure distance-sensitive end user traffic to/from the particular NPA-NXX designations associated with the specific Rate Center. The "rate center area" is the exclusive geographic area identified as the area within which CenturyLink or Choice One will provide Basic Exchange Telecommunications Services bearing the particular NPA-NXX designations associated with the specific Rate Center. The Rate Center point must be located within the Rate Center area.
- 1.99. **"Small Exchange Carrier Access Billing" ("SECAB")** means the document prepared by the Billing Committee of the OBF. The SECAB document, published by ATIS as Special Report SR OPT-001856, contains the recommended guidelines for the billing of access and other connectivity services.
- 1.100. **"Selective Routing"** is a service which automatically routes an E911 call to the PSAP that has jurisdictional responsibility for the service address of the telephone that dialed 911, irrespective of telephone company exchange or Wire Center boundaries.
- 1.101. **"Signaling Transfer Point" ("STP")** means a signaling point that performs message routing functions and provides information for the routing of messages between signaling points within or between CCIS networks. An STP transmits, receives and processes CCIS messages.
- 1.102. **"Splitter"** is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the DSLAM equipment or may be externally mounted.
- 1.103. **"Street Index Guide" ("SIG")** is a database defining the geographic area of an E911 Service. It includes an alphabetical list of the street names, high-low house number ranges, community names, and Emergency Service Numbers provided by the counties or their agents to CenturyLink.
- 1.104. **"Switch"** means a Central Office Switch as defined in this Part A.
- 1.105. **"Synchronous Optical Network" ("SONET")** is an optical interface standard that allows interworking of transmission products from multiple vendors (*i.e.*, mid-span meets). The base rate is 51.84 MHps (OC-1/STS-1 and higher rates are direct multiples of the base rate up to 1.22 GHps).
- 1.106. **"Tandem Office Switches", "Tandem," and "Tandem Switching"** describe Class 4 switches which are used to connect and switch trunk circuits between and among End Office Switches and other tandems.
- 1.107. **"Tariff"** means a filing made at the state or federal level for the provision of a Telecommunications Service by a Telecommunications Carrier that provides for the

terms, conditions and pricing of that service. Such filing may be required or voluntary and may or may not be specifically approved by the Commission or FCC.

- 1.108. **"Technically Feasible"** refers solely to technical or operational concerns, rather than economic, space, or site considerations.
- 1.109. **"Telcordia"** means Telcordia Technologies, Inc. which is a leading provider of software and services for the telecommunications industry.
- 1.110. **"Tier 1"** Wire Centers are those CenturyLink Wire Centers that contain at least four Fiber-based Collocators, at least 38,000 Business Lines, or both. Once a Wire Center is determined to be a Tier 1 Wire Center, that Wire Center is not subject to later reclassification as a Tier 2 or Tier 3 Wire Center.
- 1.111. **"Tier 2"** Wire Centers are those CenturyLink Wire Centers that are not Tier 1 Wire Centers but contain at least three (3) Fiber-based Collocators, at least 24,000 Business Lines, or both. Once a Wire Center is determined to be a Tier 2 Wire Center, that Wire Center is not subject to later reclassification as a Tier 3 Wire Center.
- 1.112. **"Tier 3"** Wire Centers are those CenturyLink Wire Centers that are not Tier 1 or Tier 2 Wire Centers.
- 1.113. **"Telecommunications"** is as defined in the Act.
- 1.114. **"Telecommunications Carrier"** is as defined in the Act.
- 1.115. **"Telecommunications Service"** is as defined in the Act.
- 1.116. **"Transit Service"** means the use of CenturyLink's tandem to deliver Transit Traffic.
- 1.117. **"Transit Traffic"** means Local Traffic or ISP-Bound Traffic that is routed by a Choice One through CenturyLink's network for delivery to a third party Telecommunications Carrier's network or that is routed by a third party Telecommunications Carrier through CenturyLink's network for delivery to Choice One's network.
- 1.118. "Virtual Collocation" is as defined in 47 CFR §51.5.
- 1.119. **"Virtual NXX Traffic" ("VNXX Traffic")** as used in this Agreement, refers to calls to telephone numbers (NPA-NXX-XXXXs) that were assigned to customers using a VNXX Service.
- 1.120. **"VNXX Service"** means the assignment of a telephone number (NPA-NXX-XXXX) to a customer using an NXX Code associated with a Rate Center (as set forth in the LERG) that is different from the Rate Center (as set forth in the LERG) associated with the customer's actual physical location where such physical location is not within the same local calling area, or mandatory extended area service (EAS) area as the customer's assigned telephone number.
- 1.121. **"Wholesale Service"** means Telecommunication Services that CenturyLink provides at retail to subscribers who are not Telecommunications Carriers as set forth in 47 USC §251(c)(4) which CenturyLink provides to resellers at a wholesale rate.
- 1.122. **"Wire center"** is the location of an incumbent LEC local switching facility containing one or more central offices, as defined in part 36 of the Code of Federal Regulations. The Wire Center boundaries define the area in which all customers served by a given Wire Center are located.
- 1.123. **"xDSL"** refers to a generic term for a series of high speed transmission protocols, equipment, and services designed to operate over copper wire. This series includes but is not limited to ADSL, VDSL, SDSL, and others.

PART B — GENERAL TERMS AND CONDITIONS

2. SCOPE OF THIS AGREEMENT

- 2.1. This Agreement, including the recitals, Parts A through L, Tables One and Two and exhibits, specifies the rights and obligations of each Party with respect to the establishment, purchase, and sale of Local Interconnection, Collocation, resale of Telecommunications Services and Unbundled Network Elements under Sections 251 and 252 of the Act. This Agreement shall not apply to CMRS traffic except to the extent such traffic constitutes Transit Traffic originated by or terminated to the end user customers of CLEC, and a separate written agreement shall be required with respect to the exchange any other CMRS traffic between the Parties or for purposes of adoption by any CMRS provider. Certain terms used in this Agreement shall have the meanings defined in PART A — DEFINITIONS, or as otherwise elsewhere defined throughout this Agreement. Other capitalized terms used but not defined in this Agreement will have the meanings ascribed to them in the Act and in the FCC's and the Commission's rules, regulations and orders. PART B sets forth the general terms and conditions governing this Agreement. The remaining Parts set forth, among other things, descriptions of the services, pricing, technical and business requirements, and physical and network security requirements.

3. NETWORK CHANGES

- 3.1. CenturyLink shall provide notice of network changes and upgrades in accordance with §§51.325 through 51.335 of Title 47 of the Code of Federal Regulations (47 CFR). CenturyLink may discontinue any interconnection arrangement, Telecommunications Service, or Network Element provided or required hereunder due to network changes or upgrades after providing Choice One notice as required by this Section. CenturyLink agrees to cooperate with Choice One and/or the appropriate regulatory body in any transition resulting from such discontinuation of service and to minimize the impact to customers, which may result from such discontinuance of service.

4. REGULATORY APPROVALS

- 4.1. This Agreement, and any amendment or modification hereof, will be submitted to the Commission for approval in accordance with §252 of the Act within thirty (30) Days after obtaining the last required Agreement signature. CenturyLink and Choice One shall use their best efforts to obtain approval of this Agreement by any regulatory body having jurisdiction over this Agreement. In the event any governmental authority or agency rejects any provision hereof, the Parties shall negotiate promptly and in good faith such revisions as may reasonably be required to achieve approval.
- 4.2. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the texts of the Act and the orders, rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date ("Applicable Rules"). In the event of any amendment of the Act, any effective legislative action or any effective regulatory or judicial order, rule, regulation, arbitration award, dispute resolution procedures under this Agreement or other legal action purporting to apply the provisions of the Act to the Parties or in which the court, FCC or the Commission makes a generic determination that is generally applicable which revises, modifies or reverses the Applicable Rules (individually and collectively, "Amended Rules"), either Party may, by providing written notice to the other Party, require that the affected provisions of this Agreement be renegotiated in good faith and this Agreement shall be amended accordingly within sixty (60) Days of the date of the notice to reflect the pricing, terms and conditions of each such Amended Rules relating to any of the provisions in this Agreement.
- 4.3. Notwithstanding any other provision of this Agreement to the contrary Section 4.2 hereof shall control. Any rates, terms or conditions thus developed or modified shall be substituted in place of those previously in effect and shall be effective under this

Agreement as of the effective date established by the Amended Rules. Should the Parties be unable to reach agreement with respect to the applicability of such order or the resulting appropriate modifications to this Agreement, either party may invoke the Dispute Resolution provisions of this Agreement, it being the intent of the parties that this Agreement shall be brought into conformity with the then current obligations under the Act as determined by the Amended Rules. CenturyLink may charge rates to Choice One under this Agreement that are approved by the Commission in a generic cost proceeding, whether such action was commenced before or after the Effective Date of this Agreement, as of the effective date of the Commission decision.

- 4.4. In the event that as a result of any effective decision, order, or determination of any judicial or regulatory authority with jurisdiction over the subject matter hereof, it is determined that Century Link is not required to furnish any service, facility, arrangement, or benefit required to be furnished or provided to Choice One under this Agreement, then CenturyLink may discontinue any service, facility, arrangement, or benefit ("Discontinued Arrangement") to the extent permitted by any such decision, order, or determination by providing sixty (60) Days written notice to Choice One. Immediately upon provision of such written notice to Choice One, Choice One will be prohibited from ordering and CenturyLink will not provide new Discontinued Arrangements.

5. TERM AND TERMINATION

- 5.1. This Agreement shall be deemed effective upon the Effective Date first stated above, and continue for a period of two years until November 15, 2012 (the "End Date"), unless earlier terminated in accordance with this Section 5, provided however that if Choice One has any outstanding past due obligations to CenturyLink or any of CenturyLink's affiliates, this Agreement will not be effective until such time as any past due obligations with CenturyLink are paid in full. This agreement shall become binding upon execution by the Parties. No order or request for services under this Agreement shall be processed before the Effective Date, except as otherwise agreed to in writing by the Parties. No order or request for services under this Agreement shall be processed before Choice One has established a customer account with CenturyLink and has completed the Implementation Plan described in this Agreement.
- 5.2. In the event of either Party's material breach of any of the terms or conditions hereof, including the failure to make any undisputed payment when due, the non-defaulting Party may immediately terminate this Agreement in whole or in part if the non-defaulting Party so advises the defaulting Party in writing of the event of the alleged default and the defaulting Party does not remedy the alleged default within sixty (60) Days after written notice thereof. The non-defaulting Party may pursue all available legal and equitable remedies for such breach.
- 5.3. CenturyLink may terminate this Agreement upon ten (10) Days notice if Choice One is not exchanging traffic with CenturyLink or has not submitted orders pursuant to this Agreement within one-hundred-eighty (180) Days of the Effective Date, or if Choice One fails to obtain or maintain any certification(s) or authorization(s) from the Commission which are necessary or appropriate for Choice One to exchange traffic with CenturyLink or order any service, facility or arrangement under this ICA. In addition, CenturyLink reserves the right to terminate this Agreement immediately upon notice from Choice One that it has ceased doing business in this state. In addition to notice from Choice One, CenturyLink may utilize any publicly available information in concluding that Choice One is no longer doing business in this state, and immediately terminate this Agreement.
- 5.4. Termination of this Agreement for any cause shall not release either Party from any liability which at the time of termination has already accrued to the other Party or which thereafter may accrue in respect to any act or omission prior to termination or from any obligation which is expressly stated in this Agreement to survive termination.
- 5.5. Notwithstanding the above, should CenturyLink sell or trade substantially all the assets in an exchange or group of exchanges that CenturyLink uses to provide

Telecommunications Services, then CenturyLink may terminate this Agreement in whole or in part as to that particular exchange or group of exchanges upon ninety (90) Days prior written notice.

6. POST EXPIRATION INTERIM SERVICE ARRANGEMENTS

- 6.1. Either Choice One or Century Link may terminate this Agreement effective upon the End Date or effective upon any date after the End Date by providing written notice of termination at least ninety (90) days in advance of the date of termination.
- 6.2. If either Choice One or Century Link provides notice of termination pursuant to Section 6.1 and on or before the proposed date of termination either Choice One or CenturyLink has requested negotiation of a new interconnection agreement, unless this Agreement is cancelled or terminated earlier in accordance with the terms hereof, this Agreement shall remain in effect until the earlier of: (a) the effective date of a new interconnection agreement between Choice One and Century Link; or, (b) the date one (1) year after the proposed date of termination, or (c) a request by either Party to negotiate a new interconnection agreement which shall be deemed to constitute a request for interconnection under Section 252 of the Act.
- 6.3. If either Choice One or Century Link provides notice of termination pursuant to Section 6.1 and by 11:59 PM Eastern Time on the proposed date of termination neither Choice One nor Century Link has requested negotiation of a new interconnection agreement, (a) this Agreement will terminate at 11:59 PM Eastern Time on the proposed date of termination, and (b) the Services being provided under this Agreement at the time of termination will be terminated, except to the extent that the terminating Party requests that such Services continue to be provided pursuant to an applicable Tariff or Statement of Generally Available Terms.

7. CHARGES, BILLING AND PAYMENT

- 7.1. In consideration of the services provided by the Parties under this Agreement, the Parties shall pay the charges set forth in Part C of this Agreement and in the respective Party's applicable tariffs.. The Parties may limit or modify the form(s) of payment that will be accepted from time to time, and shall not be obligated to accept card payments (e.g.: credit/debit/ATM cards) or any form of payment that reduces the net amount received by the Invoicing Party.
- 7.2. Subject to the terms of this Agreement, the Parties shall pay invoices within thirty (30) Days from the bill date shown on the invoice.
 - 7.2.1. For invoices not paid when due, late payment charges will be assessed under Section 7.4.
 - 7.2.2. If the payment due date is a Saturday, Sunday or a designated bank holiday, payment shall be made the next business day.
 - 7.2.3. If an invoice is not paid within forty-five (45) Days after the bill date, the Invoicing Party may suspend processing new orders and cancel any pending orders.
 - 7.2.4. If the account remains delinquent sixty (60) Days after the bill date, either Party may terminate any or all of the services under this Agreement.
- 7.3. If either Party disputes any charges shown on an invoice, the following billing dispute procedures shall serve as the generally acceptable means for challenging such charges.
 - 7.3.1. Any billing dispute must be submitted in writing, itemizing the particular charges that Choice One is challenging, and explaining in reasonable detail the specific grounds for disputing the validity or applicability of such charges.
 - 7.3.2. Billing disputes submitted by Choice One must be submitted to the National Dispute Center on the billing dispute form designated by CenturyLink. The

- billing dispute form may be accompanied by any additional, relevant materials submitted by Choice One. Open to Choice One
- 7.3.3. Billing disputes submitted by Century Link should be submitted to Choice One's Network Cost Department at the address in Section 21 and must be accompanied by any additional, relevant materials submitted by Century Link. The payment due date of an invoice shall be suspended with respect to disputed amounts on such invoice, but only if a written, itemized dispute has been filed in compliance with Section 7.3. When reasonably feasible, billing disputes should be filed by the Parties within thirty (30) days of the bill date. Such payment due date for the disputed amounts shall remain suspended during negotiations between the Parties or pending a determination by the Commission under the dispute resolution provisions of Section 25.
 - 7.3.4. Billing disputes that are submitted in a timely manner in compliance with Section 7.3 shall not have the effect of suspending the payment due date with respect to billed amounts that are not in dispute, notwithstanding the existence of a dispute with respect to other amounts billed on the same invoice.
 - 7.3.5. The failure to submit a written dispute in compliance with Section 7.3 within thirty (30) Days of a bill date shall not preclude a Party from thereafter submitting a dispute or seeking a billing adjustment for any charges which have been paid, but any billing dispute which is not submitted within thirty (30) Days of a bill date or which is not submitted in writing in compliance with Section 7.3 shall not be effective to suspend the payment due date for the disputed amount or to prevent late charges and possible suspension or termination of service for non-payment of billed amounts in accordance with Section 7.2. Payment of billed amounts that are subsequently disputed or which become the subject of a request for adjustment shall not constitute or be deemed to represent a waiver of a Party's right to submit a dispute or seek an adjustment of such Party's account with respect to such paid amounts, and the paying Party shall not be required to designate any such payment as "conditional" or "under protest" in order to submit a dispute or seek a subsequent adjustment with respect to amounts which have previously been paid. A dispute which is filed more than thirty (30) Days after a bill date or a request for an account adjustment must be submitted in writing in the same manner as provided for in Section 7.3 with respect to disputes, and such requests shall be subject to the Dispute Resolution provisions of this Agreement.
 - 7.4. Late payment charges on invoices not paid when due (or any portion thereof which is not subject to a timely filed dispute) will be assessed until the amount due is paid in full, and shall be calculated using a rate equal to the lesser of the following:
 - 7.4.1. the total amount due times the highest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date late paying Party actually makes the payment, or
 - 7.4.2. the total amount due multiplied by a factor of 0.000329 times the number of days which occurred between the payment due date and (including) the date late paying Party actually makes the payment.
 - 7.5. CenturyLink shall credit Choice One for incorrect Connectivity Billing charges including without limitation: overcharges, services ordered or requested but not delivered, interrupted services, services of poor quality and installation problems if caused by CenturyLink. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards.
 - 7.6. CenturyLink will bill Choice One for message provisioning and, if applicable, data tape charges related to exchange access records. CenturyLink will bill Choice One for the

records at the rates on Table One. If Choice One requests additional copies of the monthly invoice, CenturyLink may also bill Choice One for the additional copies.

- 7.7. CenturyLink shall comply with various industry, OBF, and other standards referred to throughout this Agreement. CenturyLink will review any changes to industry standards, and implement the changes within the industry-defined window. CenturyLink will notify Choice One of any deviations to the standards.
- 7.8. Where Parties have established interconnection, CenturyLink and Choice One agree to conform to MECAB and MECOD guidelines. They will exchange Billing Account Reference and Bill Account Cross Reference information and will coordinate Initial Billing Company/Subsequent Billing Company billing cycles. CenturyLink will provide Choice One the appropriate records to bill exchange access charges to the IXC. CenturyLink will capture EMI records for inward terminating calls and send them to Choice One, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom). Upon CenturyLink's request, Choice One will provide CenturyLink the appropriate records to bill exchange access charges to the IXC. Choice One will capture EMI records for inward terminating calls and send them to CenturyLink, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom).
- 7.9. Unless otherwise specified herein, for terminating each other's non-Local intrastate traffic the applicable tariffs of the terminating Party shall apply.
- 7.10. CenturyLink shall provide a single point of contact for handling of any data exchange questions or problems that may arise during the implementation and performance of the terms and conditions of this Agreement.
- 7.11. Revenue Protection. CenturyLink shall make available to Choice One, at Parity with what CenturyLink provides to itself, its Affiliates and other local telecommunications carriers, all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality embedded within any of the Network Elements. These features include, but are not limited to screening codes, information digits assigned such as information digits '29' and '70' which indicate prison and COCOT pay phone originating line types respectively, call blocking of domestic, international, 800, 888, 900, NPA-976, 700, 500 and specific line numbers, and the capability to require end user entry of an authorization code for dial tone. CenturyLink shall, when technically capable and consistent with the implementation schedule for Operations Support Systems (OSS), additionally provide partitioned access to fraud prevention, detection and control functionality within pertinent OSS.
- 7.12. The non-paying Party is responsible for all collections costs, including but not limited to attorneys fees, incurred by the other Party in recovering any amounts due and owing to that Party by the non-paying Party. In the event of either Party files a petition for bankruptcy, the other Party may assert its claim for collections costs and attorneys' fees under this Agreement as a claim against the Petitioning Party's bankruptcy estate.

8. AUDITS AND EXAMINATIONS

- 8.1. Each Party to this Agreement will be responsible for the accuracy and quality of its data as submitted to the other Party involved. Subject to each Party's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, either Party, at its own expense, may audit the other Party's books, records and other documents directly related to billing and invoicing once in any twelve (12) month period for the purpose of evaluating the accuracy of the other Party's billing and invoicing. "Audit" shall mean a comprehensive review of bills for services performed under this Agreement; "Examination" shall mean an inquiry into a specific element of or process related to bills for services performed under this Agreement. Either Party (the "Requesting Party") may perform one (1) Audit per twelve (12) month period commencing with the Effective Date, with the assistance of the other Party, which will not be

unreasonably withheld. The Audit period will include no more than the preceding twelve (12) month period as of the date of the Audit request. The Requesting Party may perform Examinations, as it deems necessary, with the assistance of the other Party, which will not be unreasonably withheld.

- 8.2. Upon thirty (30) Days written notice by the Requesting Party to Audited Party, Requesting Party shall have the right through its authorized representative to make an Audit, during normal business hours, of any records, accounts and processes which contain information bearing upon the billing and invoicing of the services provided under this Agreement. Within the above-described thirty (30) Day period, the Parties shall reasonably agree upon the scope of the Audit or Examination, the documents and processes to be reviewed, and the time, place and manner in which the Audit or Examination shall be performed. Audited Party agrees to provide Audit or Examination support, including appropriate access to and use of Audited Party's facilities (e.g.: conference rooms, telephones, copying machines).
- 8.3. Each party shall bear its own expenses in connection with the conduct of the Audit or Examination. The reasonable cost of special data extraction required by the Requesting Party to conduct the Audit or Examination will be paid for by the Requesting Party. For purposes of this Section 8.3, a "Special Data Extraction" shall mean the creation of an output record or informational report (from existing data files) that is not created in the normal course of business. If any program is developed to Requesting Party's specifications and at Requesting Party's expense, Requesting Party shall specify at the time of request whether the program is to be retained by Audited Party for reuse for any subsequent Audit or Examination.
- 8.4. Adjustments based on the audit findings may be applied to the twelve (12) month period included in the audit. Adjustments, credits or payments shall be made and any corrective action shall commence within thirty (30) Days from the requesting Party's receipt of the final audit report to compensate for any errors or omissions which are disclosed by such Audit or Examination and are agreed to by the Parties. Interest shall be calculated in accordance with Section 7.4 above.
- 8.5. Neither such right to examine and audit nor the right to receive an adjustment shall be affected by any statement to the contrary appearing on checks or otherwise, unless such statement expressly waiving such right appears in writing, is signed by the authorized representative of the Party having such right and is delivered to the other Party in a manner sanctioned by this Agreement.
- 8.6. This Section shall survive expiration or termination of this Agreement for a period of one (1) year after expiration or termination of this Agreement.

9. INTELLECTUAL PROPERTY RIGHTS

- 9.1. Any intellectual property which originates from or is developed by a Party shall remain in the exclusive ownership of that Party. Intellectual property includes, without limitation, patent, copyright, trade mark, trade secrets, and other proprietary rights. Each Party grants to the other party a limited license to its intellectual property solely to the extent necessary for the use of any facility or equipment (including software) or for the receipt of services as provided under this Agreement. Except for such limited license to use its intellectual property, no license in patent, copyright, trademark or trade secret, or other proprietary or intellectual property right now or hereafter owned, controlled or licensable by a Party, is granted to the other Party or shall be implied or arise by estoppel.
- 9.2. Choice One acknowledges that its right under this Agreement for Local Interconnection with CenturyLink's network and to unbundled and/or combine CenturyLink's Network Elements may be subject to or limited by intellectual property rights and contract rights of third parties. CenturyLink agrees to use its best efforts to obtain for Choice One, third party intellectual property rights, under commercially reasonable terms, to each

unbundled Network Element necessary for Choice One to use such unbundled Network Element in the same manner as CenturyLink.

- 9.3. CenturyLink shall have no obligations to attempt to obtain for Choice One any third party intellectual property right(s) that would permit Choice One to use any unbundled Network Element in a different manner than used by CenturyLink.
- 9.4. To the extent not prohibited by a contract with the vendor of the Network Element sought by Choice One that contains intellectual property licenses, CenturyLink shall reveal to Choice One the name of the vendor, the intellectual property rights licensed to CenturyLink under the vendor contract and the terms of the contract (excluding cost terms). CenturyLink shall, at Choice One's request, contact the vendor to attempt to obtain permission to reveal additional contract details to Choice One.
- 9.5. All costs associated with the extension of third party intellectual property rights to Choice One pursuant to Section 9.2, including the cost of the license extension itself and the costs associated with the effort to obtain the license, shall be part of the cost of providing the unbundled Network Element to which the intellectual property rights relate and apportioned to all requesting Choice One using that unbundled Network Element including CenturyLink.
- 9.6. CenturyLink hereby conveys no licenses to use such third party intellectual property rights and makes no warranties, express or implied, concerning Choice One's rights with respect to such third party intellectual property rights and contract rights, including whether such rights will be violated by such Local Interconnection or unbundling and/or combining of Network Elements (including combining with Choice One's use of other functions, facilities, products or services furnished under this Agreement). Any licenses or warranties for intellectual property rights associated with unbundled network elements are vendor licenses and warranties and are a part of the third party intellectual property rights CenturyLink agrees in Section 9.2 to use its best efforts to obtain.

10. LIMITATION OF LIABILITY

- 10.1. Neither Party, its parents, subsidiaries, affiliates, agents, servants or employees shall be liable for damages arising from errors, mistakes, omissions, interruptions, or delays in the course of establishing, furnishing, rearranging, moving, terminating, changing, providing or failing to provide services or facilities (including the obtaining or furnishing of information with respect thereof or with respect to users of the services or facilities) in the absence of gross negligence or willful misconduct.
- 10.2. Notwithstanding the foregoing, in no event shall CenturyLink's liability to Choice One for a service outage exceed an amount equal to the proportionate charge for the service(s) or unbundled element(s) provided for the period during which the service was affected.
- 10.3. Neither Party shall be responsible to the other for any indirect, special, consequential or punitive damages, including (without limitation) damages for loss of anticipated profits or revenue or other economic loss in connection with or arising from anything said, omitted, or done hereunder (collectively "Consequential Damages"), whether arising in contract or tort except that the foregoing shall not limit a Party's obligation under Section 11 to indemnify, defend, and hold the other Party harmless against amounts payable to third parties.
- 10.4. CENTURYLINK SHALL BE LIABLE FOR DAMAGE TO OR DESTRUCTION OF CHOICE ONE'S EQUIPMENT AND OTHER PREMISES ONLY IF SUCH DAMAGE OR DESTRUCTION IS CAUSED BY CENTURYLINK'S SOLE NEGLIGENCE, GROSS NEGLIGENCE OR WILLFUL MISCONDUCT.

11. INDEMNIFICATION

- 11.1. Each Party agrees to indemnify and hold harmless the other Party from and against claims by third parties for damage to tangible personal or real property and/or personal

injuries to the extent caused by the negligence or willful misconduct or omission of the indemnifying Party.

- 11.2. Choice One shall indemnify and hold harmless CenturyLink from all claims by Choice One's subscribers.
- 11.3. CenturyLink shall indemnify and hold harmless Choice One from all claims by CenturyLink's subscribers.
- 11.4. The indemnifying Party under this Section agrees to defend any suit brought against the other Party either individually or jointly with the indemnified Party for any such loss, injury, liability, claim or demand.
- 11.5. The indemnified Party agrees to notify the other Party promptly, in writing, of any written claims, lawsuits, or demands for which it is claimed that the indemnifying Party is responsible under this Section and to cooperate in every reasonable way to facilitate defense or settlement of claims.
- 11.6. The indemnifying Party shall have complete control over defense of the case and over the terms of any proposed settlement or compromise thereof. The indemnifying Party shall not be liable under this Section for settlement by the indemnified Party of any claim, lawsuit, or demand, if the indemnifying Party has not approved the settlement in advance, unless the indemnifying Party has had the defense of the claim, lawsuit, or demand tendered to it in writing and has failed to promptly assume such defense. In the event of such failure to assume defense, the indemnifying Party shall be liable for any reasonable settlement made by the indemnified Party without approval of the indemnifying Party.
- 11.7. When the lines or services of other companies and Choice One are used in establishing connections to and/or from points not reached by a Party's lines, neither Party shall be liable for any act or omission of the other companies or carriers.
- 11.8. In addition to its indemnity obligations hereunder, each Party shall, to the extent allowed by law or Commission Order, provide, in its tariffs and contracts with its subscribers that relate to any Telecommunications Services provided or contemplated under this Agreement, that in no case shall such Party or any of its agents, contractors or others retained by such Party be liable to any subscriber or third party for any loss relating to or arising out of this Agreement, whether in contract or tort, that exceeds the amount such Party would have charged the applicable subscriber for the service(s) or function(s) that gave rise to such loss, and Consequential Damages (as defined in Section 10 above).
- 11.9. If Choice One has physical collocations under this Agreement, Choice One shall also indemnify and hold CenturyLink harmless from any and all claims arising from:
 - 11.9.1. Choice One's use of the Collocation Space;
 - 11.9.2. the conduct of Choice One's business or from any activity, work or things done, permitted or suffered by Choice One in or about the Collocation Space;
 - 11.9.3. any and all claims arising from any breach or default in the performance of any obligation on Choice One's part to be performed under the terms of this Agreement; and
 - 11.9.4. any negligence of Choice One, or any of Choice One's agents, and fees, expenses and liabilities incurred in the defense of any such claim or any action or proceeding brought thereon.
 - 11.9.5. If any action or proceeding is brought against CenturyLink by reason of any such claim, Choice One, upon notice from CenturyLink, shall defend same at Choice One's expense employing counsel satisfactory to CenturyLink.
- 11.10 Choice One shall at all times indemnify, defend, save and hold harmless CenturyLink from any claims, liens, demands, charges, encumbrances, litigation and judgments arising directly or indirectly out of any use, occupancy or activity of Choice One, or out of any work performed, material furnished, or obligations incurred by Choice One in, upon

or otherwise in connection with the Collocation Space. Choice One shall give CenturyLink written notice at least ten (10) Business Days prior to the commencement of any such work on the Collocation Space in order to afford CenturyLink the opportunity of filing appropriate notices of non-responsibility. However, failure by CenturyLink to give notice does not reduce Choice One's liability under this Section.

11.11 If any claim or lien is filed against the Collocation Space, or any action or proceeding is instituted affecting the title to the Collocation Space, Choice One shall give CenturyLink written notice thereof as soon as Choice One obtains such knowledge.

11.12 Choice One shall, at its expense, within thirty (30) Days after filing of any lien of record, obtain the discharge and release thereof or post a bond in an amount sufficient to accomplish such discharge and release. Nothing contained herein shall prevent CenturyLink, at the cost and for the account of Choice One, from obtaining such discharge and release if Choice One fails or refuses to do the same within the thirty-day period.

11.13 If Choice One has first discharged the lien as provided by law, Choice One may, at Choice One's expense, contest any mechanic's lien in any manner permitted by law.

12. INSURANCE

12.1. To the extent Choice One elects to purchase collocation services under the terms of this agreement, Choice One shall carry, and shall cause any subcontractors to carry, with financially reputable insurers which are licensed to do business in all jurisdictions where any property is located, not less than the following insurance:

12.2. Commercial General Liability with limits of not less than \$1,000,000 combined single limit per occurrence and aggregate for bodily injury, property damage and personal and advertising injury liability insurance to include coverage for contractual and products/completed operations liability, naming CenturyLink as additional insured;

12.3. Business Auto liability, including all owned, non-owned and hired automobiles, in an amount of not less than \$1,000,000 combined single limit per accident for bodily injury and property damage liability, naming CenturyLink as additional insured;

12.4. Workers Compensation as provided for in the jurisdiction where the Property is located, with an Employer's Liability limit of not less than \$500,000 per accident or disease; and

12.5. Umbrella or excess liability in an amount not less than \$5,000,000 per occurrence and aggregate in excess of the above-referenced Commercial General, Business Auto and Employer's Liability, naming CenturyLink as additional insured; and

12.6. "All Risk" property insurance on a full replacement cost basis insuring Choice One's property situated on or within the Property, naming CenturyLink as loss payee. Choice One may elect to insure business interruption and contingent business interruption, as it is agreed that CenturyLink has no liability for loss of profit or revenues should an interruption of service occur.

12.7. Nothing contained in this Section shall limit Choice One's liability to CenturyLink to the limits of insurance certified or carried.

12.8. All policies required of Choice One shall contain evidence of the insurer's waiver of the right of subrogation against CenturyLink for any insured loss covered thereunder. All policies of insurance shall be written as primary policies and not contributing with or in excess of the coverage, if any, that CenturyLink may carry.

12.9. Choice One shall furnish to CenturyLink a certificate or certificates of insurance, satisfactory in form and content to CenturyLink, evidencing that the above coverage is in force and has been endorsed to guarantee that the coverage will not be cancelled without first giving at least thirty (30) Days prior written notice to CenturyLink.

13. BRANDING

- 13.1. Choice One shall provide the exclusive interface to Choice One subscribers, except as Choice One shall otherwise specify for the reporting of trouble or other matters identified by Choice One for which CenturyLink may directly communicate with Choice One subscribers. In those instances where Choice One requests that CenturyLink personnel interface with Choice One subscribers, such CenturyLink personnel shall inform Choice One subscribers that they are representing Choice One, or such brand as Choice One may specify.
- 13.2. Other business materials furnished by CenturyLink to Choice One subscribers shall bear no corporate name, logo, trademark or tradename.
- 13.3. Except as specifically permitted by a Party, in no event shall either Party provide information to the other Party's subscribers about the other Party or the other Party's products or services.
- 13.4. CenturyLink shall share pertinent details of CenturyLink's training approaches related to branding with Choice One to be used by CenturyLink to assure that CenturyLink meets the branding requirements agreed to by the Parties.
- 13.5. This Section shall not confer on either Party any rights to the service marks, trademarks and/or trade names owned by or used in connection with services by the other Party, except as expressly permitted in writing by the other Party.

14. REMEDIES

- 14.1. Except as otherwise provided herein, all rights of termination, cancellation or other remedies prescribed in this Agreement, or otherwise available, are cumulative and are not intended to be exclusive of other remedies to which the injured Party may be entitled in case of any breach or threatened breach by the other Party of any provision of this Agreement, and use of one or more remedies shall not bar use of any other remedy for the purpose of enforcing the provisions of this Agreement.

15. CONFIDENTIALITY AND PUBLICITY

- 15.1. All information which is disclosed by one Party ("Disclosing Party") to the other ("Recipient") in connection with this Agreement, or acquired in the course of performance of this Agreement, shall be deemed confidential and proprietary to the Disclosing Party and subject to this Agreement, such information includes but is not limited to, orders for services, usage information in any form, and CPNI as that term is defined by the Act and the rules and regulations of the FCC ("Confidential Information").
- 15.2. During the term of this Agreement, and for a period of five (5) year thereafter, Recipient shall:
 - 15.2.1. use Confidential Information only for the purpose of performing under this Agreement,
 - 15.2.2. hold Confidential Information in confidence and disclose it only to employees or agents who have a need to know it in order to perform under this Agreement, and
 - 15.2.3. safeguard Confidential Information from unauthorized use or Disclosure using no less than the degree of care with which Recipient safeguards its own Confidential Information.
- 15.3. Recipient shall have no obligation to safeguard Confidential Information which:
 - 15.3.1. was in the Recipient's possession free of restriction prior to its receipt from Disclosing Party,
 - 15.3.2. becomes publicly known or available through no breach of this Agreement by Recipient,

- 15.3.3. is rightfully acquired by Recipient free of restrictions on its Disclosure, or
- 15.3.4. is independently developed by personnel of Recipient to whom the Disclosing Party's Confidential Information had not been previously disclosed.
- 15.4. Recipient may disclose Confidential Information if required by law, a court, or governmental agency, if the Disclosing Party has been notified of the requirement promptly after Recipient becomes aware of the requirement, and the Recipient undertakes all lawful measures to avoid disclosing such information until Disclosing Party has had reasonable time to obtain a protective order. Recipient will comply with any protective order that covers the Confidential Information to be disclosed.
- 15.5. Each Party agrees that in the event of a breach of this Section 15 by Recipient or its representatives, Disclosing Party shall be entitled to equitable relief, including injunctive relief and specific performance. Such remedies shall not be exclusive, but shall be in addition to all other remedies available at law or in equity.
- 15.6. Unless otherwise agreed, neither Party shall publish or use the other Party's logo, trademark, service mark, name, language, pictures, symbols or words from which the other Party's name may reasonably be inferred or implied in any product, service, advertisement, promotion, or any other publicity matter, except that nothing in this paragraph shall prohibit a Party from engaging in valid comparative advertising. This Section 15.6 shall confer no rights on a Party to the service marks, trademarks and trade names owned or used in connection with services by the other Party or its Affiliates, except as expressly permitted by the other Party.
- 15.7. Neither Party shall produce, publish, or distribute any press release nor other publicity referring to the other Party or its Affiliates, or referring to this Agreement, without the prior written approval of the other Party. Each party shall obtain the other Party's prior approval before discussing this Agreement in any press or media interviews. In no event shall either Party mischaracterize the contents of this Agreement in any public statement or in any representation to a governmental entity or member thereof.
- 15.8. Except as otherwise expressly provided in this Section 15, nothing herein shall be construed as limiting the rights of either Party with respect to its customer information under any applicable law, including without limitation §222 of the Act.

16. DISCLAIMER OF WARRANTIES

- 16.1. EXCEPT AS SPECIFICALLY PROVIDED ELSEWHERE IN THIS AGREEMENT TO THE CONTRARY, NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, FUNCTIONALITY OR CHARACTERISTICS OF THE SERVICES PROVIDED PURSUANT TO THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. NO REPRESENTATION OR STATEMENT MADE BY EITHER PARTY OR ANY OF ITS AGENTS OR EMPLOYEES, ORAL OR WRITTEN, INCLUDING, BUT NOT LIMITED TO, ANY SPECIFICATIONS, DESCRIPTIONS OR STATEMENTS PROVIDED OR MADE SHALL BE BINDING UPON EITHER PARTY AS A WARRANTY.

17. ASSIGNMENT AND SUBCONTRACT

- 17.1. If any Affiliate of either Party succeeds to that portion of the business of such Party that is responsible for, or entitled to, any rights, obligations, duties, or other interests under this Agreement, such Affiliate may succeed to those rights, obligations, duties, and interest of such Party under this Agreement. In the event of any such succession hereunder, the successor shall expressly undertake in writing to the other Party the performance and liability for those obligations and duties as to which it is succeeding a Party to this Agreement.

- 17.2. Except as provided in Section 17.1, any assignment of this Agreement or of the obligations to be performed, in whole or in part, or of any other interest of a Party hereunder, without the other Party's written consent, shall be void. Upon a request by a Party for such consent, the other Party shall not unreasonably withhold or delay such consent, provided however, that reasonable grounds for withholding consent would include, without limitation, the existence of any material default by the requesting Party. For purposes of this paragraph, a Party shall be considered to be in material default if there are any outstanding amounts owed that have not been paid on or before the due date.
- 17.3. If a Party uses products or services obtained from the other Party under this Agreement to serve end user customers, then such Party may not make any sale or transfer of such end user customer accounts, or any facilities used to serve such end user customers, unless the purchaser or transferee has executed a written agreement to assume liability for any outstanding unpaid balances owed to the other Party under this Agreement for such services and products. Notwithstanding any assumption of liability by the purchaser or transferee, the Party selling or transferring such end user customer accounts, or facilities, shall remain jointly liable for the unpaid balances until the same are satisfied, in full, unless the selling or transferring Party obtains a written release of liability from the other Party, which release shall be at the reasonable discretion of the other Party.
- 17.4. If a Party seeks to transfer only a portion of facilities ordered pursuant to this Agreement, while retaining other facilities, then such transfer shall be treated as a disconnection and subsequent activation, subject to applicable disconnection and activation charges for such facilities, including any early termination fees, if applicable.

18. GOVERNING LAW

- 18.1. This Agreement shall be governed by and construed in accordance with the Act, the FCC's Rules and Regulations and orders of the Commission, except insofar as state law may control any aspect of this Agreement, in which case the domestic laws of the Commission's state, without regard to its conflicts of laws principles, shall govern.

19. RELATIONSHIP OF PARTIES

- 19.1. It is the intention of the Parties that each Party shall be an independent contractor and nothing contained herein shall constitute the Parties as joint venturers, partners, employees or agents of one another, and neither Party shall have the right or power to bind or obligate the other.

20. NO THIRD PARTY BENEFICIARIES

- 20.1. The provisions of this Agreement are for the benefit of the Parties hereto and not for any other person, and this Agreement shall not provide any person not a party hereto with any remedy, claim, liability, reimbursement, right of action, or other right in excess of those existing without reference hereto. This shall not be construed to prevent Choice One from providing its Telecommunications Services to other carriers.

21. NOTICES

- 21.1. Except as otherwise provided herein, all notices or other communication hereunder shall be deemed to have been duly given when made in writing and delivered in person or deposited in the United States mail, certified mail, postage prepaid, return receipt requested and addressed as follows:

If to Choice One:
One Communications
Attn: Pamela L. Hintz

If to CenturyLink:
Director — Contract Management
CenturyLink

V.P. of Regulatory Compliance
5 Wall Street
Burlington, MA 01803
Fax: 781-362-1312
phintz@onecommunications.com

KSOPKJ0201-2076
5454 W. 110th Street
Overland Park, KS 66211

With a Copy To:

One Communications
Attn: Raymond Ostroski
General Counsel
5 Wall Street
Burlington, MA 01803
Fax: 781-362-1430
rostroski@onecommunications.com

CenturyLink
Senior Counsel
5454 West 110th Street
Overland Park, Kansas 66211
Bill.f.watkins@CenturyLink.com

- 21.2. If delivery, other than certified mail, return receipt requested, is used to give notice, a receipt of such delivery shall be obtained and the notice shall be effective when received. If delivery via certified mail, return receipt requested, is used, notice shall be effective when sent. The address to which notices or communications may be given to either Party may be changed by written notice given by such Party to the other pursuant to this Section.

22. WAIVERS

- 22.1. No waiver of any provisions of this Agreement and no consent to any default under this Agreement shall be effective unless the same shall be in writing and properly executed by or on behalf of the Party against whom such waiver or consent is claimed.
- 22.2. No course of dealing or failure of any Party to strictly enforce any term, right, or condition of this Agreement in any instance shall be construed as a general waiver or relinquishment of such term, right or condition.
- 22.3. Waiver by either Party of any default by the other Party shall not be deemed a waiver of any other default.

23. SURVIVAL

- 23.1. Termination of this Agreement, or any part hereof, for any cause shall not release either Party from any liability which at the time of termination had already accrued to the other Party or which thereafter accrues in any respect to any act or omission occurring prior to the termination or from an obligation which is expressly stated in this Agreement to survive termination including but not limited to Sections 7, 8, 9, 10, 11, 15, 20, 22, and 25.

24. FORCE MAJEURE

- 24.1. Neither Party shall be held liable for any delay or failure in performance of any part of this Agreement from any cause beyond its control and without its fault or negligence, such as acts of God, acts of civil or military authority, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, power blackouts, strikes, work stoppage affecting a supplier or unusually severe weather. No delay or other failure to perform shall be excused pursuant to this Section 24 unless delay or failure and consequences thereof are beyond the control and without the fault or negligence of the Party claiming excusable delay or other failure to perform. Subject to Sections 4.4, 5.2, 5.4, and 5.5 hereof, in the event of any such excused delay in the performance of a Party's obligation(s) under this Agreement, the due date for the

performance of the original obligation(s) shall be extended by a term equal to the time lost by reason of the delay. In the event of such delay, the delayed Party shall perform its obligations at a performance level no less than that which it uses for its own operations. In the event of such performance delay or failure by CenturyLink, CenturyLink agrees to resume performance in a nondiscriminatory manner and not favor its own provision of Telecommunications Services above that of Choice One.

25. **DISPUTE RESOLUTION**

- 25.1. The Parties recognize and agree that the Commission has continuing jurisdiction to implement and enforce all terms and conditions of this Agreement, except those services in Part I (non-251 services). Accordingly, the Parties agree that any dispute arising out of or relating to this Agreement that the Parties cannot resolve, other than Part I (non-251 services), may be submitted to the Commission for resolution, in the manner provided for herein. The dispute resolution provisions of this Section shall not preclude the Parties from seeking relief available in any other forum.
- 25.2. A Party may not submit a dispute to the Commission for resolution unless at least sixty (60) Days have elapsed after the Party asserting the dispute has given written notice of such dispute to the other Party. Such notice must explain in reasonable detail the specific circumstances and grounds for each disputed item, which shall include the specific information required in Section 7.3 for billing disputes. If a Party gives notice of a billing dispute more than thirty (30) Days after the billing date and has not paid the disputed amounts by the payment due date, then the notice of such dispute shall be deemed to have been given thirty (30) Days after the billing date for purposes of calculating the time period before such dispute may be submitted to the Commission.
- 25.3. The Parties shall meet or confer as often as they reasonably deem necessary in order to discuss the dispute and negotiate in good faith in an effort to resolve such dispute. The specific format for such discussions will be left to the discretion of the Parties, provided, however, that all reasonable requests for relevant, non-privileged, information made by one Party to the other Party shall be honored, ^{and} provided that the following terms and conditions shall apply:
- 25.3.1. If either Party provides written notice to the other Party that a billing dispute has been denied, stating the grounds for such determination, then the disputing Party shall have ten (10) Days in which to either pay the disputed amounts or to send written notice to the other advising that the Disputing Party disagrees with the determination by the other Party, and such notice may be accompanied by any additional, relevant materials submitted by the disputing Party. Failure by the disputing Party to make a timely response to a notice of denial by the other Party shall result in lifting the suspension of the payment due date for such disputed invoice, and the possible assessment of late charges and suspension or termination of service for non-payment of billed amount in accordance with Section 7.2.
- 25.4. If the Parties are unable to resolve the dispute in the normal course of business within thirty (30) Days after delivery of notice of the Dispute, then upon the request of either Party, the dispute shall be escalated to other representatives of each Party that have authority to settle the dispute, and such escalation may be repeated every thirty (30) Days during which negotiations continue. Referral of a dispute by a Party to its legal counsel shall be considered an escalation for purposes of this paragraph.
- 25.5. If the Parties are unable to resolve the dispute within sixty (60) Days after delivery of the initial notice of the dispute, then either Party may file a petition or complaint with the Commission seeking resolution of the dispute. The petition or complaint shall include a statement that both Parties have agreed to request an expedited resolution by the Commission within sixty (60) Days from the date on which the petition or complaint was filed with the Commission.

- 25.6. If the Commission appoints an expert(s) or other facilitator(s) to assist in its decision making, each Party shall pay half of the fees and expenses so incurred.
- 25.7. During the Commission proceeding each Party shall continue to perform its obligations under this Agreement provided, however, that neither Party shall be required to act in any unlawful fashion.
- 25.8. A dispute which has been resolved by a written settlement agreement between the Parties or pursuant to a determination by the Commission may not be resubmitted under the dispute resolution process.

26. COOPERATION ON FRAUD

- 26.1. The Parties agree that they shall cooperate with one another to investigate, minimize and take corrective action in cases of fraud. The Parties' fraud minimization procedures are to be cost effective and implemented so as not to unduly burden or harm one party as compared to the other.

27. TAXES

- 27.1. For purposes of this Section, the terms "taxes" and "fees" shall include but not be limited to federal, state or local sales, use, excise, gross receipts or other taxes or tax-like fees of whatever nature and however designated (including Tariff surcharges and any fees, charges or other payments, contractual or otherwise, for the use of public streets or rights of way, whether designated as franchise fees or otherwise) imposed, or sought to be imposed, on or with respect to the services furnished hereunder or measured by the charges or payments therefore, excluding any taxes levied on income.
- 27.2. Taxes and Fees Imposed Directly On Either Providing Party or Purchasing Party.
- 27.2.1. Taxes and fees imposed on the providing Party, which are not permitted or required to be passed on by the providing Party to its customer, shall be borne and paid by the providing Party.
- 27.2.2. Taxes and fees imposed on the purchasing Party, which are not required to be collected and/or remitted by the providing Party, shall be borne and paid by the purchasing Party.
- 27.3. Taxes and Fees Imposed on Purchasing Party but Collected And Remitted By Providing Party.
- 27.3.1. Taxes and fees imposed on the purchasing Party shall be borne by the purchasing Party, even if the obligation to collect and/or remit such taxes or fees is placed on the providing Party.
- 27.3.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.
- 27.3.3. If the purchasing Party determines that in its opinion any such taxes or fees are not payable, the providing Party shall not bill such taxes or fees to the purchasing Party if the purchasing Party provides written certification, reasonably satisfactory to the providing Party, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis therefore, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing Party has determined and certified not to be payable, or any such tax or fee that was not billed by the providing Party, the purchasing Party may contest the same in good faith, at its own expense. In any such contest, the purchasing Party shall promptly furnish the providing Party with copies of all filings in any proceeding, protest, or legal

challenge, all rulings issued in connection therewith, and all correspondence between the purchasing Party and the taxing authority.

- 27.3.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.
- 27.3.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.
- 27.3.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.
- 27.3.7. Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) Days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) Days after receipt of such assessment, proposed assessment or claim.

27.4. Taxes and Fees Imposed on Providing Party But Passed On To Purchasing Party.

- 27.4.1. Taxes and fees imposed on the providing Party, which are permitted or required to be passed on by the providing Party to its customer, shall be borne by the purchasing Party.
- 27.4.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.
- 27.4.3. If the purchasing Party disagrees with the providing Party's determination as to the application or basis for any such tax or fee, the Parties shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the foregoing, the providing Party shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing Party shall abide by such determination and pay such taxes or fees to the providing Party. The providing Party shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing Party shall be at the purchasing Party's expense.
- 27.4.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.
- 27.4.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.
- 27.4.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's

expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other reasonable charges or payable expenses (including reasonable attorneys' fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.

27.4.7. Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) Days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) Days after receipt of such assessment, proposed assessment or claim.

27.5. In any contest of a tax or fee by one Party, the other Party shall cooperate fully by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest. Further, the other Party shall be reimbursed for any reasonable and necessary out-of-pocket copying and travel expenses incurred in assisting in such contest.

27.6. To the extent a sale is claimed to be for resale and thus subject to tax exemption, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation of the jurisdiction providing said resale tax exemption. If Applicable Law excludes or exempts a purchase of services under this Agreement from a Tax, but does not also provide an exemption procedure, then the providing Party will not collect such Tax if the purchasing Party furnishes the providing Party with a letter or other evidence of exemption, reasonably satisfactory to the providing Party, claiming an exemption and identifying the Applicable Law that both allows such exemption and does not require an exemption certificate. If the exemption is later found to be invalid by the applicable jurisdiction, then the purchasing Party shall pay any tax, interest and/or penalty that is determined to be due, and shall be responsible for any costs incurred by the providing Party, including but not limited to reasonable attorneys' fees.

28. AMENDMENTS AND MODIFICATIONS

28.1. No provision of this Agreement shall be deemed waived, amended or modified by either Party unless such a waiver, amendment or modification is in writing, dated, and signed by both Parties.

29. SEVERABILITY

29.1. Subject to Section 4.2, if any part of this Agreement is held to be invalid, void or unenforceable for any reason, such invalidity will affect only the portion of this Agreement which is invalid. In all other respects this Agreement will stand as if such invalid provision had not been a part thereof, and the remainder of the Agreement shall remain in full force and effect and shall in no way be affected, impaired or invalidated thereby.

30. HEADINGS NOT CONTROLLING

30.1. The headings and numbering of Sections and Parts in this Agreement are for convenience only and shall not be construed to define or limit any of the terms herein or affect the meaning or interpretation of this Agreement.

31. ENTIRE AGREEMENT

31.1. This Agreement, including all Parts and subordinate documents attached hereto or referenced herein, all of which are hereby incorporated by reference herein, subject only to the terms of any applicable Tariff on file with the state Commission or the FCC, constitute the entire matter thereof, and supersede all prior oral or written agreements,

representations, statements, negotiations, understandings, proposals, and undertakings with respect to the subject matter thereof.

32. SUCCESSORS AND ASSIGNS

32.1. Subject to the terms of this Agreement, CenturyLink and Choice One agree this Agreement shall be binding upon, and inure to the benefit of, the Parties hereto and their respective successors and permitted assigns.

33. IMPLEMENTATION PLAN

33.1. This Agreement sets forth the overall standards of performance for the services, processes, and systems capabilities that the Parties will provide to each other, and the intervals at which those services, processes and capabilities will be provided. The Parties understand that the arrangements and provision of services described in this Agreement shall require technical and operational coordination between the Parties. Accordingly, the Parties agree to form a team (the "Implementation Team") which shall develop and identify those processes, guidelines, specifications, standards and additional terms and conditions necessary to support and satisfy the standards set forth in this Agreement and implement each Party's obligations hereunder.

33.2. Dispute Resolution. If the Implementation Team is unable to agree upon any of the matters to be included in the Implementation Plan, then either Party may invoke the procedures set forth in Part B Section 25.

34. FEDERAL JURISDICTIONAL AREAS

34.1. Article 1, §8, Clause 17 of the United States Constitution provides the authority to Congress to exercise exclusive jurisdiction over areas and structures used for military purposes (Federal Enclaves). Thus, Telecommunications Services to such Federal Enclaves are not subject to the jurisdiction of the Commission. The Parties agree that Services provided within Federal Enclaves are not within the scope of this Agreement. To the extent CenturyLink has contracts with federal entities that limit or prohibit the ability of Choice One to provide resale or UNEs such contract will govern Telecommunications Services on such Federal Enclave. If the contract with the federal entity provides for the resale or provision of UNEs to provide service on the Federal Enclave, CenturyLink will provide Choice One with information regarding the provision of service on the Federal Enclave.

PART C — GENERAL PRINCIPLES

35. USE OF FACILITIES

- 35.1. In situations where a competitive LEC has the use of the facilities (*i.e.*, Local Loop) to a specific customer premise, either through resale of local service or the lease of the Local Loop as an Unbundled Network Element, and CenturyLink receives a good faith request for service from a customer at the same premise or from another carrier with the appropriate customer authorization, the procedures below will apply.
- 35.1.1. CenturyLink will process such orders and provision services consistent with the terms contained in Section 71, of this Agreement.
- 35.1.2. Where Choice One is using a single facility to provide service to multiple end user customers, CenturyLink will not disconnect that facility as a result of the following procedures.
- 35.1.3. CenturyLink will follow methods prescribed by the FCC and any applicable state regulation for carrier change verification.
- 35.1.4. Customer with Existing Service Changing Local Service Provider:
- 35.1.5. In situations where a competitive LEC submits an order for an end user customer that is changing local service providers for existing service, and is not adding service (*i.e.*, an additional line), CenturyLink will process the service request without delay, and provide the losing competitive LEC a customer loss notification consistent with industry standards.
- 35.1.6. Customer with Existing Service Adding New Service
- 35.1.7. In situations where an order is submitted for an end user customer adding service to existing service (*i.e.*, an additional line), the order should be marked as an additional line and existing facilities will not be affected.
- 35.1.8. Customer Requesting New Service where Previous Customer has Abandoned Service
- (a) The following applies in the case where an end user customer vacates premises without notifying the local service provider and a new end user customer moves into the vacated premises and orders new service from a local service provider and neither CenturyLink nor the previous local service provider are aware that the original end user customer has abandoned the service in place.
 - (b) When a carrier requests service at a location and marks the order as abandoned and Choice One is the previous local service provider, CenturyLink shall notify Choice One via fax that it has had a request for service at the premise location that is currently being served by Choice One;
 - (c) If available to CenturyLink, CenturyLink shall include the name and address of the party receiving service at such locations, but at a minimum shall provide local service address location information;
 - (d) If Choice One does not respond within twenty-four (24) hours (excluding weekends and holidays) after receiving CenturyLink's notification or if Choice One responds relinquishing the facilities, CenturyLink shall be free to use the facilities in question and CenturyLink shall issue a disconnect order with respect to Choice One service at that location. If Choice One responds stating that the service is working and should not be disconnected, CenturyLink will notify the carrier ordering service and

request verification of the address and location or the submission of an order for an additional line.

36. PRICE SCHEDULE

36.1. All prices under this Agreement are set forth in the attachments designated Table One and Table Two of this Agreement are hereby incorporated into, and made a part of, this Agreement. If this Agreement provides for a service that does not have a corresponding rate in Table One or Table Two, or is not subject to Section 42, CenturyLink will develop a rate consistent with Section 43.

36.2. Subject to the provisions of Section 4 of this Agreement, all rates provided under this Agreement shall remain in effect for the term of this Agreement.

36.3. Local Service Resale

The rates that Choice One shall pay to CenturyLink for Local Resale are as set forth in Table One of this Agreement and shall be applied consistent with the provisions of Part D of this Agreement.

36.4. Unbundled Network Elements

The charges that Choice One shall pay to CenturyLink for Unbundled Network Elements are set forth in Table One of this Agreement.

36.5. Collocation

The charges that Choice One shall pay to CenturyLink for Collocation are set forth in Table Two of this Agreement.

36.6. Call Related Databases

The charges that Choice One shall pay to CenturyLink for Call Related Databases purchased pursuant to Part J are set forth in Table One of this Agreement.

37. SECURITY DEPOSIT

37.1. CenturyLink reserves the right to secure the account at any time with a suitable security deposit in the form and amounts set forth herein if payment of the security deposit is not made within thirty (30) days of the request, CenturyLink may stop processing orders for service and Carrier will be considered in material breach of the Agreement.

37.2. Security deposits shall take the form of cash or cash equivalent, an irrevocable letter of credit or other form of security acceptable to CenturyLink.

37.3. If a security deposit is required on a new account, Choice One will remit such security deposit prior to inauguration of service. If a security deposit is requested or increased for an existing account, payment of the security deposit will be made prior to acceptance by CenturyLink of additional orders for service.

37.4. Security deposits shall be in an amount equal to two (2) months' estimated billings as calculated by CenturyLink, or twice the most recent month's invoices from CenturyLink for existing accounts. All security deposits will be subject to a minimum deposit level of \$10,000. CTL will send security deposit waiver for Choice One.

37.5. The fact that a security deposit has been made in no way relieves Choice One from complying with CenturyLink's regulations as to advance payments and the prompt payment of bills on presentation, nor is it a waiver or modification of the regular practices of CenturyLink for the discontinuance of service for non-payment of any sums due CenturyLink.

37.6. CenturyLink may require an increase in the security deposit when (i) the amount of the deposit currently held by CenturyLink is less than two (2) months' estimated billings, or

(ii) when gross monthly billing has increased beyond the level initially used to determine the security deposit.

37.7. Any security deposit shall be held by CenturyLink as a guarantee of payment of any charges for services billed to Choice One pursuant to this Agreement or in connection with any other services provided to Choice One by CenturyLink. CenturyLink may exercise its right to credit any cash deposit to Choice One's account, or to demand payment from the issuing bank or bonding company of any irrevocable bank letter of credit, upon the occurrence of any one of the following events:

37.7.1. when Choice One's undisputed balances due to CenturyLink are more than thirty (30) Days past due; or

37.7.2. when Choice One files for protection under the bankruptcy laws; or

37.7.3. when an involuntary petition in bankruptcy is filed against Choice One and is not dismissed within sixty (60) Days; or

37.7.4. when this Agreement expires or terminates; or

37.7.5. any letter of credit issued hereunder or any bank issuing a letter of credit hereunder (each, a "Letter of Credit Bank") fails to meet the terms, conditions, and requirements set forth below in this Section; ; or

37.7.6. Choice One fails to provide CenturyLink with a replacement letter of credit on the terms set forth herein at least ten (10) Business Days prior to the expiration of any letter of credit issued to CenturyLink hereunder.

37.8. If any security deposit held by CenturyLink is applied as a credit toward payment of Choice One's balances due to CenturyLink, then CenturyLink may require Choice One to provide a new deposit. If payment of the new deposit is not made within thirty (30) Days of the request, CenturyLink may stop processing orders for service and Choice One will be considered in breach of the Agreement.

37.9. Any security deposit may be held during the continuance of the service as security for the payment of any and all amounts accruing for the service. No interest will accrue or be paid on deposits.

37.10. Any letter of credit issued o CenturyLink hereunder must meet the following requirements:

37.10.1. The bank issuing any letter of credit hereunder (the "Letter of Credit Bank") must maintain a minimum credit rating of A (by Standard & Poor's) or A2 (by Moody's). If Choice One proposes that the letter of credit be issued by a bank that is not so rated by Standard & Poor's or Moody's, then Choice One must obtain the prior written approval by CenturyLink to use such bank as the Letter of Credit Bank.

37.10.2. The original letter of credit shall be in such form and on terms that are acceptable to CenturyLink and must include an automatic one-year renewal extension.

37.10.3. If Choice One receives notice from the Letter of Credit Bank of any non-renewal of a letter of credit issued hereunder, then Choice One shall promptly notify CenturyLink of such notice of non-renewal. Not later than ten (10) Business Days prior to the expiration of the letter of credit, Choice One shall provide CenturyLink a replacement letter of credit on substantially identical terms to the existing letter of credit (or such other terms as are acceptable to CenturyLink). If Choice One provides a replacement letter of credit not later than 10 Business Days prior to the expiration of the expiring letter of credit, then CenturyLink shall not make a drawing under the expiring letter of credit. Upon receipt of a replacement letter of credit meeting the requirements set

forth in this Agreement, CenturyLink will provide the original, expiring letter of credit to Choice One.

- 37.10.4. If Choice One desires to replace any letter of credit issued to CenturyLink hereunder, whether due to non-renewal or otherwise, each such replacement letter of credit and the Letter of Credit Bank issuing such replacement letter of credit must meet the terms, conditions and requirements set forth in this Section.

PART D — LOCAL RESALE

38. TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE

38.1. At the request of Choice One, and pursuant to the requirements of the Act, and FCC and Commission Rules and Regulations, CenturyLink shall make available to Choice One for resale Telecommunications Services that CenturyLink currently provides or may provide hereafter at retail to subscribers who are not Telecommunications Carriers. Such resale may be as allowed by the FCC and Commission. The Telecommunications Services provided by CenturyLink to Choice One pursuant to this Part D are collectively referred to as "Local Resale." To the extent that this Part describes services which CenturyLink shall make available to Choice One for resale pursuant to this Agreement, this list of services is neither all inclusive nor exclusive.

39. GENERAL TERMS AND CONDITIONS

39.1. The prices charged to Choice One for Local Resale are the CenturyLink Tariff retail prices, discounted as set forth in Part C of this Agreement.

- 39.1.1. Voluntary Federal and State Subscriber Financial Assistance Programs. Subsidized local Telecommunications Services are provided to low-income subscribers pursuant to requirements established by the appropriate state regulatory body, and include programs such as Voluntary Federal Subscriber Financial Assistance Program and Link-Up America. Voluntary Federal and State Subscriber Financial Assistance Programs are not Telecommunications Services that are available for resale under this Agreement.
- 39.1.2. CenturyLink shall offer for resale to Choice One all Grandfathered Services solely for the existing grandfathered base on a customer specific basis. CenturyLink shall make reasonable efforts to provide Choice One with advance copy of any request for the termination of service and/or grandfathering to be filed by CenturyLink with the Commission.
- 39.1.3. CenturyLink shall offer for resale all of its Telecommunications Services available at retail to subscribers who are not Telecommunications Carriers, including but not limited to Contract Service Arrangements (or ICB), Special Arrangements (or ICB), and Promotions in excess of ninety (90) Days, all in accordance with FCC and Commission Rules and Regulations. For Contract Service Arrangements, Special Arrangements, or ICBs, the end user customer's agreement with CenturyLink will terminate and any applicable termination liabilities will be charged to the end user customer. The terms of the Contract Service Arrangement, Special Arrangement or ICB will apply commencing on the date Choice One commences to provide service to the end user customer and ending on the end date of the Contract Service Arrangement, Special Arrangement or ICB. CenturyLink will apply the rate in the Contract Service Arrangement, Special Arrangement or ICB in accordance with Section 39.1.
- 39.1.4. Customer Owned Coin Operated Telephone (COCOT) or Public Telephone Access lines will not be resold to payphone service providers at wholesale prices under this Agreement.
- 39.1.5. For Telecommunications Services that are offered by CenturyLink to its end users and that are available for resale, the rules and regulations associated with CenturyLink's retail Tariff(s) shall apply when the services are resold by Choice One. Use limitations shall be in Parity with services offered by CenturyLink to its end users.

- 39.1.6. Except as set forth above and as may be allowed by the FCC or Commission, CenturyLink shall not place conditions or restrictions on Choice One's resale of wholesale regulated Telecommunications Services, except for restrictions on the resale of residential service to other classifications (*i.e.*, residential service to business customers) and for promotions of ninety (90) Days or less in length. In addition, Choice One shall be prohibited from marketing its products using the CenturyLink product name (*e.g.*, Choice One may purchase the features package called "CenturyLink Essential" but shall be prohibited from reselling this product using the CenturyLink brand name or the CenturyLink product name). Every regulated retail service rate, including promotions over ninety (90) Days in length, discounts, and option plans will have a corresponding wholesale rate. CenturyLink will make wholesale Telecommunications Service offerings available for all new regulated services at the same time the retail service becomes available.
- 39.1.7. Voice Mail Service is not a Telecommunications Service available for resale under this Agreement. However, where available, CenturyLink shall make available for Local Resale the SMDI-E (Station Message Desk Interface-Enhanced), or SMDI (Station Message Desk Interface) where SMDI-E is not available, feature capability allowing for Voice Mail Services. CenturyLink shall make available the MWI (Message Waiting Indicator) interrupted dial tone and message waiting light feature capabilities where technically available. CenturyLink shall make available CF-B/DA (Call Forward on Busy/Don't Answer), CF/B (Call Forward on Busy), and CF/DA (Call Forward Don't Answer) feature capabilities allowing for Voice Mail services. Where available, Choice One may purchase Voice Mail Service and related services for its end users at CenturyLink's retail rates.
- 39.1.8. Hospitality Service. CenturyLink shall provide all blocking, screening, and all other applicable functions available for hospitality lines under tariff.
- 39.1.9. LIDB Administration
- (a) CenturyLink shall maintain customer information for Choice One customers who subscribe to resold CenturyLink local service dial tone lines, in CenturyLink's LIDB in the same manner that it maintains information in LIDB for its own similarly situated end user subscribers. CenturyLink shall update and maintain Choice One information in LIDB on the same schedule that it uses for its own similarly situated end user subscribers.
 - (b) Until such time as CenturyLink's LIDB has the software capability to recognize a resold number as Choice One's, CenturyLink shall store the resold number in its LIDB at no charge and shall retain revenue for LIDB look-ups to the resold number.
- 39.1.10. CenturyLink will continue to provide Primary Interexchange Carrier ("PIC") processing for end users obtaining resold service from Choice One. CenturyLink will bill and Choice One will pay any PIC change charges. CenturyLink will only accept said requests for PIC changes from Choice One and not from Choice One's end users.

PART E — UNBUNDLED NETWORK ELEMENTS

40. GENERAL

- 40.1. Pursuant to the following terms, CenturyLink will unbundle and separately price and offer Unbundled Network Elements ("UNEs"). Choice One shall pay CenturyLink the recurring and non-recurring charges listed in Table One or agreed to by the Parties for the UNEs provisioned.

41. USE OF UNBUNDLED NETWORK ELEMENTS

- 41.1. CenturyLink shall offer UNEs to Choice One for the purpose of offering Telecommunications Service in accordance with applicable law. CenturyLink shall offer UNEs to Choice One on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement.
- 41.2. Choice One may use one or more UNEs to provide any feature, function, capability, or service option that such UNE(s) is (are) technically capable of providing, except as otherwise limited herein. Except as provided elsewhere in this Agreement, it is Choice One's obligation to combine CenturyLink provided UNEs with any and all facilities and services whether provided by CenturyLink, Choice One, or any other party. Choice One may Commingle UNEs with Wholesale Services or Tariffed access services obtained from CenturyLink as provided for in this Agreement.
- 41.3. Each UNE provided by CenturyLink to Choice One shall be at Parity with the quality of design, performance, features, functions, capabilities and other characteristics, that CenturyLink provides to itself, CenturyLink's own subscribers, to a CenturyLink Affiliate or to any other Telecommunications Carrier requesting access to that UNE.
- 41.4. Choice One may use Network Elements provided under this Agreement for any Telecommunications Service subject to the conditions listed below. By placing an order for UNEs, Choice One certifies that these requirements are met.
- 41.4.1. Any combination of the following, where both are provided by CenturyLink, are subject to the EEL use restrictions in Section 52. Such restrictions apply irrespective of the manner in which the loops and transport are combined
- (a) high capacity loops (DS1, DS3), to the extent available, and special access transport (a commingled facility); or
 - (b) special access channel terminations (DS1, DS3) and Dedicated Transport (DS1, DS3), to the extent available (a commingled facility), or
 - (c) high capacity loops (DS1, DS3) and Dedicated Transport (DS1, DS3).
- 41.4.2. Choice One may not order or use a UNE for the exclusive provision of Mobile Wireless Service. Facilities connecting CenturyLink's network and CMRS carriers' networks do not qualify as UNEs and will not be available to Choice One as UNEs.
- 41.4.3. Choice One may not order or use a UNE for the exclusive provision of Interexchange Services (*i.e.*, interLATA or intraLATA long distance). Facilities connecting CenturyLink's network and interexchange carriers' networks used by the interexchange carrier to exclusively provide such services to end users do not qualify as UNEs and will not be available to Choice One as UNE
- 41.4.4. Choice One may not use a UNE for the exclusive provision of Interexchange Services, Mobile Wireless Service, or Information Services. Choice One may not order or use a UNE for the sole purpose of selling it to another carrier for the exclusive provision of Mobile Wireless Service or Interexchange Services,

- 41.4.5. An Information Service is not an eligible telecommunications service except that Choice One can use unbundled loops in accordance with this Agreement to provide xDSL and Vol P services.

42. BONA FIDE REQUEST PROCESS

- 42.1. CenturyLink shall promptly consider and analyze Choice One requests for unbundled Network Elements that are not currently developed by CenturyLink, network information that is reasonably required to determine what unbundled Network Elements it needs to serve a particular customer or development of and changes to CenturyLink work processes related to ordering, provisioning or installation of unbundled Network Elements with the submission of a Bona Fide Request ("BFR") hereunder.
- 42.2. A BFR shall be submitted in writing on the CenturyLink Standard BFR Form and shall include a clear technical description of each request.
- 42.3. Choice One may cancel a BFR at any time, but shall pay all reasonable and demonstrable costs of processing and/or implementing the BFR up to the date of cancellation.
- 42.4. Within ten (10) Days of its receipt, the CenturyLink shall acknowledge receipt of the BFR.
- 42.5. Except under extraordinary circumstances, within thirty (30) Days of its receipt of a BFR, the CenturyLink shall provide to Choice One a preliminary analysis of such BFR.
- 42.6. Upon receipt of the preliminary analysis, Choice One shall, within thirty (30) Days, notify CenturyLink, in writing, of its intent to proceed or not to proceed.
- 42.7. CenturyLink shall promptly proceed with the BFR upon receipt of written authorization from Choice One. When it receives such authorization, CenturyLink shall promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.
- 42.8. As soon as feasible, but not more than ninety (90) Days after its receipt of authorization to proceed with developing the BFR, CenturyLink shall provide to Choice One a BFR Quote which will include, at a minimum, a description of each service, the availability, the applicable rates and the installation intervals.
- 42.9. Within thirty (30) Days of its receipt of the BFR Quote, Choice One must either confirm, in writing, its order for the BFR pursuant to the BFR Quote or if a disagreement arises, seek resolution of the dispute under the Dispute Resolution procedures in Part B of this Agreement.
- 42.10. If a Party to a BFR believes that the other Party is not requesting, negotiating or processing the BFR in good faith, or disputes a determination, or price or cost quote, such Party may seek resolution of the dispute pursuant to the Dispute Resolution provisions in Part B of this Agreement.

43. INDIVIDUAL CASE BASIS PRICING

- 43.1. Individual Case Basis (ICB) pricing will be provided by CenturyLink upon request from Choice One for customer specific rates or terms for network services and features for UNEs that are not otherwise provided for in this Agreement
- 43.2. CenturyLink will process ICB Pricing requests upon receipt from Choice One. CenturyLink will provide Choice One a price quote within thirty (30) Business Days from the receipt of the request. Price quote intervals may vary depending upon the complexity of the request but shall not exceed thirty (30) Business Days from the receipt of the request.

44. NETWORK INTERFACE DEVICE

- 44.1. CenturyLink will offer unbundled access to the network interface device element (NID). The NID is defined as any means of interconnection of end user customer premises wiring to an incumbent LEC's distribution plant, such as a cross connect device used for that purpose. This includes all features, functions, and capabilities of the facilities used to connect the loop to end user customer premises wiring, regardless of the specific mechanical design.
- 44.2. The function of the NID is to establish the network demarcation point between a LEG (ILEC/Choice One) and its subscriber. The NID provides a protective ground connection, protection against lightning and other high voltage surges and is capable of terminating cables such as twisted pair cable.
- 44.3. Choice One may connect its NID to CenturyLink's NID either through a cross connect or through the end user's inside wiring; may connect an unbundled loop to Choice One's NID; or may connect Choice One's own Loop to CenturyLink's NID, except that Choice One may not disconnect CenturyLink's loop and leave it disconnected from CenturyLink's NID. CenturyLink will provide one NID termination with each loop. If additional NID terminations are required, Choice One may request them pursuant to the process detailed in the Bona Fide Request Section herein.
- 44.4. CenturyLink will provide Choice One with information that will enable their technician to locate end user inside wiring at NIDs terminating multiple subscribers. CenturyLink will dispatch a technician and tag the wiring at Choice One's request. In such cases the charges specified in Table One will apply.
- 44.5. CenturyLink will not provide specialized (CenturyLink non-standard) NIDs.
- 44.6. The CenturyLink NID shall provide a clean, accessible point of connection for the inside wiring and for the distribution media and/or cross connect to Choice One's facility and shall maintain a connection to ground that meets applicable industry standards. Each Party shall ground its NID independently of the other party's NID.
- 44.7. A NID will be provided with each unbundled loop and is included in the loop pricing shown in Table One. CenturyLink will also provide NIDs separately from loops for a separate price as shown in Table One, and Choice One shall order stand-alone NIDs whenever Choice One utilizes CenturyLink's NID in any fashion other than with an unbundled loop.
- 44.8. Choice One shall be liable to CenturyLink for any damage to the NID caused by improper or unauthorized use of CenturyLink's NID by Choice One, and in the event such damage occurs CenturyLink shall be entitled to seek injunctive relief to prevent further damage to its NIDs, in addition to any monetary damages that CenturyLink may be entitled to recover.

45. LOOP

- 45.1. CenturyLink will provide Choice One access to Local Loops, including Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. The following section includes the terms and conditions for Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. Terms and conditions for making any network modifications resulting from Choice One's request for Local Loops are contained in Section 53.
- 45.2. At Choice One's request, and if Technically Feasible, CenturyLink will test and report trouble on conditioned loops for all of the line's features, functions, and capabilities, and will not restrict its testing to voice-transmission only. Testing shall include Basic Testing and Cooperative Testing. Optional Cooperative Testing and Joint Testing are performed only at Choice One's request. To the extent Choice One requests testing that would require CenturyLink to purchase new equipment, establish new procedures, or make

systems modifications, Choice One will compensate CenturyLink for costs incurred to provide such testing. Request for additional testing must be submitted pursuant to the BAR Process in Section 42.

- 45.2.1. Basic Testing shall include simple metallic measurements only. Basic Testing does not include cooperative or joint testing efforts that require CenturyLink's technician to work jointly with Choice One's staff ("Cooperative Testing" or "Joint Testing").
- 45.2.2. Cooperative testing is provided on service order activity only and will be provided by CenturyLink at Choice One's expense. CenturyLink technicians will try to contact Choice One's representative at the conclusion of installation. If Choice One does not respond within three (3) minutes, CenturyLink may, in its sole discretion, continue its attempts to contact Choice One's representative, and bill Choice One in increments of fifteen (15) minutes for the technician's time for so long as such efforts continue, or CenturyLink may abandon the test and Choice One will be charged for the test and any additional technician time involved (beyond the initial 3 minutes) at the rates set out in Table One.
- 45.2.3. Joint Testing is provided on maintenance activity only and will be provided by CenturyLink at Choice One's expense, when requested. CenturyLink technicians will try to contact Choice One's representative to initiate Joint Testing after completing the requested activity. If Choice One does not respond within three (3) minutes, CenturyLink may, in its sole discretion, continue its attempts to contact Choice One's representative, and bill Choice One in increments of fifteen (15) minutes for the technician's time for so long as such efforts continue, or CenturyLink may abandon the test and Choice One will be charged for the test and any additional technician time involved (beyond the initial 3 minutes) at the rates set out in Table One. Loops involving multiplexing prohibit the reading of a short.
- 45.2.4. CenturyLink will charge Choice One at the rates set out on Table One, when the location of the trouble on a Choice One-reported ticket is determined to be in Choice One's network or on Choice One end user's side of the Demarcation Point.

45.3. Analog Loop Capabilities

- 45.3.1. Analog loops facilitate the transmission of voice grade signals in the 300-3000 Hz range and terminate in a 2-wire or 4-wire electrical interface at Choice One's end user's premises. Choice One shall not install equipment on analog Loops that exceeds the specified bandwidth.
- 45.3.2. CenturyLink will provide analog Loops as Copper Loops, Hybrid Loops, and where required, FTTH Loops and FTTC Loops, based on available facilities.

45.4. Digital Loops

- 45.4.1. CenturyLink will provide digital Loops on the basis of the service that will be provisioned over the Loop. Digital Loops are Copper Loops over which Choice One may deploy advanced services. Deployment of advanced services over digital loops by Choice One will be consistent with the terms and conditions contained in Section 45.6. On digital Loops, CenturyLink will only provide electrical continuity and line balance.
- 45.4.2. CenturyLink shall employ industry accepted standards and practices to maximize binder group efficiency through analyzing the interference potential of each loop in a binder group, assigning an aggregate interference limit to the binder group, and then adding loops to the binder group until that limit is met. Disputes regarding the standards and practices employed in this regard shall

be resolved through the Dispute Resolution Process set forth in Part B of this Agreement.

- 45.4.3. Reverse ADSL Loops. If a Choice One's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to CenturyLink's Network and if an ADSL Copper Loop should start at an outside location, and is looped through a host or remote, and then to the subscriber, the copper plant from the outside location to the CenturyLink host or remote central office must be a facility dedicated to ADSL transmission only and not part of CenturyLink's regular feeder or distribution plant.

45.5. Non-Standard Digital Loops

- 45.5.1. If Choice One requests a digital Loop, for which the effective loop length exceeds the xDSL standard of 18 kft (subject to gauge design used in an area), CenturyLink will only provide a Non-Standard Digital Loop. Additional non-recurring charges for conditioning will apply. Non-Standard Digital Loops will not be subject to performance measurements or technical specifications, however, all of the SMC requirements set forth in Section 45.4 are applicable.

45.6. Adherence to National Industry Standards

- 45.6.1. In providing advanced service loop technology, CenturyLink shall allow Choice One to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.
- 45.6.2. Until long term industry standards and practices can be established, a particular technology shall be presumed acceptable for deployment under certain circumstances. Deployment that is consistent with at least one of the following circumstances presumes that such loop technology will not significantly degrade the performance of other advanced services or impair traditional analog circuit-switched voice band services:
 - (a) Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;
 - (b) Is approved by an industry standards body, the FCC, or any state commission; or
 - (c) Has been successfully deployed by any Choice One without significantly degrading the performance of other services.
- 45.6.3. Where Choice One seeks to establish that deployment of a technology falls within the presumption of acceptability under Section 45.6.2, the burden is on Choice One to demonstrate to the Commission that its proposed deployment meets the threshold for a presumption of acceptability and will not, in fact, significantly degrade the performance of other advanced services or traditional voice band services.
- 45.6.4. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering party and give them a reasonable opportunity to correct the problem. The interfering Party will immediately stop any new deployment until the problem is resolved to mitigate disruption of other carrier services. If the affected parties are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that the deployed technology is the cause of the interference, the deploying party will remedy the problem by reducing the number of existing customers utilizing the technology or by migrating them to another technology that does not disturb.

- 45.6.5. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 46.2, the degraded service shall not prevail against the newly deployed technology.
- 45.6.6. If CenturyLink denies a request by Choice One to deploy a technology, it will provide detailed, specific information providing the reasons for the rejection.
- 45.6.7. Parties agree to abide by national standards as developed by ANSI, i.e., Committee T1E1.4 group defining standards for loop technology. At the time the deployed technology is standardized by ANSI or the recognized standards body, Choice One will upgrade its equipment to the adopted standard within sixty (60) Days of the standard being adopted.
- 45.6.8. Choice One shall meet the power spectral density requirement given in the respective technical references listed below:
- (a) For Basic Rate ISDN: Telcordia TR-NWT-000393 Generic Requirements for ISDN Basic Access Digital Subscriber Lines.
 - (b) For HDSL installations: Telcordia TA-NWT-001210 Generic Requirements for High-Bit-Rate Digital Subscriber Lines. **Some** fractional T1 derived products operating at 768 kbps may use the same standard.
 - (c) For ADSL: ANSI T1.413-1998 (Issue 2 and subsequent revisions) Asymmetrical Digital Subscriber Line (ADSL) Metallic Interface.
 - (d) As an alternative to Section 45.6.8, Choice One may meet the requirements given in ANSI document T1E1.4/2000-002R2 dated May 1, 2000. "Working Draft of Spectrum Management Standard" and subsequent revisions of this document.

45.7. Information to be Provided for Deployment of Advanced Services

45.7.1. Upon request, CenturyLink shall provide to Choice One:

- (a) information with respect to the spectrum management procedures and policies that CenturyLink uses in determining which services can be deployed;
- (b) information with respect to the rejection of Choice One's provision of advanced services, together with the specific reason for the rejection; and
- (c) information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops.

45.7.2. In connection with the provision of advanced services, Choice One shall provide to CenturyLink the following information on the type of technology that Choice One seeks to deploy where Choice One asserts that the technology it seeks to deploy fits within a generic Power Spectral Density (PSD) mask:

- (a) information in writing (via the service order) regarding the Spectrum Management Class (SMC), as defined in the T1E1.4/2000-002R2 Draft, of the desired loop so that the loop and/or binder group may be engineered to meet the appropriate spectrum compatibility requirements;
- (b) the SMC (i.e., PSD mask) of the service it seeks to deploy, at the time of ordering and if Choice One requires a change in the SMC of a particular loop, Choice One shall notify CenturyLink in writing of the requested change in SMC (via a service order);

- (c) to the extent not previously provided Choice One must disclose to CenturyLink every SMC that Choice One has implemented on CenturyLink's facilities to permit effective Spectrum Management.

45.8. DS1 Loops

- 45.8.1. Subject to the cap in Section 45.8.2, CenturyLink will provide Choice One nondiscriminatory access to a DS1 Loop on an unbundled basis to any building not served by a Wire Center with at least 60,000 Business Lines and at least four Fiber-based Collocators. Once a Wire Center exceeds both of these thresholds, no future DS1 loop unbundling will be required in that wire center. DS1 loops include, but are not limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate digital subscriber line services, including T1 services. The Wire Centers that meet these requirements as of the date of this Agreement are listed on Exhibit A.
- 45.8.2. Choice One may obtain a maximum of ten unbundled DS1 loops to any single building in which DS1 loops are available as unbundled loops.
- 45.8.3. Where CenturyLink is not required to provide unbundled DS1 loops pursuant to Sections 45.8.1 and 45.8.2, Choice One may not obtain new DS1 loops as UNEs.
- 45.8.4. Any DS1 loops that Choice One previously leased from CenturyLink but which CenturyLink is not obligated to unbundle pursuant to Sections 45.8.1 and 45.8.2, are subject to the following:
 - (a) Such DS1 Loops must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If Choice One fails to submit the necessary orders to convert the DS1 Loops to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, CenturyLink will convert the DS1 Loops to comparable access services at applicable rates. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.
 - (b) Any service provided to Choice One by CenturyLink after 03/10/06 over DS1 Loops that CenturyLink was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after CenturyLink was no longer required to unbundle such facilities.
- 45.8.5. If CenturyLink identifies Wire Centers in addition to those listed on Exhibit A that exceed the DS1 Loop threshold, CenturyLink will provide Choice One notice in accordance with the notice provisions of this Agreement and CenturyLink will also post such information on its website. Choice One shall not be able to order new DS1 loops for the identified wire centers after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a wire center designation and the dispute was resolved by the Commission, the parties will abide by the Commission's decision. Any DS1 loops leased from CenturyLink within an identified Wire Center on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate that is equal toll 5% of the rate Choice One paid on the date of the notice.
 - (a) Choice One must submit the necessary orders to convert such DS1 Loops to an alternative service arrangement within six (6) months of the above notice date. By the end of the six month period, Choice One must

have transitioned the UNEs to alternative facilities or arrangements. If Choice One fails to submit the necessary orders before the end of the six (6) month period, CenturyLink will convert the DS1 Loops to comparable Access Services. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

45.9. DS3 Loops

- 45.9.1. Subject to the cap described in Section 45.9.2, CenturyLink shall provide Choice One with nondiscriminatory access to a DS3 loop on an unbundled basis to any building not served by a Wire Center with at least 38,000 Business Lines and at least four Fiber-based Collocators. Once a Wire Center exceeds both of these thresholds, no future DS3 loop unbundling will be required in that Wire Center. The Wire Centers that meet these requirements as of the date of this Agreement are listed on Exhibit A.
- 45.9.2. Choice One may obtain a maximum of a single unbundled DS3 loop to any single building in which DS3 loops are available as unbundled loops.
- 45.9.3. Where CenturyLink is not required to provide unbundled DS3 loops pursuant to Sections 45.9.1 and 45.9.2, Choice One may not obtain new DS3 loops as UNEs.
- 45.9.4. Any DS3 loop UNEs that Choice One previously leased from CenturyLink but which CenturyLink is not obligated to unbundle pursuant to Sections 45.9.1 and 45.9.2, are subject to the following:
 - (a) Such DS3 Loops must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If Choice One fails to submit the necessary orders to convert the DS3 Loops to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, CenturyLink will convert the DS3 Loops to comparable Access Services. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.
 - (b) Any service provided to Choice One by CenturyLink after 03/10/06 over DS3 Loops that CenturyLink was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after CenturyLink was no longer required to unbundle such facilities.
- 45.9.5. If CenturyLink identifies Wire Centers in addition to those listed on Exhibit A that exceed the threshold, CenturyLink will provide Choice One notice in accordance with the notice provisions of this Agreement and CenturyLink will also post such information on its website. Choice One shall not be able to order new DS3 loops for the identified wire centers after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a wire center designation and the dispute was resolved by the Commission, the parties will abide by the Commission's decision. Any DS3 loops leased from CenturyLink on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate that is equal to 115% of the rate Choice One paid on the date of the notice.
 - (a) Choice One must submit the necessary orders to convert such DS3 Loops to an alternative service arrangement within six months of the above notice date. By the end of the six month period, Choice One must

have transitioned the UNEs to alternative facilities or arrangements. If Choice One fails to submit the necessary orders by the end of the six (6) month period, CenturyLink will convert the DS3 Loops to comparable Access Services at applicable rates. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

45.10. Hybrid Loops. CenturyLink will provide Choice One access to Hybrid Loops for the provision of narrowband services as provided below. CenturyLink is not required to provide unbundled access to the packet switched features, functions, and capabilities of its Hybrid Loops.

45.10.1. When Choice One requests access to a Hybrid Loop for the provision of narrowband services, CenturyLink will

- (a) Provide non-discriminatory unbundled access to the entire Hybrid Loop capable of providing voice-grade service (i.e., equivalent to DSO capacity) using time division multiplexing, or
- (b) Provide non-discriminatory unbundled access to a spare Copper Loop serving that end user.

45.11. Fiber Loops. CenturyLink is not required to provide Choice One with access to Dark Fiber Loop on an unbundled basis.

45.12. FTTH and FTTC Loops

45.12.1. New builds. CenturyLink will not provide non-discriminatory access to FTTH Loop or a FTTC Loop on an unbundled basis when CenturyLink has deployed a FTTH or FTTC Loop to an end user customer premise that previously has not been served by any loop facility.

45.12.2. Overbuilds. CenturyLink will not provide non-discriminatory access to FTTH Loop or FTTC Loop on an unbundled basis when CenturyLink has deployed a FTTH Loop or FTTC Loop parallel to, or in replacement of, an existing loop facility, except that:

- (a) CenturyLink will maintain the existing Copper Loop connected to a particular customer premises after deploying FTTH Loop or FTTC Loop and provide non-discriminatory access to the Copper Loop on an unbundled basis unless CenturyLink has retired the Copper Loop as set forth below.
- (b) If CenturyLink deploys FTTH Loop or FTTC Loop and maintains the existing Copper Loop, CenturyLink will restore the Copper Loop to serviceable condition upon request and at Choice One's expense.
- (c) If CenturyLink deploys FTTH Loop or FTTC Loop and retires the existing Copper Loop, CenturyLink will provide non-discriminatory access to a 64 kilobits per second transmission path capable of voice grade service over the FTTH Loop or FTTC Loop.
- (d) Prior to retiring Copper Loop or copper subloop that has been replaced with FTTH Loop or FTTC Loop CenturyLink will comply with the notice requirements set forth in 251(c)(5) of the Act, §§51.325 through 51.335 of the Code of Federal Regulations and applicable Commission requirements, if any.

45.13. Tag and Label. At Choice One's request, CenturyLink will tag and label unbundled loops at the Network Interface Device (NID). Tag and label may be ordered simultaneously with the ordering of the Loop or as a separate service subsequent to the ordering of the Loop.

- 45.13.1. CenturyLink will include the following information on the label: order number, due date, Choice One name, and the circuit number.
- 45.13.2. Choice One must specify on the order form whether each Loop should be tagged and labeled.
- 45.13.3. The rates for Loop tag and label and related services are set forth on Table One. A trip charge may be billed in addition to the Tag and Label charges.

46. SUBLOOPS

- 46.1. CenturyLink will offer unbundled access to copper subloops and subloops for access to multiunit premises wiring. CenturyLink will consider all requests for access to subloops through the ICB process due to the wide variety of interconnections available and the lack of standards. A written response will be provided to Choice One covering the interconnection time intervals, prices and other information based on the ICB process as set forth in this Agreement.
- 46.2. CenturyLink is not required to provide Choice One access to dark fiber subloops.
- 46.3. Copper Subloops. CenturyLink will make available access to copper subloops on an unbundled basis. A copper subloop is a portion of a Copper Loop, or Hybrid Loop, and is comprised entirely of copper wire or copper cable that acts as a transmission facility between any accessible terminal in CenturyLink's outside plant, including inside wire owned or controlled by CenturyLink, and the end user customer premises. A copper subloop can also include intermediate devices, such as repeaters, used to establish the transmission path. Copper subloops can be used by Choice One to provide voice-grade services as well as digital subscriber line services. Access to copper subloops is subject to the collocation provisions of this Agreement. Copper subloop consists of the distribution portion of the Copper Loop. CenturyLink is not obligated to offer feeder loop plant as a stand-alone UNE.
 - 46.3.1. An accessible terminal is any point on the loop where technicians can access a copper wire within the cable without removing a splice case. Such points include, but are not limited to, a pole or pedestal, the serving area interface, the network interface device, the minimum point of entry, any remote terminal, and the feeder/distribution interface.
- 46.4. Multiunit premises wiring. CenturyLink will make available to Choice One access to subloops for access to multiunit premises wiring on an unbundled basis. The subloop for access to multiunit premises wiring is defined as any portion of the loop that it is technically feasible to access at a terminal in CenturyLink's outside plant at or near a multiunit premises, including inside wire. Inside wire is wire owned or controlled by CenturyLink at a multiunit customer premises between the minimum point of entry and the point of demarcation.
 - 46.4.1. An accessible terminal is any point in CenturyLink's network where a technician can access the wire within the cable (*e.g.*, via screw posts, terminals, patch panels) without removing a splice case to reach the wire within to access the wiring in the multiunit premises. Such points include, but are not limited to, a pole or pedestal, the NID, the minimum point of entry, the single point of interconnection, and the feeder/distribution interface.
 - 46.4.2. Upon request for interconnection at a multiunit premises where CenturyLink owns, controls, or leases wiring, CenturyLink will provide a single point of interconnection that is suitable for use by multiple carriers. If the Parties do not agree on appropriate terms, conditions and rates for the single point of interconnection to multiunit premises wiring either Party may invoke the Dispute Resolution provisions of this Agreement.

- 46.5. CenturyLink will not provide or maintain inside wire in situations where it determines there are health or safety concerns in doing so.
- 46.6. Deployment of advanced services by Choice One over subloops will be in accordance with the terms included in Section 45.6 and Section 46.7.
- 46.7. Reverse ADSL Loops/ Sub-Loops. If a Choice One's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to CenturyLink's Network and if an ADSL Copper Loop should start at an outside location, and is looped through a host or remote, and then to the subscriber, the copper plant from the outside location to the CenturyLink host or remote central office must be a facility dedicated to ADSL transmission only and not part of CenturyLink's regular feeder or distribution plant. Operations Support Systems (OSS)
- 46.8. CenturyLink will offer unbundled access to CenturyLink's operations support systems to the extent technically feasible in a non-discriminatory manner at Parity. OSS consists of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by CenturyLink's databases and information. The OSS element includes access to all loop qualification information contained in CenturyLink's databases or other records, including information on whether a particular loop is capable of providing advanced services.

47. **LOOP MAKE-UP INFORMATION**

- 47.1. CenturyLink shall make available Loop Make-Up Information in a non-discriminatory manner at Parity with the data and access it gives itself and other competitive LECs, including affiliates. The charges for Loop Make-Up Information are set forth in Table One to this Agreement.
- 47.2. Information provided to Choice One will not be filtered or digested in a manner that would affect Choice One's ability to qualify the loop for advanced services.
- 47.3. CenturyLink shall provide Loop Make-Up information based on the individual telephone number or address of an end user in a particular wire center or NXX code. Loop Make-Up Information requests will be rejected if the service address is not found within existing serving address information, if the telephone number provided is not a working number or if the POI identified is not a P01 where the requesting Choice One connects to the CenturyLink LTD network.
- 47.4. Errors identified in validation of the Loop Make-Up Information inquiry order will be returned to Choice One.
- 47.5. CenturyLink may provide the requested Loop Make-Up Information to Choice One in whatever manner CenturyLink would provide to their own internal personnel, without jeopardizing the integrity of proprietary information (i.e., fax, intranet inquiry, document delivery, etc.). If the data is provided via fax, Choice One must provide a unique fax number used solely for the receipt of Loop Make-Up Information.
- 47.6. If Choice One does not order Loop Make-Up Information prior to placing an order for a loop for the purpose of provisioning of an advanced service and the advanced service cannot be successfully implemented on that loop, Choice One agrees that:
 - 47.6.1. Choice One will be charged a Trouble Isolation Charge to determine the cause of the failure;
 - 47.6.2. If CenturyLink undertakes Loop Make-Up Information activity to determine the reason for such failure, Choice One will be charged a Loop Make-Up Information Charge; and
 - 47.6.3. If CenturyLink undertakes Conditioning activity for a particular loop to provide for the successful installation of advanced services, Choice One will pay

applicable conditioning charges as set forth in Table One pursuant to Section 53.3 of this Agreement.

48. LOCAL CIRCUIT SWITCHING

- 48.1. CenturyLink is not required to provide access to local circuit switching on an unbundled basis.

49. DEDICATED TRANSPORT

- 49.1. CenturyLink shall provide Choice One with nondiscriminatory access to dedicated transport on an unbundled basis, as set forth in this Agreement. A "route" is a transmission path between one of CenturyLink's Wire Centers or switches and another of CenturyLink's Wire Centers or switches. A route between two points (*e.g.*, Wire Center or switch "A" and Wire Center or switch "Z") may pass through one or more intermediate wire centers or switches (*e.g.*, Wire Center or switch "X"). Transmission paths between identical end points (*e.g.*, Wire Center or switch "A" and Wire Center or switch "Z") are the same "route," irrespective of whether they pass through the same intermediate Wire Centers or switches, if any.

- 49.1.1. CenturyLink is not obligated to provide a requesting carrier with unbundled access to dedicated transport that does not connect a pair of CenturyLink Wire Centers (*i.e.*, entrance facilities). Further, CenturyLink is not obligated to provide DSO or OC-N and above Dedicated Transport facilities as a UNE.

- 49.2. Dedicated DS1 transport shall be made available to Choice One on an unbundled basis as set forth below. Dedicated DS1 transport consists of CenturyLink interoffice transmission facilities that have a total digital signal speed of 1.544 megabytes per second and are dedicated to a particular customer or carrier.

- 49.2.1. CenturyLink shall unbundle DS1 transport between any pair of CenturyLink Wire Centers except where, through application of tier classifications defined in Part A, both wire centers defining the route are Tier 1 Wire Centers. As such, CenturyLink will unbundle DS1 transport if a Wire Center at either end of a requested route is *not* a Tier 1 Wire Center, or if *neither* is a Tier 1 Wire Center.

- 49.2.2. Choice One may obtain a maximum of ten unbundled DS1 dedicated transport circuits on each route where DS1 dedicated transport is available on an unbundled basis.

- 49.2.3. Where CenturyLink is not required to provide unbundled DS1 transport pursuant Sections 49.2.1 and 49.2.2, Choice One may not obtain new DS1 transport as unbundled Network Elements.

- 49.2.4. Any DS1 dedicated transport that Choice One previously leased from CenturyLink but which CenturyLink is not obligated to unbundle pursuant to Sections 49.2.1 and 49.2.2, shall be subject to the following:

- (a) Such DS1 dedicated transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If Choice One fails to submit the necessary orders to convert and complete the transition of such DS1 transport to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, CenturyLink will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.
- (b) Any DS1 dedicated transport service provided to Choice One by CenturyLink after 03/10/06 that CenturyLink was no longer required to unbundle shall be subject to billing at applicable rates for comparable

access services, provided however, that such access rates shall not apply until ninety (90) Days after CenturyLink was no longer required to unbundled such transport.

49.2.5. If CenturyLink identifies routes in addition to those listed on Exhibit A that exceed the DS1 Dedicated Transport circuit threshold for a route, CenturyLink will provide Choice One notice in accordance with the notice provisions of this Agreement and CenturyLink will also post such information on its website. Choice One shall not be able to order new DS1 Dedicated Transport for the identified routes after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a Wire Center designation and the dispute was resolved by the Commission, the parties will abide by the Commission's decision. Any DS1 Dedicated Transport leased from CenturyLink within the identified route on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate that is equal to 115% of the rate Choice One paid on the date of the notice.

(a) Choice One must submit the necessary orders to convert such DS1 Dedicated Transport to an alternative service arrangement within six months of the above notice date. By the end of the six month period, Choice One must have transitioned the transport to alternative facilities or arrangements. If Choice One fails to submit the necessary orders within the six month period, CenturyLink will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

49.3. Dedicated DS3 transport shall be made available to Choice One on an unbundled basis as set forth below. Dedicated DS3 transport consists of CenturyLink interoffice transmission facilities that have a total digital signal speed of 44.736 megabytes per second and are dedicated to a particular customer or carrier.

49.3.1. CenturyLink shall unbundle DS3 transport between any pair of CenturyLink Wire Centers except where, through application of tier classifications defined in this Agreement, both Wire Centers defining the route are either Tier 1 or Tier 2 wire centers. As such, CenturyLink will unbundle DS3 transport if a Wire Center on either end of a requested route is a Tier 3 Wire Center.

49.3.2. Choice One may obtain a maximum of twelve unbundled DS3 dedicated transport circuits on each route where DS3 dedicated transport is available on an unbundled basis.

49.3.3. Where CenturyLink is not required to provide unbundled DS3 transport pursuant to Sections 49.3.1 and 49.3.2, Choice One may not obtain new DS3 transport as unbundled Network Elements.

49.3.4. Any DS3 dedicated transport UNE that Choice One previously leased from CenturyLink as of 03/11/05 but which CenturyLink is not obligated to unbundle pursuant to Sections 49.3.1 and 49.3.2, shall be subject to the following:

(a) Such DS3 dedicated transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If Choice One fails to convert and complete the transition of such DS3 transport to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, CenturyLink will convert the DS3 Dedicated Transport to comparable Access Services. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

- (b) Any DS3 dedicated transport service provided to Choice One by CenturyLink after 03/10/06 that CenturyLink was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after CenturyLink was no longer required to unbundle such transport.

49.3.5. If CenturyLink identifies routes in addition to those listed on Exhibit A that exceed the DS3 Dedicated Transport circuit threshold for a route, CenturyLink will provide Choice One notice in accordance with the notice provisions of this Agreement and CenturyLink will also post such information on its website. Choice One shall not be able to order new DS3 Dedicated Transport for the identified routes after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a Wire Center designation and the dispute was resolved by the Commission, the parties will abide by the Commission's decision. Any DS3 Dedicated Transport leased from CenturyLink within the identified route on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate that is equal to 115% of the rate Choice One paid on the date of the notice.

- (a) Choice One must submit the necessary orders to convert such DS3 Dedicated Transport to an alternative service arrangement within six months of the above notice date. By the end of the six (6) month period, Choice One must have transitioned the transport to alternative facilities or arrangements. If Choice One fails to submit the necessary orders before the end of six (6) month period, CenturyLink will convert the DS3 Dedicated Transport to comparable Access Services at applicable rates. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

49.4. Technical Requirements for DS1 and DS3 Dedicated Transport

49.4.1. Where technologically feasible and available, CenturyLink shall offer Dedicated Transport consistent with the underlying technology as follows:

- (a) When CenturyLink provides Dedicated Transport, the entire designated transmission circuit (*e.g.*, DS1, DS3) shall be dedicated to Choice One designated traffic.
- (b) Where CenturyLink has technology available, CenturyLink shall provide Dedicated Transport using currently available technologies including, but not limited to, DS1 and DS3 transport systems, SONET (or SDS) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONET (or SDS) point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates.

49.5. Dedicated Dark Fiber Transport

49.5.1. General Rules and Definition

- (a) Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is unactivated fiber optic cable, deployed by CenturyLink, that has not been activated through connections to optonics that light it, and thereby render it capable of carrying communications.
- (b) CenturyLink will unbundle Dark Fiber for Dedicated Transport as set forth in this Agreement and as follows:

- (i) CenturyLink shall unbundle dark fiber transport between any pair of CenturyLink Wire Centers except where both wire centers defining the route are either Tier 1 or Tier 2 Wire Centers. CenturyLink will unbundle dark fiber transport if a Wire Center on either end of a requested route is a Tier 3 Wire Center.
- (ii) Where CenturyLink is not required to provide unbundled dark fiber transport, Choice One may not obtain new dark fiber transport as a UNE.
- (iii) Any Dark Fiber transport that Choice One previously leased from CenturyLink, but which CenturyLink is no longer obligated to unbundle pursuant to Section 50.5 shall be subject to the following:
 - (A) Such Dark Fiber transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If Choice One fails to submit the necessary orders to convert such Dark Fiber transport to an alternative arrangement within such thirty (30) Day period, CenturyLink will have the right to terminate and disconnect the Dark Fiber transport.
 - (B) Any Dark Fiber transport service provided by CenturyLink to Choice One after 09/05/06 that CenturyLink was not obligated to provide shall be billed at applicable rates for comparable access services, based on the capacity of the electronics deployed in connection with such Dark Fiber transit.
- (c) If CenturyLink identifies routes in addition to those listed on Exhibit A that exceed the threshold, CenturyLink will provide Choice One notice in accordance with the notice provisions of this Agreement and CenturyLink will also post such information on its website. Choice One shall not be able to order new Dark Fiber Dedicated Transport for the identified routes after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a Wire Center designation and the dispute was resolved by the Commission, the parties will abide by the Commission's decision. Any Dark Fiber Dedicated Transport leased from CenturyLink within the identified route on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate equal that is 115% of rate Choice One paid on the date of the notice.

Choice One must submit the necessary orders to convert such dark fiber dedicated transport to an alternative service arrangement within six months of the above notice date. By the end of the six (6) month period, Choice One must have transitioned the transport to alternative facilities or arrangements. If Choice One fails to submit the necessary orders, CenturyLink will convert the Dark Fiber Dedicated Transport to comparable Access Services, if available, or disconnect the Dark Fiber facilities. CenturyLink will assess the conversion charge and a management fee for the work performed by CenturyLink on behalf of Choice One.

49.5.2. Fiber Availability

- (a) Spare fibers in a sheath are not considered available if CenturyLink has plans to put the fiber in use within the current year or the following year.

- (b) CenturyLink will also maintain fibers to facilitate maintenance, rearrangements and changes. CenturyLink will generally reserve eight percent (8%) of fibers in a sheath for maintenance, subject to a minimum of four (4) fibers and a maximum of twelve (12) fibers.
- (c) Dark fiber requests will be handled on a first come, first served basis, based on the date the Dark Fiber Application (DFA) is received.

49.5.3. Access to Dark Fiber Transport

- (a) Rules for gaining access to unbundled network elements apply to Dark Fiber. Virtual and physical collocation arrangements may be used by Choice One to locate the optical electronic equipment necessary to "light" leased Dark Fiber.
- (b) The Choice One that requests Dark Fiber must be able to connect to the CenturyLink fiber by means of fiber patch panel.
- (c) If fiber patch panels (FPPs) are not located within close enough proximity for a fiber patch cord, Choice One must submit an ICB request for the purchase and installation of intraoffice cabling.
- (d) Establishment of applicable fiber optic transmission equipment or intermediate repeaters needed to power the unbundled Dark Fiber in order to carry Telecommunications Services is the responsibility of Choice One.

49.5.4. Dark Fiber Application and Ordering Procedure

- (a) Choice One will submit a Dark Fiber Application (DFA) and application fee to request that CenturyLink determine the availability of Dark Fiber between Choice One-specified locations. See Table One for application fee amount.
- (b) Within twenty (20) Business Days of receipt of DFA, CenturyLink will provide Choice One with a response regarding fiber availability and price.
 - (i) If Dark Fiber is not available, CenturyLink will notify Choice One of the DFA rejection.
 - (ii) Choice One will follow the Dispute Resolution Process provided in this Agreement if Choice One wishes to contest the rejection.
- (c) If Dark Fiber is available, Choice One will notify CenturyLink of acceptance/rejection of Dark Fiber quote, via a firm order, within ten (10) Business Days of receipt of quote. CenturyLink will reserve the requested Dark Fiber for Choice One during these ten (10) Business Days. If, however, Choice One does not submit a firm order by the tenth (10th) business day, the fiber will no longer be reserved.
- (d) After ten (10) Business Days of receipt of the price quote, if Choice One has not accepted, Choice One must submit another DFA and application fee.
- (e) The Choice One will submit a firm order for Dark Fiber via an access service request (ASR).
- (f) By submitting the Dark Fiber firm order, Choice One agrees to pay quoted monthly recurring and non-recurring charges. See Table One for monthly recurring and non-recurring charges.
- (g) Due Date. CenturyLink will provision Dark Fiber twenty (20) Business Days after it receives firm order from Choice One. Billing of the monthly

recurring and non-recurring charges will begin upon completion of Dark Fiber order. CenturyLink will allow Choice One to extend due date for firm order completion up to sixty (60) Business Days from the date CenturyLink receives firm order from Choice One. This extended due date must be specified on the firm order.

- (i) Billing of the monthly recurring and non-recurring charges will begin on the due date of the Dark Fiber order completion unless:
 - (A) Choice One cancels firm order before the established due date. If this occurs, Choice One agrees to reimburse CenturyLink for all costs incurred to date; or
 - (B) a third party submits firm order for same Dark Fiber. If this occurs, Choice One must begin compensating CenturyLink for monthly recurring and non-recurring charges in order to reserve fiber, once CenturyLink is able to provide Dark Fiber to Choice One.

49.5.5. Maintenance and Testing

- (a) CenturyLink is only responsible for maintaining the facilities that it owns.
- (b) CenturyLink will conduct an end-to-end test of Dark Fiber after receipt of the firm order.
- (c) For meet point arrangements, CenturyLink will conduct cooperative testing with another carrier at Choice One's request. Additional rates and charges will apply.
- (d) CenturyLink does not guarantee that the transmission characteristics of the Dark Fiber will remain unchanged over time.
- (e) CenturyLink is not responsible for determining whether the transmission characteristics of the Dark Fiber will accommodate Choice One requirements.

49.5.6. Rules for Take Back

- (a) CenturyLink reserves the right to take back Dark Fiber to meet its carrier of last resort obligations.
- (b) CenturyLink will provide Choice One twelve (12) months written notice prior to taking back fiber.
- (c) If multiple competitive LECs have leased fiber within a single sheath, CenturyLink will take back the fiber that was the last to be leased.
- (d) CenturyLink will provide Choice One with alternative transport arrangements when CenturyLink takes back working fiber.
- (e) The Dispute Resolution Procedures found in this Agreement will be followed if Choice One wishes to contest CenturyLink's decision to take back its leased fiber.

50. COMMINGLING

50.1. For the purpose of this Section, wholesale services includes both services Choice One procures for resale pursuant to §251(c)(4) and exchange, special and other access services purchased from CenturyLink's access Tariffs.

50.2. Choice One may Commingle an unbundled network element or combination of UNEs with wholesale services purchased from CenturyLink, subject to Section 52.5.3. Upon

request, CenturyLink will perform the work necessary to Commingle such UNE or UNE combinations with wholesale services purchased from CenturyLink subject to Section 42. Choice One will compensate CenturyLink the costs of work performed to Commingle UNEs or UNE combinations with wholesale services. Each component of the commingled facility, either UNE or wholesale service, will be billed at the UNE or wholesale service rate for that component, plus applicable non-recurring charges. CenturyLink will not ratchet price individual components; that is, CenturyLink will not reflect a combination of UNE and wholesale rates for the same component. Wholesale service rates will be per the appropriate Tariff, including any applicable resale discounts pursuant to this Agreement.

51. LINE SPLITTING

51.1. Line Splitting

51.1.1. Line Splitting is an arrangement between two carriers where one carrier provides the voice services and another carrier provides advanced services over an unbundled loop.

51.1.2. Whenever Choice One purchases the unbundled loop, Choice One shall control the entire loop spectrum.

51.1.3. CenturyLink shall institute procedures to allow Choice One or another carrier to order HFS data capabilities on a UNE loop.

51.2. When either Choice One or the other carrier orders Line Splitting using Choice One's OCN, Choice One will be billed the charges for the Line Splitting service. When the other carrier orders Line Splitting using its own OCN, CenturyLink will bill the other carrier for the Line Splitting charges.

52. UNE COMBINATIONS

52.1. Choice One may order UNEs either individually or in the combinations, including EEL as specifically set forth in this Section of the Agreement.

52.2. General Terms and Conditions

52.2.1. CenturyLink will allow Choice One to order each UNE individually in order to permit Choice One to combine UNEs with other UNEs obtained from CenturyLink as provided for in this Agreement, or with network components provided by itself or by third parties to provide Telecommunications Services to its end users, if the requested combination is technically feasible and would not impair the ability of other carriers to obtain access to other unbundled network elements or to interconnect with CenturyLink's network or in combination with any other Network Elements that are currently combined in CenturyLink's network. Upon request, CenturyLink will perform the functions necessary to combine UNEs, even if those elements are not ordinarily combined in CenturyLink's network, if the requested combination is technically feasible and would not impair the ability of other carriers to obtain access to other unbundled Network Elements or to interconnect with CenturyLink's network. Choice One will compensate CenturyLink the costs of work performed to combine the requested UNEs. Any request by Choice One for CenturyLink to provide combined UNEs that are not otherwise specifically provided for under this Agreement will be made in accordance with the BFR process described in Section 42 and made available to Choice One upon implementation by CenturyLink of the necessary operational modifications.

52.3. The provisioning of combinations, including EEL, is limited to existing facilities and CenturyLink is not obligated to construct additional facilities to accommodate any request by Choice One.

52.4. Specific Combinations and Pricing

- 52.4.1. In order to facilitate the provisioning of EELs, CenturyLink shall support the ordering and provisioning of this specific combination as set forth below.

52.5. CenturyLink Offers the Following Combinations of Network Elements

- 52.5.1. EEL is the combination of the NID, Loop, and Dedicated Transport network elements.

- (a) CenturyLink will offer the combination of unbundled loops with wholesale services and unbundled Dedicated Transport, where CenturyLink is required to provide unbundled Dedicated Transport and Local Loops, to provide EELs at the applicable recurring and non-recurring charges as specified in Table One for Loops, Dedicated Transport, and where applicable, Multiplexing. Recurring and nonrecurring charges, including but not limited to cross connect charges and Service Order Charges will apply. CenturyLink will cross-connect unbundled 2- or 4-wire analog or 2-wire digital Loops to unbundled voice grade DS1 or DS3 Dedicated Transport facilities for Choice One's provision of circuit switched telephone exchange service to Choice One's end users.
- (b) Multiplexing shall be provided as necessary as part of Dedicated Transport at the rates shown in Table One.

- 52.5.2. In order to obtain the EEL combinations below, a requesting Choice One must provide certification that it satisfies the service eligibility criteria for each circuit as set forth below. For existing EELs, Choice One must recertify compliance with the EELs criteria within thirty (30) Days of the Effective Date of this Agreement. Choice One must continue to be in compliance with the service eligibility criteria for as long as Choice One continues to receive the services in this Section. CenturyLink will offer the following EEL Combinations:

- (a) Unbundled DS1 Loop in combination with UNE DS1 Dedicated Transport.
- (b) Unbundled DS1 Loop commingled with dedicated DS1 transport wholesale service.
- (c) Unbundled DS1 Loop in combination with UNE DS3 Dedicated Transport.
- (d) Unbundled DS1 Loop commingled with dedicated DS3 transport wholesale service.
- (e) Unbundled DS3 Loop in combination with UNE DS3 Dedicated Transport.
- (f) Unbundled DS3 Loop commingled with dedicated DS3 transport wholesale service.
- (g) Unbundled DS1 Dedicated Transport commingled with DS1 channel termination.
- (h) Unbundled DS3 Dedicated Transport commingled with DS1 channel termination service.
- (i) Unbundled DS3 Dedicated Transport commingled with DS3 channel termination service.

52.5.3. EEL Eligibility Criteria

- (a) Choice One must have state certification to provide local voice service in the area being served or, in the absence of a state certification

requirement, Choice One must have complied with registration, tariffing, filing fee, or other regulatory requirements applicable to the provision of local voice service in the area served;

- (b) The following criteria must be satisfied for each combined circuit, including each DS1 circuit, each DS1 EEL, and each DS1-equivalent circuit on a DS3 EEL:

Each circuit to be provided to each Choice One customer must be assigned one local number prior to the provision of service over the circuit;

- (ii) Each DS1-equivalent circuit on a DS3 EEL must have its own local number assignment, so that each DS3 has up to twenty-eight (28) local voice numbers assigned to it;

- (iii) Each circuit to be provided to each customer must provide 911 or E911 capability prior to the provision of service over the circuit;

- (iv) Each circuit to be provided to each customer must terminate into a collocation that meets one of the following requirements:

(A) a collocation established pursuant to §251(c)(6) of the Act and located at CenturyLink's premises within the same LATA as Choice One's customer's premises, when CenturyLink is not the collocator; or

(B) a collocation located at a third party's premises within the same LATA as Choice One's customer's premises, when CenturyLink is the collocator.

- (v) For each twenty-four (24) DS1 EELs or other facilities having equivalent capacity, Choice One must maintain at least one active DS1 local service interconnection trunk and Choice One is required to transmit the calling party's number in connection with calls exchanged over each trunk. Where Choice One does not establish an interconnection arrangement with CenturyLink for the meaningful exchange of Local Traffic that flows in both directions, such interconnection arrangement shall not satisfy this criteria, and

- (vi) Each circuit to be provided to each customer will be served by a switch capable of switching local voice traffic.

- (c) CenturyLink has the right, upon thirty (30) Days notice, to audit Choice One's compliance with the service eligibility criteria defined by the FCC and as set forth above. CenturyLink will hire and pay for an independent auditor to perform the audit. Choice One will reimburse CenturyLink if the audit report concludes that Choice One failed to materially comply with the service eligibility criteria. CenturyLink may request one audit in a calendar year. In the instance of non-compliance, Choice One shall true-up any difference in payments, convert the non-compliant circuit to the appropriate service and make accurate payments going forward. These audit rights are in addition to CenturyLink's audit rights in Part B of this Agreement.

53. MODIFICATIONS TO CENTURYLINK'S EXISTING NETWORK

53.1. Modifications to Unbundled Loop

53.1.1. CenturyLink will make routine network modifications to unbundled loop facilities used by Choice One where the requested loop facility has already been constructed. CenturyLink will perform routine network modifications to unbundled loop facilities in a nondiscriminatory fashion, without regard to whether the loop facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier. Choice One will compensate CenturyLink for the costs of such routine network modifications to unbundled loop facilities to the extent the costs are not recovered in the unbundled loop rates in accordance with Table One or CenturyLink will provide a price quote via the ICB process.

- (a) In the case of unbundled loop facilities, a routine network modification is an activity that CenturyLink regularly undertakes for its own customers. Routine network modifications may include, but are not limited to, rearranging or splicing of cable; adding an equipment case; adding a doubler or repeater; adding a smart jack; installing a repeater shelf; adding a line card; deploying a new multiplexer or reconfiguring an existing multiplexer and attaching electronic and other equipment that CenturyLink ordinarily attaches to a DS1 Loop to activate such loop for its own customer. Routine network modifications may entail activities such as accessing manholes, deploying bucket trucks to reach aerial cable, and installing equipment casings. Routine network modifications do not include the construction of new loop facilities or the installation of new aerial or buried cable for Choice One.

53.2. Modifications to Dedicated Transport

53.2.1. CenturyLink will make routine network modifications to unbundled dedicated transport facilities used by Choice One where the requested Dedicated Transport facilities have already been constructed. CenturyLink will perform the routine network modifications to unbundled Dedicated Transport facilities in a nondiscriminatory fashion, without regard to whether the facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier. Choice One will compensate CenturyLink for the costs of such routine network modifications to unbundled Dedicated Transport facilities to the extent the costs are not recovered in the unbundled Dedicated Transport rates. CenturyLink will provide routine network modifications at the rates on Table One or CenturyLink will provide a price quote via the ICB process.

- (a) In the case of unbundled Dedicated Transport facilities, a routine network modification is an activity that CenturyLink regularly undertakes for its own customers. Routine network modifications may include, but are not limited to, rearranging or splicing of cable; adding an equipment case; adding a doubler or repeater; installing a repeater shelf; and deploying a new multiplexer or reconfiguring an existing multiplexer. Routine network modifications also include activities needed to enable Choice One to light a Dark Fiber transport facility. Routine network modifications may entail activities such as accessing manholes, deploying bucket trucks to reach aerial cable, and installing equipment casings. Routine network modifications do not include the installation of new aerial or buried cable for Choice One.

53.3. Loop Conditioning. Conditioned loops are loops from which excessive bridge taps, load coils, low-pass filters, range extenders, and similar devices have been removed to enable the delivery of high-speed switched wireline telecommunications capability, including DSL. CenturyLink will condition loops at Choice One's request and will assess charges for loop conditioning in accordance with the prices listed in Table One. CenturyLink

recommends that Choice One utilize the Loop Make-Up process in Section 47 prior to submitting orders for loops intended for advanced services.

- 53.4. CenturyLink is not obligated to build TDM capability into new packet-based networks or into existing packet-based networks that never had TDM capability. This includes packet-based networks that incorporate a packet to TDM format translation to connect to end user customer provided equipment.

PART F — INTERCONNECTION

54. LOCAL INTERCONNECTION TRUNK ARRANGEMENT

54.1. The Parties shall reciprocally terminate Local Traffic and IntraLATA/InterLATA toll calls originating on the other Party's network as follows:

54.1.1. With respect to any new trunking arrangements that are established after the Effective Date of this Agreement, the Parties agree to use and shall make available to each other bi-directional trunks for the reciprocal exchange of combined Local Traffic, and non-equal access IntraLATA toll traffic, subject to any engineering, billing or other constraints.

54.1.2. With respect to any two-way trunks (one-way trunks directionalized in each direction) and one-way trunks for local services previously established between the Parties, the Parties will transition such trunks to bi-directional trunks in accordance with the following:

- (a) The Parties understand that conversion of trunking arrangements from directionalized to bi-directional requires technical and operational coordination between the Parties. Accordingly, the Parties agree to work together to develop a plan, to identify processes, guidelines, specifications, time frames and additional terms and conditions necessary to support and satisfy the standards set forth in the Agreement and implement the conversion of trunking arrangements (the "Conversion Plan").
- (b) The Conversion Plan will identify all trunks to be converted from directionalized to bi-directional arrangements. Choice One agrees that the trunks which shall be converted will include end office two-way trunks (one-way trunks directionalized in each direction) and one-way trunks for local services which subtend a tandem and will also include tandem two-way trunks (one-way trunks directionalized in each direction) and one-way trunks for local services.
- (c) In addition to applicable tariff/contract rates, Choice One agrees to pay the conversion charges listed in Table 1 to compensate CenturyLink for the labor involved in the conversion.

54.1.3. The Parties will make available to each other separate two-way trunks for the exchange of equal-access InterLATA or IntraLATA interexchange traffic.

54.1.4. Separate trunks must be utilized for connecting Choice One's switch to each 911/E911 tandem.

54.2. Direct Interconnection Requirements

54.2.1. Point of Interconnection. The Parties have agreed that Choice One will establish POIs at the following CenturyLink locations:

- (a) CenturyLink Greenville Tandem — LATA 328
- (b) CenturyLink Warren Tandem — LATA 322
- (c) CenturyLink Wooster Tandem — LATA 923
- (d) CenturyLink Mansfield Tandem — LATA 923
- (e) CenturyLink McConnelisville Host — LATA 324
- (f) CenturyLink Pataskala Host — LATA 324
- (g) CenturyLink Junction City Host — LATA 324

- (h) CenturyLink Adamsville Host — LATA 324
 - (i) CenturyLink Crooksville Host — LATA 324
 - (j) CenturyLink Fazeysburg Host — LATA 324
 - (k) CenturyLink Mount Sterling Host — LATA 324
 - (l) CenturyLink Lebanon Host — LATA 922
- 54.2.2. Additional Point of Interconnection Requirements: The Parties agree that Choice One will establish a POI (in addition to those established in 55.2.1) to the extent the one of the following conditions are met:
- (a) If Choice One establishes numbering resources associated with one or more rate centers or is porting in one or more rate centers not identified in 55.2.1, Choice One agrees to establish a POI at the CenturyLink Tandem Switch serving that rate center.
 - (b) To the extent CenturyLink's network contains multiple tandems in the LATA, Choice One must establish a POI at each tandem where it wishes to exchange (*i.e.*, receive or terminate) traffic with CenturyLink.
 - (c) Choice One must establish a POI at any CenturyLink end office that subtends a non-CenturyLink tandem to the extent the volume of traffic exchanged during a three month period (including traffic originating from and terminating to CenturyLink) exceeds a DS1 (*i.e.* 216,000 MOUs per month) in each consecutive month.
- 54.2.3. Choice One will be responsible for engineering and maintaining its network on its side of the POI. CenturyLink will be responsible for engineering and maintaining its network on its side of the POI. Each Party is financially responsible for transport on its side of the POI. If Choice One chooses to lease the facility from the POI to Choice One's network from CenturyLink and the facility is within CenturyLink's serving territory, Choice One will lease the facility from CenturyLink. The Parties agree to use separate trunk groups for Local Traffic and separate trunk groups for non-Local Traffic until CenturyLink's systems can accommodate multi-jurisdictional traffic on the same trunk groups. The Parties agree not to use multi-jurisdictional trunking until such time CenturyLink's systems are capable of properly handling and accurately billing such traffic.
- 54.2.4. Each Party is financially responsible for transporting its originated traffic to the POI.
- 54.2.5. Choice One will establish additional POIs at the following locations:
- 54.2.6. The Parties may interconnect at a mid-span meet subject to the following terms, conditions and provisions:
- (a) The mid-span meet point, as proposed, must be technically feasible and shall be subject to reasonable engineering, environmental, safety and security requirements. Such requirements shall include, without limitation, the technical ability to accommodate testing on each side of the mid-span meet point and to provide for a point of demarcation between the networks of each party and the ability to control the environment.
 - (b) The mid-span meet point must be within or at CenturyLink's exchange boundary.

- (c) The construction of new facilities for a mid-span meet is only applicable when traffic is roughly balanced.
 - (d) CenturyLink will provide up to fifty percent (50%) of the facilities needed to connect the networks of the parties, or to CenturyLink's exchange boundary, whichever is less. Such facilities shall consist only of any new construction needed to extend each Party's existing network to the mid-span meet point and any construction and equipment which is needed at the mid-span meet point itself.
 - (e) CenturyLink will be the "controlling carrier" for purposes of MECOD guidelines, as described in the joint implementation plan.
 - (f) The location, equipment and work needed to establish the mid-span meet point shall be subject to mutual agreement of the Parties.
- 54.2.7. If third party (*i.e.*, Competitive Access Provider or "CAP") leased facilities are used for interconnection, the POI will be deemed to be located at the CenturyLink office in which the leased circuit terminates.
- 54.2.8. If Choice One chooses to interconnect with CenturyLink using a meet-point arrangement (*i.e.*, facilities jointly provisioned by CenturyLink and a third party LEC), Choice One will order those facilities that are wholly within CenturyLink's serving territory from CenturyLink's access tariff.
- 54.2.9. The Choice One shall be required to establish a CLLI Code for the message/switch ACTL at the CenturyLink wire center where the interconnection circuit terminates.

54.3. Technical Requirements for Interconnection

54.3.1. Interconnection at the CenturyLink Tandem

- (P) IntPrsrnnncAntinn to nenturyl ink Tandem Switch(es) will provide Choice One local interconnection for local service purposes to the CenturyLink end offices and NXXs which subtend that tandem(s), where local trunking is provided, and access to the toll network.
- (b) Interconnection to a CenturyLink Tandem for transit purposes will provide access to telecommunications carriers which are connected to that Tandem Switch.
- (c) Where a CenturyLink Tandem Switch also provides End-Office Switch functions, interconnection to a CenturyLink tandem serving that exchange will also provide Choice One access to CenturyLink's end offices.
- (d) Choice One is responsible for provisioning its traffic to interface into CenturyLink's switch port at the DS1 level, including any muxing necessary for such purposes.

54.3.2. Interconnection at the CenturyLink End Office

- (a) Interconnection to CenturyLink End Office Switch will provide Choice One local interconnection for local service purposes to the CenturyLink NXX codes served by that end office and any CenturyLink NXXs served by remotes that subtend those End Offices.
- (b) Choice One is responsible for provisioning its traffic to interface into CenturyLink's switch port at the DS1 level, including any muxing necessary for such purposes.

55. INTERCARRIER COMPENSATION

- 55.1. All Local Traffic (which shall not include ISP-Bound Traffic or VNXX Traffic) shall be exchanged on a bill and keep basis as long as not more than 55% of such traffic, or any component of such Local Traffic is terminated by either Party. If more than 55% of such Local Traffic is terminated by either Party then at the option of the terminating Party, the Parties shall negotiate a subsequent amendment of the ICA to reflect the appropriate charges to be assessed by each Party for terminating such Local Traffic with such amendment to be made effective from and after the date on which the terminating Party provides written notice of a request to negotiate such amendment. If the Parties are unable to negotiate such an amendment, the Parties agree to resolve the issue under section 25 of the Agreement; provided however that such negotiation (and any corresponding dispute resolution proceedings) shall concern only TDM traffic, and the rates which are so determined for Local Traffic shall also be made applicable to any VoIP traffic in accordance with Section 56.8 of this Agreement.
- 55.2. All locally-dialed ISP-Bound Traffic (VNXX and non-VNXX ISP-Bound Traffic) shall be exchanged on a bill and keep basis.
- 55.3. The bill and keep arrangement which may be in effect between the Parties at any time shall not affect the respective rights and obligations of the Parties under this Agreement with respect to any transit charges that may be assessed for transit services provided in connection with any Transit Traffic.
- 55.4. The Parties agree that by executing this Agreement and carrying out the intercarrier compensation rates, terms and conditions herein, neither Party waives any of its rights, and expressly reserves all of its rights, under the Order on Remand and Report and Order, FCC 01-131, CC Dockets No. 96-98 and 99-68, adopted April 18, 2001 (the "ISP Compensation Order"), including but not limited to CenturyLink's option to invoke on a date specified by CenturyLink the FCC's ISP interim compensation regime, after which date ISP-bound traffic will be subject to the FCC's prescribed interim compensation regime including the terminating compensation rates, and other terms and conditions. Choice One agrees that on the date designated by ILEC, the Parties will begin billing Reciprocal Compensation to each other at the rates, terms and conditions specified in the FCC's ISP Compensation Order, unless the Parties are exchanging traffic (Local Traffic and/or ISP-Bound traffic) at Bill and Keep, such Bill and Keep arrangement shall continue.
- 55.5. Compensation for the termination of toll traffic and the origination of 800 traffic between the interconnecting parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations and consistent with the provisions of Part F of this Agreement.
- 55.6. Local Calling Platform ("LCP") traffic is not Local Traffic for purposes of intercarrier compensation, and such LCP traffic shall not be subject to reciprocal compensation. Both Parties represent and warrant that they are not exchanging LPC traffic as of the effective date of this Agreement. Neither Party shall provide an LPC service unless the Party providing such LPC service first notifies the other Party, and the Parties have negotiated a factor to reflect the amount of traffic that will be presumed to be LPC traffic (subject to verification and modification, as necessary). In the absence of a written agreement between the Parties stating otherwise, LCP traffic shall be subject to the originating carrier's originating access rates which shall be payable by the Party owning the number for the intermediate platform (i.e. the first number dialed by the originating end user). Either Party may perform traffic studies at any time to determine if LPC traffic is being routed by the other Party. Each Party will provide data necessary to determine the geographic location associated with the telephone number to which the call was ultimately completed, as distinct from the number of the intermediate platform.

- 55.7. All voice calls exchanged between the Parties originating from or terminating to the PSTN shall be compensated in the same manner (e.g.: reciprocal compensation, interstate access, and intrastate access) regardless of the technology used to originate, terminate, or transport the call, including voice calls that are transmitted in part via the public Internet or a private IP network (VoIP) that originate from or terminate to the PSTN.
- 55.8. VoIP traffic shall be compensated in the same manner as TDM traffic, including without limitation, reciprocal compensation for Local Traffic and tariffed switched access charges at inter/intrastate rates as appropriate. Such compensation arrangements for VoIP traffic will be without prejudice or precedent for any purposes other than this Agreement, and each Party hereby reserves the right to advocate for any type of VoP regulatory treatment, with any subsequent change of law to be applied on a prospective basis only. All voice calls exchanged between the Parties originating from or terminating to the PSTN shall be compensated in the same manner as TDM traffic regardless of the technology used to originate, terminate, or transport the call.
- 55.9. Choice One will identify the Percent Local Usage (PLU) factor on each interconnection order to identify its "Local Traffic," as defined herein, for reciprocal compensation purposes. CenturyLink may request Choice One's traffic study documentation of the PLU at any time to verify the factor, and may compare the documentation to studies developed by CenturyLink. Should the documentation indicate that the factor should be changed by CenturyLink; the Parties agree that any changes will be retroactive to traffic covered by the traffic study. Should the documentation indicate it is warranted such change in the factor may be back to the effective date of the Agreement. For non-local traffic, the Parties agree to exchange traffic and compensate one another based on the rates and elements included in each party's access tariffs. Both parties will transmit calling party number (CPN) as required by FCC rules (47 CFR 64.1601).
- 55.9.1. To the extent technically feasible, each Party will transmit calling party number (CPN) for each call being terminated on the other's network. Calls transmitted without CPN will be billed as local or intrastate in proportion to the MOUs of calls exchanged with CPN.
- 55.10. Each Party shall take steps to ensure that all traffic that it delivers to the receiving Party include a call record, and that such call records are transmitted intact to the receiving Party. Neither Party shall: (i) remove call records, (ii) alter or replace call records, (iii) alter or replace jurisdictional information or (iv) insert or add any call record information except as specifically allowed by industry guidelines or as mutually agreed to by the Parties. Using reasonable efforts and to the extent technically feasible, each Party also shall undertake steps to ensure that any service provider who hands off traffic for delivery to the other Party does not: (i) remove call records, (ii) alter or replace call records, (iii) alter or replace jurisdictional information or (iv) insert or add any call record information except as specifically allowed by industry guidelines or as mutually agreed to by the Parties. Neither Party shall knowingly and intentionally (a) strip or alter call records to disguise the jurisdiction of the a call or (b) permit third parties to do so for traffic the Party delivers to the other Party.
- 55.11. Either Party may request an audit of the traffic types exchanged between the Parties. Each Party will provide upon request traffic study documentation of traffic being delivered to the other Party. Audit periods may include the period beginning with the month after the last audit or the Effective Date of the Agreement through, and including, the month prior to the audit request. Traffic study documentation can include records produced either from CenturyLink or Choice One internal recording and monitoring systems or from third party vendors that record intercarrier traffic SS7 call records. These audit rights are in addition to the audit rights in Part A of this Agreement.

56. SIGNALING NETWORK INTERCONNECTION

- 56.1. CenturyLink will offer interconnection to its signaling transfer points (STPs) for Choice One switches which connect to CenturyLink's STPs via "A" links or for Choice One's "B" or "D" links which are dedicated to the transport of signaling for local interconnection. CenturyLink's signaling service will be charged at tariff rates.
- 56.2. Signaling protocol. The parties will interconnect their networks using SS7 signaling where technically feasible and available as defined in FR 905 Telcordia Standards including ISDN User Part (ISUP) for trunk signaling and TCAP for CCS-based features in the interconnection of their networks. All Network Operations Forum (NOF) adopted standards shall be adhered to.
- 56.3. Standard interconnection facilities shall be Extended Superframe (ESF) with B8ZS line code. Where ESF/B8ZS is not available, Choice One will use other interconnection protocols on an interim basis until the standard ESF/B8ZS is available. CenturyLink will provide anticipated dates of availability for those areas not currently ESF/B8ZS compatible.
- 56.4. Where Choice One is unwilling to utilize an alternate interconnection protocol, Choice One will provide CenturyLink an initial forecast of 64 Kbps clear channel capability ("64K CCC") trunk quantities within thirty (30) Days of the Effective Date consistent with the forecasting agreements between the parties. Upon receipt of this forecast, the parties will begin joint planning for the engineering, procurement, and installation of the segregated 64K CCC Local Interconnection Trunk Groups, and the associated ESF facilities, for the sole purpose of transmitting 64K CCC data calls between Choice One and CenturyLink. Where additional equipment is required, such equipment would be obtained, engineered, and installed on the same basis and with the same intervals as any similar growth job for IXC, Choice One, or CenturyLink internal customer demand for 64K CCC trunks.
- 56.5. Signaling Systems
 - 56.5.1. Signaling Link Transport
 - (a) Signaling Link Transport is a set of two or four dedicated 56 Kbps transmission paths between Choice One-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity and a cross connect at a CenturyLink STP site.
 - (b) Technical Requirements. Signaling Link transport shall consist of full duplex mode 56 Kbps transmission paths.
 - 56.5.2. Signaling Transfer Points (STPs). STPs provide functionality that enables the exchange of SS7 messages among and between switching elements, databases and third party signaling transfer points.
- 56.6. Technical Requirements. STPs provide interconnection to the functions of signaling networks or to third party SS7 networks connected to the CenturyLink SS7 network. These functions include:
 - 56.6.1. CenturyLink local switching or Tandem Switching;
 - 56.6.2. CenturyLink Service Control Points (SCPs)/Databases if arranged for under separate agreements;
 - 56.6.3. Third-party local or Tandem Switching systems subject to any additional conditions or terms of the Third Party and
 - 56.6.4. Third party provider STPs subject to any additional conditions or terms of the Third Party.

- 56.7. Interface Requirements. CenturyLink shall provide the following STP options to connect Choice One or Choice One-designated local switching systems or STPs to the CenturyLink SS7 network:
- 56.7.1. An A-link interface from Choice One local switching systems; and
 - 56.7.2. B- or D-link interface from Choice One STPs.
 - 56.7.3. Each type of interface shall be provided by one or more sets (layers) of signaling links, as follows:
 - (a) An A-link layer shall consist of two (2) links,
 - (b) A B- or D-link layer shall consist of four (4) links,
- 56.8. Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the CenturyLink STP is located. Interface to CenturyLink's STP shall be the 56kb rate. The 56kb rate can be part of a larger facility, and Choice One shall pay multiplexing/demultiplexing and channel termination, plus mileage of any leased facility.

57. **TRUNK FORECASTING**

- 57.1. Choice One shall provide forecasts for traffic utilization over trunk groups. Orders for trunks that exceed forecasted quantities for forecasted locations will be accommodated as facilities and/or equipment are available. CenturyLink shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate orders when facilities are not available. Company forecast information must be provided by Choice One to CenturyLink twice a year. The initial trunk forecast meeting should take place soon after the first implementation meeting. A forecast should be provided at or prior to the first implementation meeting. The semi-annual forecasts shall project trunk gain/loss on a monthly basis for the forecast period, and shall include:
- 57.2. Semi-annual forecasted trunk quantities (which include baseline data that reflect actual Tandem and end office Local Interconnection and meet point trunks and Tandem-subtending Local Interconnection end office equivalent trunk requirements) for no more than two years (current plus one year);
- 57.3. The use of Common Language Location Identifier (CLLI-MSG), which are described in Telcordia documents BR 795-100-100 and BR 795-400-100;
- 57.4. Description of major network projects that affect the other Party will be provided in the semi-annual forecasts. Major network projects include but are not limited to trunking or network rearrangements, shifts in anticipated traffic patterns, or other activities by Choice One that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.
- 57.4.1. Parties shall meet to review and reconcile the forecasts if forecasts vary significantly.
- 57.5. Choice One shall provide an updated trunk forecast when ordering or requesting additional trunks from CenturyLink anytime after the initial trunk implementation.
- 57.6. Each Party shall provide a specified point of contact for planning forecasting and trunk servicing purposes.
- 57.7. Trunking can be established to Tandems or end offices or a combination of both via either one-way or two-way trunks. Trunking will be at the DSO, DS1, DS3/OC3 level, or higher, as agreed upon by Choice One and CenturyLink.
- 57.8. The parties agree to abide by the following if a forecast cannot be agreed to: local interconnection trunk groups will be provisioned to the higher forecast. A blocking standard of one percent (1%) during the average busy hour shall be maintained. Should

the Parties not agree upon the forecast, and the Parties engineer facilities at the higher forecast, the Parties agree to abide by the following:

- 57.8.1. In the event that Choice One over-forecasts its trunking requirements by twenty percent (20%) or more, and CenturyLink acts upon this forecast to its detriment, CenturyLink may recoup any actual and reasonable expense it incurs.
 - 57.8.2. The calculation of the twenty percent (20%) over-forecast will be based on the number of DS1 equivalents for the total traffic volume to CenturyLink.
 - 57.8.3. Expenses will only be recouped for non-recoverable facilities that cannot otherwise be used at any time within twelve (12) months after the initial installation for another purpose including but not limited to: other traffic growth between the Parties, internal use, or use with another party.
- 57.9. Grade of Service. An overall blocking standard of one percent (1%) during the average busy hour, as defined by each Party's standards, for final trunk groups between a Choice One end office and a CenturyLink access Tandem carrying meet point traffic shall be maintained. All other Tandem trunk groups are to be engineered with a blocking standard of one percent (1%). Direct end office trunk groups are to be engineered with a blocking standard of one percent (1%).
- 57.10. Trunk Servicing. Orders between the Parties to establish, add, change or disconnect trunks shall be processed by use of an ASR, RASR or other industry standard format as specified by CenturyLink for trunk ordering.

58. NETWORK MANAGEMENT

- 58.1. Protective Protocols. Either Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps on traffic toward each other's network, when required to protect the public switched network from congestion due to facility failures, switch congestion or failure or focused overload. Choice One and CenturyLink will immediately notify each other of any protective control action planned or executed.
- 58.2. Expansive Protocols. Where the capability exists, originating or terminating traffic reroutes may be implemented by either party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes will not be used to circumvent normal trunk servicing. Expansive controls will only be used when mutually agreed to by the parties.
- 58.3. Mass Calling. Choice One and CenturyLink shall cooperate and share pre-planning information, where available, regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes, to prevent or mitigate the impact of these events on the public switched network.

59. INDIRECT TRAFFIC

- 59.1. Exchange Of Indirect Traffic
- 59.1.1. The exchange of Indirect Traffic (as defined below) between the Parties shall be subject to the terms, provisions and requirements of this Agreement. For purposes of this Agreement, "Indirect Traffic" means traffic which is originated by one Party and terminated to the other Party in which a third Party Telecommunications Carrier provides the intermediary transiting service.
 - 59.1.2. For purposes of exchanging Indirect Traffic there is no physical or direct point of interconnection or physical direct trunk groups between the Parties, therefore neither Party is required to construct new facilities or make mid-span meet arrangements available to the other Party for such Indirect Traffic.

- 59.1.3. Choice One must interconnect at the tandem switch which CenturyLink's end office subtends in order to exchange Indirect Traffic with that CenturyLink end office.
- 59.1.4. Notwithstanding any other provision to the contrary, once the volume of Indirect Traffic exchanged between the Parties at a CenturyLink end office exceeds a DS1 equivalent of traffic, Choice One must establish a direct interconnection with that CenturyLink end office for the mutual exchange of traffic. Within sixty (60) days of when the indirect traffic exceeds a DS1, Choice One shall use reasonable efforts to establish a direct interconnection with CenturyLink's end office
- 59.1.5. Each Party acknowledges that it is the originating Party's responsibility to enter into transiting arrangements with the third party providing the transit services.
- 59.1.6. Each terminating Party is responsible for billing the originating company for traffic terminated on its respective network.
- 59.1.7. For Indirect Traffic, the originating Party will provide the originating billing information to the terminating Party, if technically feasible. If the originating Party cannot provide the originating billing information to the terminating Party, then the terminating Party must obtain the originating billing information from the third-party transit provider. It is each Party's responsibility to enter into appropriate contractual arrangements with the third-party transit company in order to obtain the originating billing information from the transit company. Any direct costs incurred by the terminating Party to obtain the records from a third party will be billed back to the originating Party.
- 59.2. Compensation for Indirect Traffic
 - 59.2.1. Until the volume of Indirect Traffic exchanged between the Parties at a CenturyLink end office exceeds a DS1, each Party is responsible for the payment of transit charges for its originating traffic assessed by the transiting party. After Indirect traffic exceeds a DS1, if Choice One has not established a direct end office trunking ninety (90) days after CenturyLink notifies Choice One in accordance with Section 21, Choice One will reimburse CenturyLink for any transit charges billed by an intermediary carrier for Local Traffic, ISP-Bound Traffic or VNXX Traffic originated by CenturyLink.
 - 59.2.2. Non-Local Indirect Traffic
 - (a) Compensation for the termination and/or origination of non-Local Traffic, and 800 traffic between the interconnecting Parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations.
 - (b) IntraLATA Toll traffic shall be subject to the parties applicable switched access rates. Where exact transport mileage is not available, an average, arrived at by mutual agreement of the Parties, will be used.
 - 59.2.3. Local Traffic and ISP-Bound Traffic. The bill and keep arrangement as set forth on Table One shall apply, in accordance with Part F of this Agreement.

60. USAGE MEASUREMENT

- 60.1. Each Party shall calculate terminating interconnection minutes of use based on standard AMA recordings made within each Party's network, these recordings being necessary for each Party to generate bills to the other Party. In the event either Party cannot measure minutes terminating on its network where technically feasible, the other Party shall provide the measuring mechanism or the Parties shall otherwise agree on an alternate arrangement.

- 60.2. Measurement of minutes of use over Local Interconnection trunk groups shall be in actual conversation seconds. The total conversation seconds over each individual Local Interconnection trunk group will be totaled for the entire monthly bill period and then rounded to the next whole minute.
- 60.3. Prior to the commencement of billing for interconnection, each Party shall provide to the other applicable PLUs for the traffic they will be terminating to each other over the Local Interconnection trunk groups.
 - 60.3.1. The Parties agree to review the accuracy of the PLU on a regular basis. If the initial PLU is determined to be inaccurate by more than twenty percent (20%), the Parties agree to implement the new PLU retroactively to the Effective Date of the contract.

61. RESPONSIBILITIES OF THE PARTIES

- 61.1. CenturyLink and Choice One will review engineering requirements consistent with the Implementation Plan described in Part B, Part C, Part F and as otherwise set forth in this Agreement.
- 61.2. Choice One and CenturyLink shall share responsibility for all Control Office functions for Local Interconnection Trunks and Trunk Groups, and both parties shall share the overall coordination, installation, and maintenance responsibilities for these trunks and trunk groups.
- 61.3. Choice One and CenturyLink shall:
 - 61.3.1. Provide trained personnel with adequate and compatible test equipment to work with each other's technicians.
 - 61.3.2. Notify each other when there is any change affecting the service requested, including the due date.
 - 61.3.3. Coordinate and schedule testing activities of their own personnel, and others as applicable, to ensure its interconnection trunks/trunk groups are installed per the interconnection order, meet agreed-upon acceptance test requirements, and are placed in service by the due date.
 - 61.3.4. Perform sectionalization to determine if a trouble is located in its facility or its portion of the interconnection trunks prior to referring the trouble to each other.
 - 61.3.5. Advise each other's Control Office if there is an equipment failure which may affect the interconnection trunks.
 - 61.3.6. Provide each other with a trouble reporting/repair contact number that is readily accessible and available twenty-four (24) hours a day, seven (7) days a week. Any changes to this contact arrangement must be immediately provided to the other party.
 - 61.3.7. Provide to each other test-line numbers and access to test lines.
 - 61.3.8. Cooperatively plan and implement coordinated repair procedures for the meet point and Local Interconnection trunks and facilities to ensure trouble reports are resolved in a timely and appropriate manner.

PART G — LOCAL NUMBER PORTABILITY

62. INTRODUCTION

- 62.1. Both Parties agree to conform and provide Local Number Portability (LNP) pursuant to FCC regulations and compliance with the Industry Forum Guidelines. To the extent consistent with the FCC and Industry Guidelines as amended from time to time, the requirements for LNP shall include the following:
- 62.2. End users must be able to change local service providers and retain the same telephone number(s) within the serving rate center utilizing the portability method as defined by the FCC.
- 62.3. The LNP network architecture shall not subject Parties to any degradation of service in any relevant measure, including transmission quality, switching and transport costs, increased call set-up time and post-dial delay.
- 62.3.1. Parties agree that when an NXX is defined as portable, it shall also be defined as portable in all LNP capable switches serving the rate center.
- 62.3.2. When an end user ports to another service provider and has previously secured a reservation of line numbers from the donor provider under contract or tariff for possible activation at some future point, these reserved but inactive numbers shall port along with the active numbers being ported by the end user.
- 62.3.3. NXX Availability. Only those NXXs that are identified in the LERG as being non-portable, or are otherwise used by CTL for testing and maintenance, are non-portable.
- 62.3.4. LERG Reassignment. Portability for an entire NXX shall be provided by utilizing reassignment of the NXX to Choice One through the applicable NANP Code Administrator.
- 62.3.5. Coordination of service order work outside normal business hours (i.e., other than 8:00 a.m. to 5:00 p.m.) shall be at requesting Party's expense. Premium rates will apply for service order work performed outside normal business hours, weekends, and holidays.
- 62.3.6. Mass Calling Events. Parties will notify each other at least seven (7) Days in advance where ported numbers are utilized. Parties will only port mass calling numbers using switch translations and a choke network for call routing. Porting on mass calling numbers will be handled outside the normal porting process and comply with any applicable federal regulatory requirements or industry guidelines developed for mass calling numbers.

63. TESTING

- 63.1. Testing and operational issues will be addressed in the implementation plans as described in Part B, Section 33 of the agreement.
- 63.2. Choice One must be NPAC certified and have met CenturyLink testing parameters prior to activating LNP. Each party shall be responsible for its own costs of testing and activating LNP between the Parties.
- 63.3. Parties will cooperate to ensure effective maintenance testing through activities such as routine testing practices, network trouble isolation processes and review of operational elements for translations, routing and network fault isolation.
- 63.4. Parties shall cooperate in testing performed to ensure interconnectivity between systems. All LNP providers shall notify each connected provider of any system updates that may affect Choice One or CenturyLink network. Each LNP provider shall, at each other's

request, jointly perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement or in the Implementation Plan.

64. ENGINEERING AND MAINTENANCE

- 64.1. Each LNP provider will monitor and perform effective maintenance through testing and the performance of proactive maintenance activities such as routine testing, development of and adherence to appropriate network trouble isolation processes and periodic review of operational elements for translations, routing and network faults.
- 64.2. It will be the responsibility of the Parties to ensure that the network is stable and maintenance and performance levels are maintained in accordance with state commission requirements. It will be the responsibility of the Parties to perform fault isolation in their network before involving other providers.
- 64.3. Additional engineering and maintenance requirements shall apply as specified in this Agreement or the Implementation Plan.

65. E911/911

- 65.1. When a subscriber ports to another service provider, the donor provider shall unlock the information in the 911/ALI database. The porting provider is responsible for updating the 911 tandem switch routing tables and 911/ALI database to correctly route, and provide accurate information to the PSAP call centers.
- 65.2. Prior to implementation of LNP, the Parties agree to develop, implement, and maintain efficient methods to maintain 911 database integrity when a subscriber ports to another service provider. The Parties agree that the customer shall not be dropped from the 911 database during the transition.

66. BILLING FOR PORTED NUMBERS

- 66.1. When an NC terminates an interLATA or IntraLATA toll call to either Party's local exchange customer whose telephone number has been ported from one Party to the other, the Parties agree that the party to whom the number has been ported shall be entitled to revenue from the IXC for those access elements it actually provides including, but not limited to end office switching, local transport, RIC, and CCL. The Party from whom the number has been ported shall be entitled to receive revenue from the IXC for those access elements it actually provides including, but not limited to any entrance facility fees, access tandem fees and appropriate local transport charges.
- 66.2. Non-Payment. LNP will be supported by both parties where technically feasible, and both parties shall port numbers for customers whose service has been suspended for non-payment. However, neither party shall be responsible for porting numbers once the customer's service has been disconnected and removed from such party's switch.

PART H — LINE SHARING

67. LINE SHARING

67.1. General Terms

- 67.1.1. Under this Agreement, CenturyLink will not provide access to the HFPL for line sharing by Choice One except pursuant to the following terms and conditions.
- 67.1.2. For HFPLs in service prior to 10/02/03, CenturyLink will continue to bill HFPL at the rate that was effective for that arrangement on 10/02/03 as long as that HFPL remains in service to the particular Choice One end user premises.
- 67.1.3. For HFPL ordered 10/02/03 to 10/01/04 and remaining in service to the particular Choice One end user premises during the period 10/01/04 and 10/01/05, the rate billed for HFPL will be fifty percent (50%) of the xDSL capable UNE Loop rate found in Table One.
- 67.1.4. For HFPL ordered 10/02/03 to 10/01/04 and remaining in service to the particular Choice One end user premises during the period 10/02/05 and 10/01/06, the rate billed for HFPL will be seventy-five percent (75%) of the xDSL capable UNE Loop rate found in Table One.
- 67.1.5. After 10/01/06, Choice One must order a stand-alone loop or negotiate a line splitting arrangement with another Telecommunications Carrier.

67.2. CenturyLink Line Sharing provided HFPL to Choice One only those instances when CenturyLink is the provider of analog circuit-switched voice band service on that same Copper Loop to the same end user.

67.3. In the event that the end user being served by Choice One via HFPL terminates its CenturyLink-provided retail voice service, or when CenturyLink provided retail voice service is disconnected due to "denial for non-pay," CenturyLink shall provide reasonable notice to Choice One prior to disconnect. Choice One shall have the option of purchasing an entire stand-alone UNE digital loop if it wishes to continue to provide advanced services to that end user. If Choice One notifies CenturyLink that it opts this option, Choice One and CenturyLink shall cooperate to transition DSL service from the HFPL to the stand-alone loop without any interruption of service pursuant to the provisions set forth below. If Choice One declines to purchase the entire stand alone UNE digital loop, CenturyLink may terminate the HFPL.

67.4. CenturyLink will use reasonable efforts to accommodate the continued use by Choice One as a stand-alone UNE digital loop of the Copper Loop facilities over which Choice One is provisioning advanced services at the time that the CenturyLink-provided retail voice service terminates; if:

- 67.4.1. adequate facilities are available to allow the provisioning of voice service over such other facilities; and
- 67.4.2. Choice One agrees to pay any additional ordering charges associated with the conversion from the provisioning of HFPL to a stand alone unbundled digital loop as specified in Table One (excluding conditioning charges).

67.5. Any additional maintenance of service conducted at Choice One's request by CenturyLink on behalf of Choice One solely for the benefit of Choice One's services will be paid for by Choice One at prices negotiated by CenturyLink and Choice One.

67.6. Deployment and Interference

- 67.6.1. In providing services utilizing the HFPL, CenturyLink shall allow Choice One to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.

- 67.6.2. For any technology, Choice One represents that its use of any CenturyLink network element, or of its own equipment or facilities in conjunction with any CenturyLink network element, will not materially interfere with or impair service over any facilities of CenturyLink, its affiliated companies or connecting and concurring carriers, cause damage to CenturyLink's plant, impair the privacy of any communications carried over CenturyLink's facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, CenturyLink may discontinue service if Choice One violates this provision. The termination of service will be limited to Choice One's use of the element(s) causing the violation. CenturyLink will not disconnect the elements causing the violation if, after receipt of written notice and opportunity to cure, Choice One demonstrates that their use of the network element is not the cause of the network harm.

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Summary: Agreement Application of United Telephone Company of Ohio d/b/a Century for Approval of Negotiated Agreement with Choice One Telecommunications of Ohio, Inc. electronically filed by Mrs. Marjorie Herlth on behalf of United Telephone Company of Ohio d/b/a CenturyLink