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August 29, 2008

electronically filed 8/29/08

Chairman Tre Hargett
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, Tennessee 37243

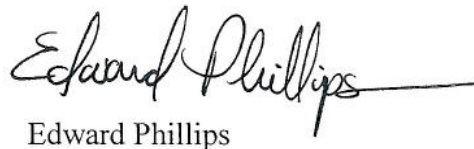
Re: Petition for Approval of Interconnection and Resale Agreement between United Telephone Southeast LLC d/b/a Embarq ("Embarq") and Telescan, Inc. ("Telescan")

Dear Chairman Hargett:

Enclosed are an original and four (4) copies of the Petition of Embarq for approval of an Interconnection and Resale Agreement between Embarq and Telescan. Telescan is adopting the 1-800-Reconex, Inc., d/b/a U.S. Tel agreement (approved in Docket No. 07-00064) also attached. Embarq has already filed this petition electronically and this letter is the required follow-up to that filing. Embarq is not aware of any provisions in this interconnection agreement that are inconsistent with any previous Authority decisions in proceedings to which United was a party.

Also enclosed is a check in the amount of \$50.00 for the filing fees for both companies. Please contact me if you have any questions.

Sincerely yours,



Edward Phillips

HEP:sm

Enclosures

cc: Telescan, Inc.
John Stallings

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BEFORE THE TENNESSEE REGULATORY AUTHORITY

NASHVILLE, TENNESSEE

In Re:	)	
	)	
Petition for Approval of an Interconnection	)	
and Resale Agreement Negotiated Between	)	Docket No. _____
United Telephone Southeast LLC d/b/a	)	
Embarq and Telescan, Inc.	)	

PETITION FOR APPROVAL OF NEGOTIATED
INTERCONNECTION AND RESALE AGREEMENT

United Telephone Southeast LLC d/b/a Embarq ("Embarq") respectfully petitions the Tennessee Regulatory Authority ("Authority") for approval of an interconnection and resale agreement dated July 14, 2008 (the "Agreement") negotiated between Embarq and Telescan, Inc. ("Telescan") under Sections 251 and 252 of the Telecommunications Act of 1996 (the "Act"). In support of its petition, Embarq states the following:

1. Embarq and Telescan have successfully negotiated the adoption of the Agreement which provides for local interconnection, collocation and resale and purchase of unbundled network elements by Telescan for the purpose of Telescan's use or resale to its end users. A copy of the 1-800-Reconex, Inc., d/b/a U.S. Tel Agreement approved by the Authority in Docket No. 07-00064 and a copy of the Disaster Recovery Plan are attached to the petition and incorporated in this document by reference.
2. Under 47 USC § 252(e) Embarq submits the Agreement to the Authority for its review and approval.

3. 47 USC § 252(e) provides that the Authority may either approve or reject the Agreement negotiated between the parties within 90 days of its submission for approval. The Act further provides that the Authority may only reject a negotiated agreement if it finds the agreement or any portion of the agreement discriminates against a telecommunications carrier that is not a party to the agreement, or that the implementation of the agreement or any portion of the agreement is inconsistent with the public interest, convenience and necessity.

4. Embarq affirms that the Agreement meets the standards for approval.

5. Further, as required by 47 USC § 252(i) and 47 CFR 51.809, Embarq will make the terms and conditions of the entire Agreement available to any other requesting carrier.

WHEREFORE, Embarq respectfully requests that the Tennessee Regulatory Authority approve the Agreement negotiated by the parties.

Respectfully submitted this 29th day of August, 2008.



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INTERCONNECTION AND RESALE AGREEMENT

This Interconnection and Resale Agreement ("Agreement"), dated July 14, 2008, is entered into by between Telescan, Inc., a Tennessee corporation ("CLEC"), and United Telephone-Southeast, Inc. d/b/a Embarq ("Embarq"), a Virginia corporation, to establish the rates, terms and conditions for local interconnection, local resale and the purchase of unbundled network elements for the state of Tennessee. (Embarq and CLEC may be referred to individually as a "Party" and collectively as the "Parties").

NOW THEREFORE, the Parties agree as follows:

1. INTERCONNECTION AND RESALE AGREEMENT

The Parties agree that the Agreement between the Parties shall consist of the Interconnection, Resale and Collocation Agreement between Embarq and 1-800-Reconex, Inc., d/b/a U.S. Tel dated February 9, 2007 (the "Adopted Agreement").

All services provided under this Agreement will be consistent with the decisions of courts having jurisdiction over this Agreement, including but not limited to the decisions of the Court of Appeals and the United States Supreme Court.

2. PARTIES:

CLEC is hereby substituted in the Adopted Agreement for 1-800-Reconex, Inc., d/b/a U.S. Tel and Embarq shall remain as the other Party to the Adopted Agreement. Except as modified herein, the Agreement shall in all other respects reflect the same terms as the Adopted Agreement.

3. TERM:

This termination date of the Agreement is February 8, 2009, which corresponds with the expiration date of the Adopted Agreement.

4. NOTICES:

Except as otherwise provided, all notices and 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 paid, return receipt requested and addressed as follows:

To CLEC :	Stan W. Mosley
	Telescan, Inc.
	PO Box 4747
	Johnson City, TN 37602

To Embark: Director – Local Carrier Markets
Embarq
9300 Metcalf
Mailstop: KSOPKB040
Overland Park, KS 66212

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly respective authorized representatives.

CLEC

EMBARQ

By: 

By: 

Name: Stan W. Mosely

Name: Michael R. Hunsucker

Title: President

Title: Director – Contract Management

Date: 7-11-08

Date: 7-14-08



**INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT
FOR THE STATE OF TENNESSEE**

1-800-Reconex, Inc., d/b/a U.S. Tel

And

United Telephone-Southeast, Inc. d/b/a Embarq

Effective: February 9, 2007

Expires: February 8, 2009

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INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT

This Interconnection, Collocation and Resale Agreement (the "Agreement"), dated this 9th day of February, 2007, is entered into by and between 1-800-Reconex, Inc., d/b/a U.S. Tel ("CLEC") and United Telephone Company - Southeast, Inc. d/b/a Embarq ("Embarq") 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 CLEC's use in the provision of exchange access ("Local Interconnection"); and

WHEREAS, CLEC wishes to purchase Telecommunications Services for resale to others, and Embarq is willing to provide these services; and

WHEREAS, CLEC wishes to purchase unbundled Network Elements, ancillary services and functions and additional features ("Network Elements") for the provision of Telecommunications Services to others, and Embarq 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 Tennessee.

Now, therefore, in consideration of the terms and conditions contained in this Agreement, CLEC and Embarq hereby mutually agree as follows:

PART A - DEFINITIONS

1. DEFINED TERMS

- 1.1. Capitalized terms defined in this Section will 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. Any terms which are not defined or ascribed as stated above will 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 and private line transport services.
- 1.4. **“Act”** means the Communications Act of 1934, as amended.
- 1.5. **“Affiliate”** is as defined in the Act.
- 1.6. **“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.
- 1.7. **“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.
- 1.8. **“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.
- 1.9. **“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.
- 1.10. **“Automatic Number Identification” (“ANI”)** is a feature that identifies and displays the number of a telephone line that originates a call.
- 1.11. **“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.
- 1.12. **“ATU - C”** refers to an ADSL Transmission Unit - Central Office.
- 1.13. **“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.
- 1.14. **“Business Day(s)”** means the days of the week excluding Saturdays, Sundays, and all Embarq holidays.
- 1.15. **“Business Line”** is an Embarq-owned switched access line used to serve a business customer, whether by Embarq or by a competitive LEC that leases the line from Embarq. The number of

Business Lines in a Wire Center equals the sum of all Embarq 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) include only those access lines connecting end-user customers with Embarq end-offices for switched services, (2) do not include non-switched special access lines, and (3) account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to 24 64 kbps-equivalents, and therefore to 24 "Business Lines."

- 1.16. **"Cable Vault"** means a location in Premises where facilities enter the Premises from the Outside Cable Duct and access the Inner Duct for distribution within the Premises.
- 1.17. **"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. Embarq's carrier access billing system is its Carrier Access Support System (CASS). CASS mirrors the requirements of CABS.
- 1.18. **"Central Office Building" or "Building"** means a structure (not including a controlled environment vault ("CEV")) housing Embarq network equipment that is under the control of Embarq and for which Embarq has the right to grant access and/or occupation by third parties.
- 1.19. **"Central Office Switches"** - are switching facilities within the public switched telecommunications network, including, but not limited to:
 - 1.19.1. **"End Office Switches" ("EOs")** are switches from which end user Telephone Exchange Services are directly connected and offered.
 - 1.19.2. **"Tandem Switches"** are switches that are used to connect and switch trunk circuits between and among Central Office Switches.
 - 1.19.3. **"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.
- 1.20. **"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.
- 1.21. **"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.
- 1.22. **"Collocation Arrangement"** refers to a single, specific provision of collocation in a particular Premises, not limited to a cage enclosing CLEC's equipment within the Premises.
- 1.23. **"Collocation Space"** means an area of space located in a building to be used by CLEC to house telecommunications equipment that is necessary for interconnection or access to UNEs. Additionally, roof or wall space used for wireless interconnection will be included in the definition where applicable.
- 1.24. **"Commingle"** means the act of Commingling.
- 1.25. **"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 CLEC has obtained at wholesale from Embarq or the combining of an unbundled Network Element, or a combination of unbundled Network Elements with one or more such facilities or services.

- 1.26. **“Commission”** means the Tennessee Regulatory Authority.
- 1.27. **“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.
- 1.28. **“Common Transport”** provides a local interoffice transmission path between End Office Switches, between End Office Switches and Tandem Switches and between Tandem Switches in Embarq’s network. Common Transport is shared between multiple customers and is required to be switched at the Tandem Switch.
- 1.29. **“Confidential and/or Proprietary Information”** has the meaning set forth in Section 15.
- 1.30. **“Controlled Environment Vault” (“CEV”)** means a below ground room other than a Central Office Building which is controlled by Embarq and which is suitable for collocation of telecommunications equipment under controlled temperature and humidity.
- 1.31. **“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.
- 1.32. **“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.*, DS0s 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.
- 1.33. **“Customer Proprietary Network Information” (“CPNI”)** is as defined in the Act.
- 1.34. **“Database Management System” (“DBMS”)** is a computer process used to store, sort, manipulate and update the data required to provide Selective Routing and ALI.
- 1.35. **“Day”** means calendar days unless otherwise specified.
- 1.36. **“Dedicated Transport”** includes Embarq transmission facilities between Wire Centers or Switches owned by Embarq, or between Wire Centers or Switches owned by Embarq and Switches owned by CLEC, including, but not limited to, DS1-, DS3-, and OCN-capacity level services, as well as dark fiber, dedicated to a particular customer or carrier.
- 1.37. **“Demarcation Point”** is that point on the facility where Embarq’s control of the facility ceases, and the End User Customer’s control of the facility begins.
- 1.38. **“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.
- 1.39. **“Directory Assistance Database”** refers to any subscriber record used by Embarq in its provision of live or automated operator-assisted directory assistance including but not limited to 411, 555-1212, NPA-555-1212.
- 1.40. **“Directory Assistance Services”** provides listings to callers. Directory Assistance Services may include the option to complete the call at the caller’s direction.
- 1.41. **“DS1 Loop”** is a digital Local Loop having a total digital signal speed of 1.544 megabytes per second. 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.
- 1.42. **“DS3 Loop”** is a digital Local Loop having a total digital signal speed of 44.736 megabytes per second.

- 1.43. **“DSLAM”** refers to a Digital Subscriber Line Access Multiplexer.
- 1.44. **“Duct”** is a single enclosed path to house facilities to provide Telecommunications Services.
- 1.45. **“Effective Date”** is the date referenced in the opening paragraph on page 1 of the Agreement, unless otherwise required by the Commission.
- 1.46. **“Electronic Interface”** means access to operations support systems consisting of preordering, ordering, provisioning, maintenance and repair and billing functions.
- 1.47. **“Emergency Response Agency”** is a governmental entity authorized to respond to requests from the public to meet emergencies.
- 1.48. **“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.
- 1.49. **“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 Embarq Network.
- 1.50. **“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).
- 1.51. **“End Date”** is the date this Agreement terminates as referenced in 5.1.
- 1.52. **“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.
- 1.53. **“FCC”** means the Federal Communications Commission.
- 1.54. **“Fiber-based Collocator”** means any carrier, unaffiliated with Embarq, that maintains a Collocation Arrangement in Embarq’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 Embarq’s Wire Center premises; and (3) is owned by a party other than Embarq or any affiliate of Embarq, except as set forth in this definition. Dark fiber obtained from Embarq on an indefeasible right of use basis will be treated as non-Embarq fiber-optic cable. Two or more Affiliated Fiber-based Collocators in a single Wire Center will collectively be counted as a single Fiber-based Collocator. For purposes of this definition, the term Affiliate is defined by 47 U.S.C. § 153(1) and any relevant interpretation in the Act.
- 1.55. **“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 500 feet from the customer’s premises or, in the case of predominantly residential MDUs, not more than 500 feet from the MDU’s 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 500 feet from the respective customer’s premises.
- 1.56. **“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 multiple dwelling units (“MDUs”), a fiber optic cable, whether dark or lit, that extends to the multiunit premises’ minimum point of entry (“MPOE”).
- 1.57. **“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.

- 1.58. **“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.
- 1.59. **“Incumbent Local Exchange Carrier” (“ILEC”)** is as defined in the Act.
- 1.60. **“Information Services”** are as defined in 47 CFR 51.5.
- 1.61. **“Interexchange Carrier” (“IXC”)** means a provider of interexchange Telecommunications Services.
- 1.62. **“Interexchange Service”** means- telecommunications service between stations in different exchange areas.
- 1.63. **“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 F.C.C. Rcd. 9151 (2001).
- 1.64. **“Inner Duct”** or “Conduit” means any passage or opening in, on, under, over or through the Embarq Central Office Building cable or conduit systems.
- 1.65. **“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 Embarq and other entities and validation for collect and billed-to-third services.
- 1.66. **“Live Load Capacity”** as it relates to a CLEC's Collocation Space refers to the structural strength of the floor to support the weight of CLEC's property and equipment installed in the collocated space.
- 1.67. **“Local Loop”** refers to a transmission facility between the main distribution frame [cross-connect], or its equivalent, in an Embarq Central Office or wire center, and up to the demarcation point (e.g. Network Interface Device) at a customer's premises, to which CLEC 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.
- 1.68. **“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.
- 1.69. **“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.
- 1.70. **“Local Traffic”** means traffic (excluding Commercial Mobile Radio Service “CMRS” traffic) that is originated and terminated within Embarq'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 Embarq Tariffs. For this purpose, Local Traffic does not include any ISP-Bound Traffic.
- 1.71. **“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.
- 1.72. **“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.

- 1.73. **“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.
- 1.74. **“National Emergency Number Association” (“NENA”)** is an association with a mission to foster the technological advancement, availability and implementation of 911 nationwide.
- 1.75. **“Network Element”** is as defined in the Act.
- 1.76. **“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.
- 1.77. **“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.
- 1.78. **“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.
- 1.79. **“OBF”** means the Ordering and Billing Forum, which functions under the auspices of the CLC of the Alliance for Telecommunications Industry Solutions (ATIS).
- 1.80. **“Operator Services”** provides for:
 - 1.80.1. operator handling for call completion (e.g., collect calls);
 - 1.80.2. operator or automated assistance for billing after the subscriber has dialed the called number (e.g., credit card calls); and
 - 1.80.3. special services (e.g., BLV/BLI, Emergency Agency Call).
- 1.81. **“Outside Cable Duct”** means any space located outside the Central Office Building and owned by or under the control of Embarq through which Embarq runs its cable, conduit or other associated facilities.
- 1.82. **“Parity”** means, subject to the availability, development and implementation of necessary industry standard Electronic Interfaces, the provision by Embarq of services, Network Elements, functionality or telephone numbering resources under this Agreement to CLEC, including provisioning and repair, at least equal in quality to those offered to Embarq, its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources. Until the implementation of necessary Electronic Interfaces, Embarq will provide such services, Network Elements, functionality or telephone numbering resources on a non-

discriminatory basis to CLEC as it provides to its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources.

- 1.83. **“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.
- 1.84. **“Parties”** means, jointly, Embarq and CLEC, and no other entity, Affiliate, subsidiary or assign.
- 1.85. **“Party”** means either Embarq or CLEC, and no other entity, Affiliate, subsidiary or assign.
- 1.86. **“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.
- 1.87. **“Physical Collocation”** is as defined in 47 CFR 51.5.
- 1.88. **“Point of Interconnection” (“POI”)** is the physical point that establishes the technical interface, the test point, and the operational responsibility hand-off between CLEC and Embarq for the local interconnection of their networks. The POI also establishes the demarcation point to delineate each Party’s financial obligations for facility costs.
- 1.89. **“Premises”** is as defined in 47 C.F.R. 51.5.
- 1.90. **“Pre-Order Loop Qualification” (“Loop Qualification”)** is an OSS function that includes supplying loop qualification information to CLECs as part of the Pre-ordering Process. Examples of the type of information provided are:
 - 1.90.1. Composition of the loop material, i.e. fiber optics, copper;
 - 1.90.2. Existence, location and type of any electronic or other equipment on the loop, including but not limited to:
 - 1.90.2.1. Digital Loop Carrier (“DLC”) or other remote concentration devices;
 - 1.90.2.2. Feeder/distribution interfaces;
 - 1.90.2.3. Bridge taps;
 - 1.90.2.4. Load coils;
 - 1.90.2.5. Pair gain devices; or
 - 1.90.2.6. Disturbers in the same or adjacent binders.
 - 1.90.3. 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;
 - 1.90.4. Wire gauge or gauges; and
 - 1.90.5. Electrical parameters.
- 1.91. **“Proprietary Information”** See “Confidential and/or Proprietary Information”.
- 1.92. **“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 Embarq or CLEC 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 Embarq or CLEC 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.

- 1.93. **“Routing Point”** means a location which Embarq or CLEC has designated on its own network as the homing (routing) point for traffic inbound to basic exchange Services provided by Embarq or CLEC which bear a certain NPA-NXX designation. The Routing Point is employed to calculate mileage measurements for the distance-sensitive transport element charges of Switched Access Services. Pursuant to Telcordia Practice BR 795-100-100, the Routing Point may be an “End Office” location, or a “LEC Consortium Point of Interconnection.” Pursuant to that same Telcordia Practice, examples of the latter will be designated by a common language location identifier (CLLI) code with (x)MD or X(x) in positions 9, 10, 11, where (x) may be any alphanumeric A-Z or 0-9. The above referenced Telcordia document refers to the Routing Point as the Rating Point. The Rating Point/Routing Point need not be the same as the Rate Center Point, nor must it be located within the Rate Center Area, but must be in the same LATA as the NPA-NXX.
- 1.94. **“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.
- 1.95. **“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.
- 1.96. **“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. A STP transmits, receives and processes CCIS messages.
- 1.97. **“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 Embarq.
- 1.98. **“Switch”** See **“Central Office Switches”**
- 1.99. **“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).
- 1.100. **“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.
- 1.101. **“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.
- 1.102. **“Technically Feasible”** refers solely to technical or operational concerns, rather than economic, space, or site considerations.
- 1.103. **“Tier 1”** Wire Centers are those Embarq Wire Centers that contain at least four Fiber-based Collocators, at least 38,000 Business Lines, or both. Tier 1 Wire Centers also are those Embarq tandem switching locations that have no line-side switching facilities, but nevertheless serve as a

point of traffic aggregation accessible by competitive LECs. 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.

- 1.104. “**Tier 2**” Wire Centers are those Embarq Wire Centers that are not Tier 1 Wire Centers but contain at least 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.
- 1.105. “**Tier 3**” Wire Centers are those Embarq Wire Centers that are not Tier 1 or Tier 2 Wire Centers.
- 1.106. “**Telecommunications**” is as defined in the Act.
- 1.107. “**Telecommunications Carrier**” is as defined in the Act.
- 1.108. “**Telecommunications Service**” is as defined in the Act.
- 1.109. “**Transit Service**” means the delivery of Transit Traffic.
- 1.110. “**Transit Traffic**” means Local Traffic or ISP-Bound Traffic that originated on CLEC’s network, transited through Embarq’s network, and terminated to a third party Telecommunications Carrier’s network or that is originated on a third party Telecommunications Carrier’s network, transited through Embarq, and terminated to CLEC’s network.
- 1.111. “**Virtual Collocation**” is as defined in 47 C.F.R. 51.5.
- 1.112. “**Wholesale Service**” means Telecommunication Services that Embarq provides at retail to subscribers who are not Telecommunications Carriers as set forth in 47 USC § 251(c)(4) which Embarq provides to resellers at a wholesale rate.
- 1.113. “**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.
- 1.114. “**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 any, tables 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. Certain terms used in this Agreement have the meanings defined in this Agreement. Other terms used but not defined in this Agreement will have the meanings ascribed to them in the Act, in the FCC's, and in the Commission's Rules and Regulations. The various Parts of this Agreement may also 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. Embarq will provide notice of network changes and upgrades in accordance with §§ 51.325 through 51.335 of Title 47 of the Code of Federal Regulations. Embarq may discontinue any interconnection arrangement, Telecommunications Service, or Network Element provided or required hereunder due to network changes or upgrades after providing CLEC notice as required by this Section. Embarq agrees to cooperate with CLEC 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. Embarq and CLEC will 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 will 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 will 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 will control. Any rates, terms or conditions thus developed or modified will be substituted in place of those previously in effect and will be effective under this Agreement as of the effective date established by the Amended Rules, whether such action was commenced before or after the Effective Date of this Agreement. In the event that the Parties are 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 will be brought into conformity with the then current obligations under the Act as determined by the Amended Rules. Embarq may charge rates to CLEC 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, Embarq determines that it is not required to furnish any service, facility, arrangement, or benefit required to be furnished or provided to CLEC under this Agreement, then Embarq 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 CLEC. Immediately upon provision of such written notice to CLEC, CLEC will be prohibited from ordering and Embarq will not provide new Discontinued Arrangements.
- 4.5. If either Party enters into an agreement ("the Other Agreement") approved by the Commission pursuant to section 252 of the Act which provides for provision of an interconnection arrangement, service, or network element covered in this Agreement to another requesting Telecommunications carrier, including itself or its affiliate, such Party shall make available to the other Party such interconnection, service, or network element upon the same terms and conditions as those provided in the Other Agreement pursuant to section 252(i) of the Act.

5. TERM AND TERMINATION

- 5.1. This Agreement shall be deemed effective upon the Effective Date, provided however that if CLEC has any outstanding past due obligations to Embarq, this Agreement will not be effective until such time as any past due obligations with Embarq are paid in full. No order or request for services under this Agreement shall be processed before the Effective Date and approval of this agreement by the Tennessee Regulatory Authority.
- 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. Embarq may terminate this Agreement upon ten (10) Days notice if CLEC is not exchanging traffic with Embarq or has not submitted orders pursuant to this Agreement within one-hundred-eighty (180) Days of the Effective Date. In addition, Embarq reserves the right to terminate this Agreement immediately upon notice from the CLEC that it has ceased doing business in this state. In addition to notice from CLEC, Embarq may utilize any publicly available information in concluding that CLEC is no longer doing business in this state, and immediately terminate this Agreement.
- 5.4. Termination of this Agreement for any cause will 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, if Embarq sells or trades substantially all the assets in an exchange or group of exchanges that Embarq uses to provide Telecommunications Services, then Embarq may terminate this Agreement in whole or in part as to that particular exchange or group of exchanges upon sixty (60) Days prior written notice.

6. POST EXPIRATION INTERIM SERVICE ARRANGEMENTS

- 6.1. No later than one-hundred sixty (160) Days prior to the End Date, CLEC will provide Embarq notice to commence negotiations pursuant to § 251 and § 252 of the Act for terms, conditions and rates for a successor agreement to be effective on or before the End Date.

- 6.2. In the event that this Agreement expires under Section 5.1, and at the time of expiration, the Parties are negotiating under Section 252(a) of the Act, then at the request of either Party, the Parties shall provide each other interconnection services after the End Date under the same terms as the expired Agreement. Service under these terms will continue in effect only until the earlier to occur of (i) one year from the End Date, or (ii) the issuance of an order, whether a final non-appealable order or not, by the Commission or FCC, approving an agreement resulting from the resolution of the issues set forth in such arbitration request.

7. CHARGES AND PAYMENT

- 7.1. In consideration of the services provided by Embarq under this Agreement, CLEC shall pay the charges set forth in Part C subject to the provisions of Section 4 hereof. The billing and payment procedures for charges incurred by CLEC under this Agreement are set forth in Part I.
- 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. In the event invoices not paid when due, late payment charges will be assessed under Section 7.4. If the payment due date is a Saturday, Sunday or a designated bank holiday, payment shall be made the next Business Day.
- 7.2.1. If an invoice is not paid within thirty-five (35) Days after the bill date, Embarq will suspend processing new orders and cancel any pending orders.
- 7.2.2. If the account remains delinquent sixty (60) Days after the bill date, Embarq will terminate all services under this Agreement.
- 7.3. Billed amounts for which written, itemized disputes or claims have been filed are not due for payment until such disputes or claims have been resolved in accordance with the provisions governing dispute resolution of this Agreement. Itemized, written disputes must be submitted on the dispute form to the National Dispute Center, or appropriate equivalent center no later than the due date of the related invoice. A copy of the dispute must be sent with the remittance of the remainder of the invoice.
- 7.4. Embarq will assess late payment charges to CLEC until the amount due is paid in full. Such late payment charges will be calculated using a rate equal to the lesser of
- 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 the customer actually makes the payment to Embarq, 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 CLEC actually makes the payment to Embarq.
- 7.5. Embarq reserves the right to secure the account with a suitable form of security deposit in accordance with Section 37.

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" means 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 will 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 will 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" means 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. CLEC acknowledges that its right under this Agreement for Local Interconnection with Embarq's network and to unbundled and/or combine Embarq's Network Elements may be subject to or limited by intellectual property rights and contract rights of third parties. Embarq agrees to use its best efforts to obtain for CLEC, third party intellectual property rights, under commercially reasonable terms, to each unbundled Network Element necessary for CLEC to use such unbundled Network Element in the same manner as Embarq.

- 9.3. Embarq shall have no obligations to attempt to obtain for CLEC any third party intellectual property right(s) that would permit CLEC to use any unbundled Network Element in a different manner than used by Embarq.
- 9.4. To the extent not prohibited by a contract with the vendor of the Network Element sought by CLEC that contains intellectual property licenses, Embarq shall reveal to CLEC the name of the vendor, the intellectual property rights licensed to Embarq under the vendor contract and the terms of the contract (excluding cost terms). Embarq shall, at CLEC's request, contact the vendor to attempt to obtain permission to reveal additional contract details to CLEC.
- 9.5. All costs associated with the extension of third party intellectual property rights to CLEC 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 CLEC using that unbundled Network Element including Embarq.
- 9.6. Embarq hereby conveys no licenses to use such third party intellectual property rights and makes no warranties, express or implied, concerning CLEC'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 CLEC'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 Embarq 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 willful misconduct.
- 10.2. Notwithstanding the foregoing, in no event shall Embarq's liability to CLEC 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. EMBARQ SHALL BE LIABLE FOR DAMAGE TO OR DESTRUCTION OF CLEC'S EQUIPMENT AND OTHER PREMISES ONLY IF SUCH DAMAGE OR DESTRUCTION IS CAUSED BY EMBARQ'S SOLE 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. CLEC shall indemnify and hold harmless Embarq from all claims by CLEC's subscribers.
- 11.3. Embarq shall indemnify and hold harmless CLEC from all claims by Embarq'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 CLECs 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
- 11.8.1. 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
- 11.8.2. Consequential Damages (as defined in Section 10 above).
- 11.9. If CLEC has physical collocations under this Agreement, CLEC shall also indemnify and hold Embarq harmless from any and all claims arising from:
- 11.9.1. CLEC's use of the Collocation Space;
- 11.9.2. the conduct of CLEC's business or from any activity, work or things done, permitted or suffered by CLEC in or about the Collocation Space or elsewhere;
- 11.9.3. any and all claims arising from any breach or default in the performance of any obligation on CLEC's part to be performed under the terms of this Agreement; and
- 11.9.4. any negligence of the CLEC, or any of CLEC'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 Embarq by reason of any such claim, CLEC, upon notice from Embarq, shall defend same at CLEC's expense employing counsel satisfactory to Embarq.
- 11.10. CLEC shall at all times indemnify, defend, save and hold harmless Embarq from any claims, liens, demands, charges, encumbrances, litigation and judgments arising directly or indirectly out of any use, occupancy or activity of CLEC, or out of any work performed, material furnished, or obligations incurred by CLEC in, upon or otherwise in connection with the Collocation Space. CLEC shall give Embarq written notice at least ten (10) Business Days prior to the commencement of any such work on the Collocation Space in order to afford Embarq the opportunity of filing appropriate notices of non-responsibility. However, failure by Embarq to give notice does not reduce CLEC'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, CLEC shall give Embarq written notice thereof as soon as CLEC obtains such knowledge.
- 11.12. CLEC 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 Embarq, at the cost and for the account of CLEC, from obtaining such discharge and release if CLEC fails or refuses to do the same within the thirty-day period.
- 11.13. If CLEC has first discharged the lien as provided by law, CLEC may, at CLEC's expense, contest any mechanic's lien in any manner permitted by law.

12. INSURANCE

- 12.1. During the term of this Agreement, CLEC 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 Embarq 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 Embarq 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 Embarq as additional insured; and
- 12.6. "All Risk" property insurance on a full replacement cost basis insuring CLEC's property situated on or within the Property, naming Embarq as loss payee. CLEC may elect to insure business interruption and contingent business interruption, as it is agreed that Embarq has no liability for loss of profit or revenues in the event of an interruption of service.
- 12.7. Nothing contained in this Section shall limit CLEC's liability to Embarq to the limits of insurance certified or carried.
- 12.8. All policies required of the CLEC shall contain evidence of the insurer's waiver of the right of subrogation against Embarq 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 Embarq may carry.
- 12.9. CLEC shall furnish to Embarq a certificate or certificates of insurance, satisfactory in form and content to Embarq, 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 Embarq.

13. BRANDING

- 13.1. CLEC shall provide the exclusive interface to CLEC subscribers, except as CLEC shall otherwise specify for the reporting of trouble or other matters identified by CLEC for which Embarq may directly communicate with CLEC subscribers. In those instances where CLEC requests that

Embarq personnel interface with CLEC subscribers, such Embarq personnel shall inform the CLEC subscribers that they are representing CLEC, or such brand as CLEC may specify.

- 13.2. Other business materials furnished by Embarq to CLEC 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. Embarq shall share pertinent details of Embarq's training approaches related to branding with CLEC to be used by Embarq to assure that Embarq 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;
 - 15.3.1. which was in the Recipient's possession free of restriction prior to its receipt from Disclosing Party,
 - 15.3.2. which becomes publicly known or available through no breach of this Agreement by Recipient,
 - 15.3.3. which is rightfully acquired by Recipient free of restrictions on its Disclosure, or
 - 15.3.4. which 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. Thereafter, the successor Party shall be deemed CLEC or Embarq and the original Party shall be relieved of such obligations and duties, except for matters arising out of events occurring prior to the date of such undertaking.
- 17.2. Except as provided in Section 17.1, any assignment of this Agreement or of the work to be

performed, in whole or in part, or of any other interest of a Party hereunder, without the other Party's written consent, which consent shall not be unreasonably withheld or delayed, shall be void.

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 CLEC 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
Embarq: Director, Wholesale Markets
 Embarq
 KSOPKB0401-4600
 9300 Metcalf Ave.
 Overland Park, KS 66212

If to William E. Braun
CLEC: Vice-President & General Counsel
 2500 Industrial Avenue
 Hubbard, OR 97032
 bill.braun@reconex.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, 5.2, 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 Embarq, Embarq agrees to resume performance in a nondiscriminatory manner and not favor its own provision of Telecommunications Services above that of CLEC.

25. DISPUTE RESOLUTION

- 25.1. The Commission has continuing jurisdiction to implement and enforce all terms and conditions of this Agreement, except those services in Part (Non-251 Services). Accordingly, any dispute arising out of or relating to this Agreement that the Parties cannot resolve may be submitted to the Commission for resolution. If the Parties are unable to resolve the dispute, the Parties may seek expedited resolution by the Commission, and may request that resolution occur in no event later than sixty (60) Days from the date of submission of such dispute. 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. 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. This provision shall not preclude the Parties from seeking relief available in any other forum.
- 25.2. If any matter is subject to a bona fide dispute between the Parties, the disputing Party will, within thirty (30) Days of the event giving rise to the dispute, give written notice to the other Party of the dispute and include in such notice the specific details and reasons for disputing each item.
- 25.3. If the Parties are unable to resolve the issues related to the dispute in the normal course of business within thirty (30) Days after delivery of notice of the Dispute, to the other Party, the dispute may be escalated to a designated representative who has authority to settle the dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives will meet 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, but in no event shall such resolution exceed sixty (60) Days from the initial notice. The specific format for such discussions will be left to the discretion of the designated representatives, provided, however, that all reasonable requests for relevant information made by one Party to the

other Party will be honored.

25.4. After such period either Party may file a complaint with the FCC or the Commission.

26. COOPERATION ON FRAUD

26.1. The Parties will cooperate with one another to investigate, minimize and take corrective action in cases of fraud. Either Parties' fraud minimization procedures are to be cost effective and implemented so as not to unduly burden or harm the other Party.

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, Embarq and CLEC 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 will form a team (the "Implementation Team") which will 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 Services provided within Federal Enclaves are not within the scope of this Agreement. To the extent Embarq has contracts with federal entities that limit or prohibit the ability of CLEC 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, Embarq will provide CLEC 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 Embarq 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. Embarq will process such orders and provision services consistent with the terms contained in Section 70, of this Agreement.
 - 35.1.2. Where CLEC is using a single facility to provide service to multiple end user customers, Embarq will not disconnect that facility as a result of the following procedures.
 - 35.1.3. Embarq 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
 - 35.1.4.1. 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), Embarq will process the service request without delay, and provide the losing competitive LEC a customer loss notification consistent with industry standards.
 - 35.1.5. Customer with Existing Service Adding New Service
 - 35.1.5.1. 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.
 - 35.1.6. Customer Requesting New Service where Previous Customer has Abandoned Service
 - 35.1.6.1. 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 Embarq nor the previous local service provider are aware that the original end user customer has abandoned the service in place.
 - 35.1.6.2. When a carrier requests service at a location and marks the order as abandoned and CLEC is the previous local service provider, Embarq will notify CLEC via fax that it has had a request for service at the premise location that is currently being served by CLEC;
 - 35.1.6.3. If available to Embarq, Embarq will include the name and address of the party receiving service at such locations, but at a minimum will provide local service address location information;
 - 35.1.6.4. If CLEC does not respond within twenty-four (24) hours (excluding weekends and holidays) after receiving Embarq's notification or if CLEC responds relinquishing the facilities, Embarq will be free to use the facilities in question and Embarq will issue a disconnect order with respect to the CLEC service at that location. If CLEC responds stating that the service is working and should not be disconnected, Embarq 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, Embarq will develop a rate consistent with section 43.
- 36.2. Subject to the provisions of Part B, Section 4 of this Agreement, all rates provided under this Agreement will remain in effect for the term of this Agreement.
- 36.3. Local Service Resale
 - 36.3.1. The rates that CLEC will pay to Embarq for Local Resale are as set forth in Table One of this Agreement and will be applied consistent with the provisions of Part D of this Agreement.
- 36.4. Unbundled Network Elements
 - 36.4.1. The charges that CLEC will pay to Embarq for Unbundled Network Elements are set forth in Table One of this Agreement.
- 36.5. Collocation
 - 36.5.1. The charges that CLEC will pay to Embarq for Collocation are set forth in Table Two of this Agreement.
- 36.6. Call Related Databases
 - 36.6.1. The charges that CLEC will pay to Embarq for Call Related Databases purchased pursuant to Part H are set forth in Table One of this Agreement.

37. SECURITY DEPOSIT

- 37.1. Embarq reserves the right to secure the account with a suitable form of security deposit.
- 37.2. The security deposit may take the form of cash or cash equivalent, an irrevocable letter of credit or other form of security acceptable to Embarq.
- 37.3. If a security deposit is required in accordance with section 37.1 on a new account, CLEC will remit such security deposit prior to inauguration of service. If a security deposit is requested for an existing account, payment of the security deposit will be made prior to acceptance by Embarq of additional orders for service.
- 37.4. The security deposit will be equal to two (2) months' estimated billings as calculated by Embarq, or twice the most recent month's invoices from Embarq for existing accounts. All security deposits will be subject to a minimum deposit level of ten thousand dollars (\$10,000).
- 37.5. The fact that a security deposit has been made in no way relieves CLEC from complying with Embarq'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 Embarq for the discontinuance of service for non-payment of any sums due Embarq. A payment is not considered current in any month if it is made more than thirty (30) Days after the bill date.
- 37.6. Embarq may increase the security deposit requirements when, in Embarq's reasonable judgment, changes in CLEC's financial status so warrant and/or gross monthly billing has increased beyond the level initially used to determine the security deposit. If payment of the additional security

deposit amount is not made within thirty (30) Days of the request, Embarq may stop processing orders for service and CLEC will be considered in breach of the Agreement.

- 37.7. Any security deposit will be held by Embarq as a guarantee of payment of any charges for carrier services billed to CLEC. Embarq may exercise its right to credit any cash deposit to CLEC'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 CLEC undisputed balances due to Embarq that are more than thirty (30) Days past due; or
 - 37.7.2. when an involuntary petition in bankruptcy is filed against CLEC and is not dismissed within sixty (60) Days;
 - 37.7.3. when this Agreement expires or terminates;
 - 37.7.4. 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 in this Section 37; or
 - 37.7.5. CLEC fails to provide Embarq 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 Embarq hereunder.
- 37.8. 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.
- 37.9. Any letter of credit issued to Embarq hereunder must meet the following requirements:
- 37.9.1. 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 CLEC proposes that the letter of credit be issued by a bank that is not so rated by Standard & Poor's or Moody's, then CLEC must obtain the prior written approval of such bank by Embarq.
 - 37.9.2. The original letter of credit will be in such form and on terms that are acceptable to Embarq and must include an automatic one-year extension.
 - 37.9.3. If CLEC receives notice from the Letter of Credit Bank of any non-renewal of a letter of credit issued hereunder, then CLEC will promptly notify Embarq of such notice of non-renewal. Not later than ten (10) Business Days prior to the expiration of the expiring letter of credit, CLEC will provide Embarq a replacement letter of credit on substantially identical terms to the expiring letter of credit (or such other terms as are acceptable to Embarq). If CLEC provides a replacement letter of credit not later than ten (10) Business Days prior to the expiration of the expiring letter of credit, then Embarq will 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, Embarq will provide the original, expiring letter of credit to CLEC.
 - 37.9.4. If CLEC desires to replace any letter of credit issued to Embarq 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 37.

PART D - LOCAL RESALE

38. TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE

- 38.1. At the request of CLEC, and pursuant to the requirements of the Act, and FCC and Commission Rules and Regulations, Embarq will make available to CLEC for resale Telecommunications Services that Embarq 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 Embarq to CLEC pursuant to this Part D are collectively referred to as "Local Resale." To the extent that this Part describes services which Embarq will make available to CLEC for resale pursuant to this Agreement, this list of services is neither all inclusive nor exclusive.

39. RESALE TERMS AND CONDITIONS

- 39.1. The prices charged to CLEC for Local Resale are the Embarq 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 Services that are available at wholesale discount, but only to the extent required by the Tennessee Regulatory Authority. However, when an Embarq subscriber who is eligible for such a federal program or other similar state program chooses to obtain Local Resale from CLEC and CLEC serves such subscriber via Local Resale, Embarq shall identify such subscriber's eligibility to participate in such programs to CLEC in accordance with the procedures set forth herein.
- 39.1.2. Grandfathered Services. Embarq will make any service grandfathered to an end-user or any Individual Case Basis ("ICB") service available to CLEC for resale to that same-end-user at the same location(s). Should Embarq discontinue any grandfathered or ICB service, Embarq will provide to CLEC any legally required notice as soon as practicable and at least equal in quality and timeliness to that which is provided to Embarq's own customers prior to the effective date of changes in or discontinuation of any product or service that is available for resale under this Subsection.
- 39.1.3. Embarq will 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 Embarq 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 CLEC commences to provide service to the end-user customer and ending on the end date of the Contract Service Arrangement, Special Arrangement or ICB. Embarq 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 Pay 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 Embarq to its end users and that are

available for resale, the rules and regulations associated with Embarq's retail Tariff(s) will apply when the services are resold by CLEC. Use limitations will be in Parity with services offered by Embarq to its end users.

- 39.1.6. Except as set forth above and as may be allowed by the FCC or Commission, Embarq will not place conditions or restrictions on CLEC's resale of wholesale regulated Telecommunications Services, except for restrictions on the resale of residential service to other classifications (e.g., residential service to business customers) and for promotions of ninety (90) Days or less in length. In addition, CLEC will be prohibited from marketing its products using the Embarq product name (e.g., CLEC may purchase the features package called "Embarq Essential" but will be prohibited from reselling this product using the Embarq brand name or the Embarq 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. Embarq 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. Where available, CLEC may purchase Voice Mail Service and related services for its end users at Embarq's retail rates.
- 39.1.8. Hospitality Service. Embarq will provide all blocking, screening, and all other applicable functions available for hospitality lines under tariff.
- 39.1.9. LIDB Administration
 - 39.1.9.1. Embarq will maintain customer information for CLEC customers who subscribe to resold Embarq local service dial tone lines, in Embarq's LIDB in the same manner that it maintains information in LIDB for its own similarly situated end-user subscribers. Embarq will update and maintain the CLEC information in LIDB on the same schedule that it uses for its own similarly situated end-user subscribers.
 - 39.1.9.2. Until such time as Embarq's LIDB has the software capability to recognize a resold number as CLEC's, Embarq will store the resold number in its LIDB at no charge and will retain revenue for LIDB look-ups to the resold number.
- 39.1.10. Embarq will continue to provide Primary Interexchange Carrier ("PIC") processing for end-users obtaining resold service from CLEC. Embarq will bill and CLEC will pay any PIC change charges. Embarq will only accept said requests for PIC changes from CLEC and not from CLEC's end users.

PART E – UNBUNDLED NETWORK ELEMENTS

40. SCOPE OF UNE TERMS

- 40.1. Pursuant to the following terms, Embarq will unbundle and separately price and offer Unbundled Network Elements (“UNEs”). CLEC will pay Embarq each month for the UNEs provisioned, and will pay the non-recurring charges listed in Table One or agreed to by the Parties. It is CLEC’s obligation to combine Embarq-provided UNEs with any facilities and services that CLEC may itself provide.

41. USE OF UNBUNDLED NETWORK ELEMENTS

- 41.1. Embarq will offer UNEs to CLEC for the purpose of offering Telecommunications Service to CLEC subscribers. Embarq will offer UNEs to CLEC 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. CLEC 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 CLEC’s obligation to combine Embarq provided UNEs with any and all facilities and services whether provided by Embarq, CLEC, or any other party. CLEC may Commingle UNEs with Wholesale Services or Tariffed access services obtained from Embarq as provided for in this Agreement.
- 41.3. Each UNE provided by Embarq to CLEC will be at Parity with the quality of design, performance, features, functions, capabilities and other characteristics, that Embarq provides to itself, Embarq’s own subscribers, to an Embarq Affiliate or to any other Telecommunications Carrier requesting access to that UNE.
- 41.4. CLEC may use Network Elements provided under this Agreement for any Telecommunications Service subject to the conditions listed below. By placing on order for UNEs, CLEC certifies that these requirements are met.
 - 41.4.1. Any combination of the following, where both are provided by Embarq, are subject to the EEL use restrictions in Section 53.5.2. Such restrictions apply irrespective of the manner in which the loops and transport are combined
 - 41.4.1.1. high capacity loops (DS1, DS3), to the extent available, and special access transport (a commingled facility); or
 - 41.4.1.2. special access channel terminations (DS1, DS3) and Dedicated Transport (DS1, DS3), to the extent available (a commingled facility), or
 - 41.4.1.3. high capacity loops (DS1, DS3) and Dedicated Transport (DS1, DS3).
 - 41.4.2. CLEC may not order or use a UNE for the exclusive provision of Mobile Wireless Service. Facilities connecting Embarq’s network and CMRS carriers’ networks do not qualify as UNEs and will not be available to CLEC as UNEs.
 - 41.4.3. CLEC may not order or use a UNE for the exclusive provision of Interexchange Services (i.e., InterLATA or IntraLATA long distance). Facilities connecting Embarq’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 CLEC as UNE.
 - 41.4.4. CLEC must use any UNE purchased from Embarq for the purpose of providing eligible telecommunications services (not exclusively Mobile Wireless Service or Interexchange

Services). CLEC may use a UNE for the provision of Interexchange Services, Mobile Wireless Service, or Information Services, if CLEC is also providing an eligible telecommunications service over the same UNE. CLEC 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 CLEC can use unbundled loops to provide xDSL services in accordance with this Agreement.

42. BONA FIDE REQUEST PROCESS

- 42.1. Embarq will promptly consider and analyze CLEC requests for unbundled Network Elements included in this Agreement that are not currently developed by Embarq, 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 Embarq 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 will be submitted in writing on the Embarq Standard BFR Form and will include a clear technical description of each request.
- 42.3. CLEC may cancel a BFR at any time, but will 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 Embarq will acknowledge receipt of the BFR.
- 42.5. Except under extraordinary circumstances, within thirty (30) Days of its receipt of a BFR, the Embarq will provide to CLEC a preliminary analysis of such BFR.
- 42.6. Upon receipt of the preliminary analysis, CLEC will, within thirty (30) Days, notify Embarq, in writing, of its intent to proceed or not to proceed.
- 42.7. Embarq will promptly proceed with the BFR upon receipt of written authorization from CLEC. When it receives such authorization, Embarq will 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, Embarq will provide to CLEC 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, CLEC 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 Embarq upon request from the CLEC for customer specific rates or terms for network services and features for UNEs that are not otherwise provided for in this Agreement.
- 43.2. Embarq will process ICB Pricing requests upon receipt from the CLEC. Embarq will provide CLEC 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 will not exceed thirty (30) Business Days from the receipt of the request.

44. NETWORK INTERFACE DEVICE

- 44.1. Embarq 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 LEC (ILEC/CLEC) 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. CLEC may connect its NID to Embarq's NID; may connect an unbundled loop to its NID; or may connect its own Loop to Embarq's NID. Embarq will provide one NID termination with each loop. If additional NID terminations are required, CLEC may request them pursuant to the process detailed in the Bona Fide Request Section herein.
- 44.4. Embarq will provide CLEC with information that will enable their technician to locate end user inside wiring at NIDs terminating multiple subscribers. Embarq will dispatch a technician and tag the wiring at the CLEC's request. In such cases the charges specified in Table One will apply.
- 44.5. Embarq will not provide specialized (Embarq non-standard) NIDS.
- 44.6. The Embarq NID will provide a clean, accessible point of connection for the inside wiring and for the distribution media and/or cross connect to CLEC's NID and will maintain a connection to ground that meets applicable industry standards. Each Party will ground its NID independently of the other party's NID.
- 44.7. When requested, Embarq will provide NIDs separately from loops for a separate price as shown in Table One. A NID will be provided with each unbundled loop and is included in the loop pricing shown in Table One.

45. LOOP

- 45.1. Embarq will provide CLEC access to Local 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 CLEC's request for Local Loops are contained in Section 54.
- 45.2. At CLEC's request, and if Technically Feasible, Embarq 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 will include Basic Testing and Cooperative Testing. Optional Cooperative Testing and Joint Testing are performed only at CLEC's request. To the extent CLEC requests testing that would require Embarq to purchase new equipment, establish new procedures, or make systems modifications, CLEC will compensate Embarq for costs incurred to provide such testing. Request for additional testing must be submitted pursuant to the BFR Process in Section 42.
 - 45.2.1. Basic Testing will include simple metallic measurements only, performed by accessing the loop through the voice Switch. Basic Testing does not include cooperative or joint testing efforts that require Embarq's technician to work jointly with CLEC's staff ("Cooperative Testing" or "Joint Testing").
 - 45.2.2. Cooperative testing is provided on service order activity only and will be provided by

Embarq at CLEC's expense. Embarq technicians will try to contact CLEC's representative at the conclusion of installation. If the CLEC does not respond within 3 minutes, Embarq may, in its sole discretion, abandon the test and CLEC will be charged for the test.

45.2.3. Joint Testing is provided on maintenance activity only and will be provided by Embarq at CLEC's expense, when requested. Embarq technicians will try to contact CLEC's representative to initiate Joint Testing after completing the requested activity. If the CLEC does not respond within 3 minutes, Embarq may, in its sole discretion, abandon the test and CLEC will be charged for the test. Loops involving multiplexing prohibit the reading of a short.

45.2.4. Embarq will charge CLEC at the rates set out on Table One, when the location of the trouble on a CLEC-reported ticket is determined to be in CLEC's network or on the CLEC 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 the CLEC's end user's premises. CLEC will not install equipment on analog Loops that exceeds the specified bandwidth.

45.3.2. Embarq 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. Embarq will provide digital Loops on the basis of the service that will be provisioned over the Loop. Digital Loops are Copper Loops over which CLEC may deploy advanced services. Deployment of advanced services over digital loops by CLEC will be consistent with the terms and conditions contained in Section 45.8. On digital Loops, Embarq will only provide electrical continuity and line balance.

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

45.4.3. Reverse ADSL Loops. If a CLEC's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to Embarq'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 Embarq host or remote central office must be a facility dedicated to ADSL transmission only and not part of Embarq's regular feeder or distribution plant.

45.5. Non-Standard Digital Loops

45.5.1. If CLEC 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), Embarq 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 45.9.2 are applicable.

45.6. DS1 Loops

- 45.6.1. Subject to the cap in Section 45.6.2, Embarq will provide CLEC 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.
- 45.6.2. CLEC may obtain a maximum of ten unbundled DS1 loops to any single building in which DS1 loops are available as unbundled loops.
- 45.6.3. Any DS1 loop UNEs that CLEC leased from Embarq as of 3/11/05, but which Embarq is not obligated to unbundle pursuant to Sections 45.6.1 and 45.6.2, must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. Any service provided by Embarq to CLEC over such DS1 Loops after 3/11/05 and prior to such conversion will be billed at applicable rates for comparable access services.
 - 45.6.3.1. If CLEC fails to submit the necessary orders to convert the DS1 Loops within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS1 Loops to comparable access services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.
 - 45.6.3.2. If CLEC has ordered new UNE DS1 Loop in Wire Centers identified on Exhibit A since 3/11/05, those UNEs will be converted to comparable access services and the applicable rates for such comparable access services will apply back to 3/11/05.
- 45.6.4. Where Embarq is not required to provide unbundled DS1 loops pursuant to Sections 45.6.1 and 45.6.2, CLEC may not obtain new DS1 loops as UNEs.
- 45.6.5. If Embarq identifies Wire Centers in addition to those listed on Exhibit A that exceed the DS1 Loop threshold, Embarq will provide CLEC notice in accordance with the notice provisions of this Agreement. CLEC will 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 Embarq within an identified Wire Center on the date of the notice will be available for a 6-month period from the date of the notice at a rate that is equal to one hundred fifteen percent (115%) of rate CLEC paid on the date of the notice.
 - 45.6.5.1. CLEC must submit the necessary orders to convert these UNEs to an alternative service arrangement within six months of the above notice date. By the end of the six month period, CLEC must have transitioned the UNEs to alternative facilities or arrangements. If CLEC fails to submit the necessary orders before the end of the six month period, Embarq will convert the DS1 Loops to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.

45.7. DS3 Loops

- 45.7.1. Subject to the cap described in Section 45.7.2, Embarq will provide CLEC 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.

45.7.2. CLEC may obtain a maximum of a single unbundled DS3 loop to any single building in which DS3 loops are available as unbundled loops.

45.7.3. Any DS3 loop UNEs that CLEC leased from Embarq as of 3/11/05, but which Embarq is not obligated to unbundle pursuant to Sections 45.7.1 and 45.7.2, must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. Any service provided by Embarq to CLEC over such DS3 Loops after 3/11/05 and prior to such conversion will be billed at applicable rates for comparable access services.

45.7.3.1. If CLEC fails to submit the necessary orders to convert the DS3 Loops within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS3 Loops to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.

45.7.3.2. If CLEC has ordered new UNE DS3 Loop in Wire Centers identified on Exhibit A since 3/11/05, those UNEs will be converted to comparable access services and the applicable rates for such comparable access services will apply back to 3/11/05.

45.7.4. Where Embarq is not required to provide unbundled DS3 loops pursuant to Sections 45.7.1 and 45.7.2, CLEC may not obtain new DS3 loops as UNEs.

45.7.5. If Embarq identifies Wire Centers in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide CLEC notice in accordance with the notice provisions of this Agreement. CLEC will 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 Embarq on the date of the notice will be available for a six (6)-month period from the date of the notice at a rate equal that is one hundred fifteen percent (115%) of rate CLEC paid on the date of the notice.

45.7.5.1. CLEC must submit the necessary orders to convert these UNEs to an alternative service arrangement within six months of the above notice date. By the end of the six month period, CLEC must have transitioned the UNEs to alternative facilities or arrangements. If CLEC fails to submit the necessary orders by the end of the six month period, Embarq will convert the DS3 Loops to comparable Access Services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.

45.8. Adherence to National Industry Standards

45.8.1. In providing advanced service loop technology, Embarq will allow CLEC to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.

45.8.2. Until long term industry standards and practices can be established, a particular technology will 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:

- 45.8.2.1. Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;
 - 45.8.2.2. Is approved by an industry standards body, the FCC, or any state commission or;
 - 45.8.2.3. Has been successfully deployed by any CLEC without significantly degrading the performance of other services.
- 45.8.3. Where CLEC seeks to establish that deployment of a technology falls within the presumption of acceptability under Section 45.8.2.3, the burden is on CLEC 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.
- 45.8.4. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering Party and allow 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.
- 45.8.5. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 45.8.2, the degraded service will not prevail against the newly deployed technology.
- 45.8.6. If Embarq denies a request by CLEC to deploy a technology, it will provide detailed information providing the reasons for the rejection.
- 45.8.7. Parties will 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, the CLEC will upgrade its equipment to the adopted standard within sixty (60) Days of the standard being adopted.
- 45.8.8. CLEC will meet the power spectral density requirement given in the respective technical references listed below:
- 45.8.8.1. For Basic Rate ISDN: Telcordia TR-NWT-000393 Generic Requirements for ISDN Basic Access Digital Subscriber Lines.
 - 45.8.8.2. 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.
 - 45.8.8.3. For ADSL: ANSI T1.413-1998 (Issue 2 and subsequent revisions) Asymmetrical Digital Subscriber Line (ADSL) Metallic Interface.
 - 45.8.8.4. As an alternative to Section 45.8.8.1, CLEC 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.

45.9. Information to be Provided for Deployment of Advanced Services

45.9.1. Upon request, Embarq will provide to CLEC:

45.9.1.1. information with respect to the spectrum management procedures and policies that Embarq uses in determining which services can be deployed;

45.9.1.2. information with respect to the rejection of CLEC's provision of advanced services, together with the specific reason for the rejection; and

45.9.1.3. information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops.

45.9.2. In connection with the provision of advanced services, CLEC will provide to Embarq the following information on the type of technology that CLEC seeks to deploy where CLEC asserts that the technology it seeks to deploy fits within a generic Power Spectral Density (PSD) mask:

45.9.2.1. 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;

45.9.2.2. the SMC (i.e. PSD mask) of the service it seeks to deploy, at the time of ordering and if CLEC requires a change in the SMC of a particular loop, CLEC will notify Embarq in writing of the requested change in SMC (via a service order);

45.9.2.3. to the extent not previously provided CLEC must disclose to Embarq every SMC that the CLEC has implemented on Embarq's facilities to permit effective Spectrum Management.

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

45.10.1. When CLEC requests access to a Hybrid Loop for the provision of narrowband services, Embarq will

45.10.1.1. Provide non-discriminatory unbundled access to the entire Hybrid Loop capable of providing voice-grade service (*i.e.* equivalent to DS0 capacity) using time division multiplexing, or

45.10.1.2. Provide non-discriminatory unbundled access to a spare Copper Loop serving that end-user.

45.11. Fiber Loops

45.11.1. Dark Fiber Loops

45.11.1.1. Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is non-activated fiber optic cable, deployed by Embarq that has not been activated through connections to optronics that light it, and thereby render it capable of carrying communications.

45.11.1.2. Embarq is not required to provide CLEC with access to dark fiber loop on an unbundled basis.

45.11.1.3. For an 18-month period beginning on 3/11/05, any dark fiber loop UNEs that

CLEC leases from Embarq as of 3/11/05 will be available for lease from Embarq at the rate on Table One. The charges for dark fiber loop are subject to true-up retroactive to 3/5/05 regardless of when this Agreement is effective. CLEC may not obtain new dark fiber loops as UNEs.

- 45.11.1.4. CLEC must submit the necessary orders to convert these UNEs to an alternative service arrangement within eighteen months of 3/11/05. By 9/10/06, CLEC must transition the UNEs to alternative facilities or arrangements. If CLEC fails to submit the necessary orders on or before 9/10/06, Embarq will convert the Dark Fiber Loops to comparable Access Services, if any, or disconnect the Dark Fiber facilities. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.

45.12. FTTH and FTTC Fiber Loops

- 45.12.1. New builds. Embarq will not provide non-discriminatory access to FTTH Loop or a FTTC Loop on an unbundled basis when Embarq 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. Embarq will not provide non-discriminatory access to FTTH Loop or FTTC Loop on an unbundled basis when Embarq has deployed a FTTH Loop or FTTC Loop parallel to, or in replacement of, an existing loop facility, except that:
 - 45.12.2.1. Embarq 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 Embarq has retired the Copper Loop as set forth below.
 - 45.12.2.2. If Embarq deploys FTTH Loop or FTTC Loop and maintains the existing Copper Loop, Embarq will restore the Copper Loop to serviceable condition upon request.
 - 45.12.2.3. If Embarq deploys FTTH Loop or FTTC Loop and retires the existing Copper Loop, Embarq 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.
 - 45.12.2.4. Prior to retiring Copper Loop or copper subloop that has been replaced with FTTH Loop or FTTC Loop Embarq 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 CLEC's request, Embarq 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. Embarq will include the following information on the label: order number, due date, CLEC name, and the circuit number.
- 45.13.2. CLEC 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. Embarq will offer unbundled access to copper subloops and subloops for access to multiunit premises wiring. Embarq 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 CLEC covering the interconnection time intervals, prices and other information based on the ICB process as set forth in this Agreement.
- 46.2. Embarq is not required to provide CLEC access to dark fiber subloops.
- 46.3. Copper Subloops. Embarq 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 Embarq's outside plant, including inside wire owned or controlled by Embarq, 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 CLEC 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. Embarq 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. Embarq will make available to CLEC 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 the incumbent LEC's outside plant at or near a multiunit premises, including inside wire. Inside wire is wire owned or controlled by Embarq 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 Embarq'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 Embarq owns, controls, or leases wiring, Embarq 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. Embarq 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 CLEC over subloops will be in accordance with the terms included in Sections 45.8 and 45.9.
- 46.7. Reverse ADSL Loops. If a CLEC's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to Embarq'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 Embarq host or remote central office must be a facility dedicated to ADSL transmission only and not part of Embarq's regular feeder or distribution plant.

47. OPERATIONS SUPPORT SYSTEMS (OSS)

- 47.1. Embarq will offer unbundled access to Embarq'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 Embarq's databases and information. The OSS element includes access to all loop qualification information contained in Embarq's databases or other records, including information on whether a particular loop is capable of providing advanced services.

48. LOOP MAKE-UP INFORMATION

- 48.1. Embarq will make available Loop Make-Up Information in a non-discriminatory manner at Parity with the data and access it gives itself and other CLECs, including affiliates. The charges for Loop Make-Up Information are set forth in Table One to this Agreement.
- 48.2. Information provided to the CLEC will not be filtered or digested in a manner that would affect the CLEC's ability to qualify the loop for advanced services.
- 48.3. Embarq will 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 POI where the requesting CLEC connects to the Embarq LTD network.
- 48.4. Errors identified in validation of the Loop Make-Up Information inquiry order will be returned to the CLEC.
- 48.5. Embarq may provide the requested Loop Make-Up Information to the CLECs in whatever manner Embarq 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, CLEC must provide a unique fax number used solely for the receipt of Loop Make-Up Information.
- 48.6. If CLEC 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, CLEC agrees that:
- 48.6.1. CLEC will be charged a Trouble Isolation Charge to determine the cause of the failure;
- 48.6.2. If Embarq undertakes Loop Make-Up Information activity to determine the reason for such failure, CLEC will be charged a Loop Make-Up Information Charge; and
- 48.6.3. If Embarq undertakes Conditioning activity for a particular loop to provide for the successful installation of advanced services, CLEC will pay applicable conditioning charges as set forth in Table One pursuant to Section 54.3 of this Agreement.

49. LOCAL CIRCUIT SWITCHING

- 49.1. DS0 Capacity (i.e. mass market)
- 49.1.1. Embarq is not required to provide access to local circuit switching on an unbundled basis to CLEC for the purpose of serving end-user customers using DS0 capacity loops.
- 49.1.2. CLEC may not obtain new local circuit switching as an unbundled network element.
- 49.2. Elements related to the local circuit switching element will made available on an unbundled basis to CLEC to the extent that CLEC is entitled to unbundled local circuit switching as set forth above.

- 49.2.1. Embarq will provide CLEC with non-discriminatory access to signaling, call-related databases and common transport facilities on an unbundled basis, to the extent that Embarq is required to provide unbundled local circuit switching as set forth above.
- 49.3. Embarq is not required to provide local switching under this Section for switching used to serve end users with four or more lines in access density zone 1, in the top 50 Metropolitan Statistical Areas.
- 49.4. Embarq is not required to provide access to local circuit switching on an unbundled basis to requesting carriers using DS1 capacity and above.

50. DEDICATED TRANSPORT

- 50.1. Embarq will provide CLEC 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 Embarq’s Wire Centers or switches and another of Embarq’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.
 - 50.1.1. Embarq is not obligated to provide a requesting carrier with unbundled access to dedicated transport that does not connect a pair of Embarq Wire Centers (*i.e.* entrance facilities). Further, Embarq is not obligated to provide DSO or OC-N and above Dedicated Transport facilities as a UNE.
- 50.2. Dedicated DS1 transport will be made available to CLEC on an unbundled basis as set forth below. Dedicated DS1 transport consists of Embarq 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.
 - 50.2.1. Embarq will unbundle DS1 transport between any pair of Embarq 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, Embarq 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.
 - 50.2.2. CLEC may obtain a maximum of ten unbundled DS1 dedicated transport circuits on each route where DS1 dedicated transport is available on an unbundled basis.
 - 50.2.3. Any DS1 dedicated transport UNE that CLEC leased from Embarq as of 3/11/05, but which Embarq is not obligated to unbundle pursuant to Sections 50.2.1 and 50.2.2, must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. Any service provided by Embarq to CLEC over such DS1 dedicated transport after 3/11/05 and prior to such conversion will be billed at applicable rates for comparable services as shown on Table One. Where Embarq is not required to provide unbundled DS1 transport pursuant Sections 50.2.1 and 50.2.2, CLEC may not obtain new DS1 transport as unbundled Network Elements. If CLEC fails to submit the necessary orders to convert and complete the transition of these UNEs to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.
 - 50.2.3.1. If CLEC has ordered new UNE DS1 Dedicated Transport on routes identified on Exhibit A since 3/11/05, those UNEs will be converted to comparable access services and the applicable rates will apply back to 3/11/05.

- 50.2.4. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the DS1 Dedicated Transport circuit threshold for a route, Embarq will provide CLEC notice in accordance with the notice provisions of this Agreement. CLEC will 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 Embarq within the identified route on the date of the notice will be available for a six (6)-month period from the date of the notice at a rate equal that is one hundred fifteen percent (115%) of rate CLEC paid on the date of the notice.
- 50.2.4.1. CLEC must submit the necessary orders to convert these UNEs to an alternative service arrangement within six months of the above notice date. By the end of the six month period, CLEC must have transitioned the UNEs to alternative facilities or arrangements. If CLEC fails to submit the necessary orders within the six (6) month period, Embarq will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.
- 50.3. Dedicated DS3 transport will be made available to CLEC on an unbundled basis as set forth below. Dedicated DS3 transport consists of Embarq 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.
- 50.3.1. Embarq will unbundle DS3 transport between any pair of Embarq 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, Embarq will unbundle DS3 transport if a Wire Center on either end of a requested route is a Tier 3 Wire Center.
- 50.3.2. CLEC may obtain a maximum of twelve unbundled DS3 dedicated transport circuits on each route where DS3 dedicated transport is available on an unbundled basis.
- 50.3.3. Any DS3 dedicated transport UNE that CLEC leased from Embarq as 3/11/05, but which Embarq is not obligated to unbundle pursuant to sections 50.3.1 and 50.3.2, must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. Any service provided by Embarq to CLEC over such DS3 dedicated transport after 3/11/05 and prior to such conversion will be billed at applicable rates for comparable services as shown on Table One. Where Embarq is not required to provide unbundled DS3 transport pursuant to sections 50.3.1 and 50.3.2, CLEC may not obtain new DS3 transport as unbundled Network Elements. If CLEC fails to convert and complete the transition of these UNEs to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS3 Dedicated Transport to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.
- 50.3.3.1. If CLEC has ordered new UNE DS3 Dedicated Transport between Wire Centers identified on Exhibit A since 3/11/05, those UNEs will be converted to comparable access services and the applicable rates will apply back to 3/11/05.
- 50.3.4. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the DS3 Dedicated Transport circuit threshold for a route, Embarq will provide CLEC notice in accordance with the notice provisions of this Agreement. CLEC will 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 Embarq within the identified route on the date of the notice will be available for a six (6) month period from the date of the notice at a rate equal that is one hundred fifteen percent (115%) of rate CLEC paid on the date of the notice.

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

50.4. Technical Requirements for DS1 and DS3 Dedicated Transport

50.4.1. Where technologically feasible and available, Embarq will offer Dedicated Transport consistent with the underlying technology as follows:

50.4.1.1. When Embarq provides Dedicated Transport, the entire designated transmission circuit (e.g., DS-1, DS-3) will be dedicated to CLEC designated traffic.

50.4.1.2. Where Embarq has technology available, Embarq will 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.

50.5. Dedicated Dark Fiber Transport

50.5.1. General Rules and Definition

50.5.1.1. Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is non-activated fiber optic cable, deployed by Embarq that has not been activated through connections to optronics that light it, and thereby render it capable of carrying communications.

50.5.1.2. Embarq will unbundle Dark Fiber for Dedicated Transport as set forth in this Agreement and as follows:

50.5.1.2.1. Embarq will unbundle dark fiber transport between any pair of Embarq Wire Centers except where both wire centers defining the route are either Tier 1 or Tier 2 Wire Centers. Embarq will unbundle dark fiber transport if a Wire Center on either end of a requested route is a Tier 3 Wire Center.

50.5.1.2.2. Beginning on 3/11/05 and for an 18-month period, any dark fiber transport UNE that CLEC leases from Embarq, where Embarq is not obligated to provide unbundled dark fiber transport, will be available at the rates on Table One. CLEC will true-up the rates paid for dark fiber dedicated transport back to 3/11/05. Where Embarq is not required to provide unbundled dark fiber transport, CLEC may not obtain new dark fiber transport as a UNE.

50.5.1.2.3. CLEC must submit the necessary orders to convert these UNEs to an alternative service arrangement within eighteen months of 3/11/05. By 9/10/06, CLEC must have transitioned the UNEs to alternative facilities or arrangements. If CLEC fails to submit the necessary orders before 9/10/06, Embarq will convert the Dark Fiber Dedicated Transport to comparable Access Services, if available, or disconnect the Dark Fiber facilities. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of CLEC.

50.5.1.3. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide CLEC notice in accordance with the notice provisions of this Agreement. CLEC will 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 Embarq within the identified route on the date of the notice will be available for a six (6) month period from the date of the notice.

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

50.5.2. Fiber Availability

50.5.2.1. Spare fibers in a sheath are not considered available if Embarq has plans to put the fiber in use within the current year or the following year.

50.5.2.2. Embarq will also maintain fibers to facilitate maintenance, rearrangements and changes. Embarq 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.

50.5.2.3. Dark fiber requests will be handled on a first come, first served basis, based on the date the Dark Fiber Application (DFA) is received.

50.5.3. Interconnection Arrangements

50.5.3.1. Rules for gaining access to unbundled network elements apply to Dark Fiber. Virtual and physical collocation arrangements may be used by CLEC to locate the optical electronic equipment necessary to "light" leased Dark Fiber.

50.5.3.2. The CLEC that requests Dark Fiber must be able to connect to the Embarq fiber by means of fiber patch panel.

50.5.3.3. If fiber patch panels (FPPs) are not located within close enough proximity for a fiber patch cord, CLEC must submit an ICB request for the purchase and installation of intraoffice cabling.

50.5.3.4. 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 the CLEC.

50.5.4. Dark Fiber Application and Ordering Procedure

- 50.5.4.1. CLEC will submit a Dark Fiber Application (DFA) and application fee to request that Embarq determine the availability of Dark Fiber between the CLEC-specified locations. See Table One for application fee amount.
- 50.5.4.2. Within twenty (20) Business Days of receipt of DFA, Embarq will provide CLEC with a response regarding fiber availability and a price quote.
 - 50.5.4.2.1. If Dark Fiber is not available, Embarq will notify CLEC of the DFA rejection.
 - 50.5.4.2.2. CLEC will follow the Dispute Resolution Process outlined in Part B of this Agreement if CLEC wishes to contest the rejection.
- 50.5.4.3. If Dark Fiber is available, CLEC will notify Embarq of acceptance of Dark Fiber quote, via a firm order, within ten (10) Business Days of receipt of quote. Embarq will reserve the requested Dark Fiber for the CLEC during these ten (10) Business Days. If, however, CLEC does not submit a firm order by the tenth (10th) Business Day, the fiber will no longer be reserved.
- 50.5.4.4. If CLEC has not accepted the price quote after ten (10) Business Days of CLEC's receipt of the price quote, CLEC must submit another DFA and application fee.
- 50.5.4.5. The CLEC will submit a firm order for Dark Fiber via an access service request (ASR).
- 50.5.4.6. By submitting the Dark Fiber firm order, the CLEC agrees to pay quoted monthly recurring and non-recurring charges. See Table One for monthly recurring and non-recurring charges.
- 50.5.4.7. Due Date. Embarq will provision Dark Fiber twenty (20) Business Days after it receives firm order from CLEC. Billing of the monthly recurring and non-recurring charges will begin upon completion of Dark Fiber order. Embarq will allow CLEC to extend due date for firm order completion up to sixty (60) Business Days from the date Embarq receives firm order from CLEC. This extended due date must be specified on the firm order.
 - 50.5.4.7.1. Billing of the monthly recurring and non-recurring charges will begin on the due date of the Dark Fiber order completion unless:
 - 50.5.4.7.1.1. CLEC cancels firm order before the established due date. If this occurs, CLEC agrees to reimburse Embarq for all costs incurred to date; or
 - 50.5.4.7.1.2. a third party submits firm order for same Dark Fiber. If this occurs, CLEC must begin compensating Embarq for monthly recurring and non-recurring charges in order to reserve fiber, once Embarq is able to provide Dark Fiber to CLEC.

50.5.5. Maintenance and Testing

- 50.5.5.1. Embarq is only responsible for maintaining the facilities that it owns.
- 50.5.5.2. Embarq will conduct an end-to-end test of Dark Fiber after receipt of the firm

order.

50.5.5.3. For meet point arrangements, Embarq will conduct cooperative testing with another carrier at CLEC's request. Additional rates and charges will apply.

50.5.5.4. Embarq does not guarantee that the transmission characteristics of the Dark Fiber will remain unchanged over time.

50.5.5.5. Embarq is not responsible for determining whether the transmission characteristics of the Dark Fiber will accommodate the CLEC requirements.

50.5.6. Rules for Take Back

50.5.6.1. Embarq reserves the right to take back Dark Fiber to meet its carrier of last resort obligations.

50.5.6.2. Embarq will provide CLEC twelve (12) months written notice prior to taking back fiber.

50.5.6.3. If multiple CLECs have leased fiber within a single sheath, Embarq will take back the fiber that was the last to be leased.

50.5.6.4. Embarq will provide the CLEC with alternative transport arrangements when Embarq takes back working fiber.

50.5.6.5. The Dispute Resolution Procedures found in Part B of this Agreement will be followed if CLEC wishes to contest Embarq's decision to take back its leased fiber.

51. COMMINGLING

51.1. For the purpose of this section, wholesale services includes both services CLEC procures for resale pursuant to § 251(c)(4) and exchange access service purchased from Embarq's access Tariffs.

51.2. CLEC may Commingle an unbundled network element or combination of UNEs with wholesale services purchased from Embarq, subject to Section 53.5.3. Upon request, Embarq will perform the work necessary to Commingle such UNE or UNE combinations with wholesale services purchased from Embarq subject to Section 42. CLEC will compensate Embarq 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. Embarq will not ratchet price individual components; that is, Embarq 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.

52. LINE SPLITTING

52.1. Line Splitting

52.1.1. 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.

52.1.2. Whenever CLEC purchases the unbundled loop, CLEC will control the entire loop spectrum.

52.1.3. Embarq will institute procedures to allow CLEC or another carrier to order HFS data capabilities on a UNE loop.

- 52.2. When either CLEC or the other carrier orders Line Splitting using CLEC's OCN, CLEC will be billed the charges for the Line Splitting service. When the other carrier orders Line Splitting using its own OCN, Embarq will bill the other carrier for the Line Splitting charges.

53. UNE COMBINATIONS

- 53.1. CLEC may order UNEs either individually or in the combinations, including EEL as specifically set forth in this Section of the Agreement.
- 53.2. General Terms and Conditions
- 53.2.1. Embarq will allow CLEC to order each UNE individually in order to permit CLEC to combine UNEs with other UNEs obtained from Embarq 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 Embarq's network or in combination with any other Network Elements that are currently combined in Embarq's Network. Upon request, Embarq will perform the functions necessary to combine UNEs, even if those elements are not ordinarily combined in Embarq'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 Embarq's network. CLEC will compensate Embarq the costs of work performed to combine the requested UNEs. Any request by CLEC for Embarq 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 CLEC upon implementation by Embarq of the necessary operational modifications.
- 53.3. The provisioning of combinations, including EEL, is limited to existing facilities and Embarq is not obligated to construct additional facilities to accommodate any request by CLEC.
- 53.4. Specific Combinations and Pricing
- 53.4.1. In order to facilitate the provisioning of EELs, Embarq will support the ordering and provisioning of this specific combination as set forth below.
- 53.5. Embarq Offers the Following Combinations of Network Elements
- 53.5.1. EEL is the combination of the NID, Loop, and Dedicated Transport network elements.
- 53.5.1.1. Embarq will offer the combination of unbundled loops with wholesale services and unbundled Dedicated Transport, where Embarq 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. Embarq 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 CLEC's provision of circuit switched telephone exchange service to CLEC's end users.
- 53.5.1.2. Multiplexing will be provided as necessary as part of Dedicated Transport.
- 53.5.2. In order to obtain the EEL combinations below, a requesting CLEC must provide certification that it satisfies the service eligibility criteria for each circuit as set forth below. For existing EELs, CLEC must recertify compliance with the EELs criteria within thirty (30) Days of the Effective Date of this Agreement. CLEC must continue to be in compliance with the service eligibility criteria for as long as CLEC continues to

receive the services in this section. Embarq will offer the following EEL Combinations:

- 53.5.2.1. Unbundled DS1 Loop in combination with UNE DS1 Dedicated Transport.
- 53.5.2.2. Unbundled DS1 Loop commingled with dedicated DS1 transport wholesale service.
- 53.5.2.3. Unbundled DS1 Loop in combination with UNE DS3 Dedicated Transport.
- 53.5.2.4. Unbundled DS1 Loop commingled with dedicated DS3 transport wholesale service.
- 53.5.2.5. Unbundled DS3 Loop in combination with UNE DS3 Dedicated Transport.
- 53.5.2.6. Unbundled DS3 Loop commingled with dedicated DS3 transport wholesale service.
- 53.5.2.7. Unbundled DS1 Dedicated Transport commingled with DS1 channel termination.
- 53.5.2.8. Unbundled DS3 Dedicated Transport commingled with DS1 channel termination service.
- 53.5.2.9. Unbundled DS3 Dedicated Transport commingled with DS3 channel termination service.

53.5.3. EEL Eligibility Criteria

- 53.5.3.1. CLEC must have state certification to provide local voice service in the area being served or, in the absence of a state certification requirement, CLEC must have complied with registration, tariffing, filing fee, or other regulatory requirements applicable to the provision of local voice service in the area served;
- 53.5.3.2. 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:
 - 53.5.3.2.1. Each circuit to be provided to each CLEC customer must be assigned one local number prior to the provision of service over the circuit;
 - 53.5.3.2.2. Each DS1-equivalent circuit on a DS3 EEL must have its own local number assignment, so that each DS3 has up to 28 local voice numbers assigned to it;
 - 53.5.3.2.3. Each circuit to be provided to each customer must provide 911 or E911 capability prior to the provision of service over the circuit;
 - 53.5.3.2.4. Each circuit to be provided to each customer must terminate into a collocation that meets one of the following requirements:
 - 53.5.3.2.4.1. a collocation established pursuant to § 251(c)(6) of the Act and located at Embarq's premises within the same LATA as the CLEC's customer's premises, when Embarq is not the collocater; or

53.5.3.2.4.2. a collocation located at a third party's premises within the same LATA as the CLEC's customer's premises, when Embarq is the collocator.

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

53.5.3.2.6. Each circuit to be provided to each customer will be served by a switch capable of switching local voice traffic.

53.5.3.3. Embarq has the right, upon thirty (30) Days notice, to audit CLEC's compliance with the service eligibility criteria defined by the FCC and as set forth above. Embarq will hire and pay for an independent auditor to perform the audit. CLEC will reimburse Embarq if the audit report concludes that CLEC failed to materially comply with the service eligibility criteria. Embarq may request one audit in a calendar year. In the instance of non-compliance, CLEC will 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 Embarq's audit rights in Part B of this Agreement.

54. MODIFICATIONS TO EMBARQ'S EXISTING NETWORK

54.1. Modifications to Unbundled Loop

54.1.1. Embarq will make routine network modifications to unbundled loop facilities used by CLEC where the requested loop facility has already been constructed. Embarq 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. CLEC will compensate Embarq 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 Embarq will provide a price quote via the ICB process.

54.1.1.1. In the case of unbundled loop facilities, a routine network modification is an activity that Embarq 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 Embarq 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 CLEC.

54.2. Modifications to Dedicated Transport

54.2.1. Embarq will make routine network modifications to unbundled dedicated transport

facilities used by CLEC where the requested Dedicated Transport facilities have already been constructed. Embarq 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. CLEC will compensate Embarq 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. Embarq will provide routine network modifications at the rates on Table One or Embarq will provide a price quote via the ICB process.

54.2.1.1. In the case of unbundled Dedicated Transport facilities, a routine network modification is an activity that Embarq 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 CLEC 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 CLEC.

54.3. Loop Conditioning

54.3.1. 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. Embarq will condition loops at CLEC's request and will assess charges for loop conditioning in accordance with the prices listed in Table One. Embarq recommends that CLEC utilize the Loop Make-Up process in Section 48 prior to submitting orders for loops intended for advanced services.

54.4. Embarq 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

55. LOCAL INTERCONNECTION TRUNK ARRANGEMENT

- 55.1. The Parties will reciprocally terminate Local Traffic and IntraLATA/InterLATA toll calls originating on the other Party's network as follows:
 - 55.1.1. The Parties will make available to each other two-way trunks for the reciprocal exchange of combined Local Traffic, and non-equal access IntraLATA toll traffic. Neither Party is obligated under this Agreement to order reciprocal trunks or build facilities in the establishment of interconnection arrangements for the delivery of Internet traffic. The Party serving the Internet service provider will order trunks or facilities from the appropriate tariff of the other Party for such purposes and will be obligated to pay the full cost of such facility.
 - 55.1.1.1. The Parties will use two-way trunks (one-way directionalized). The Parties will transition all trunks from directionalized two-way trunks upon mutual agreement, absent engineering or billing issues.
 - 55.1.2. Separate two-way trunks will be made available for the exchange of equal-access InterLATA or IntraLATA interexchange traffic.
 - 55.1.3. Separate trunks will be utilized for connecting CLEC's switch to each 911/E911 tandem.
- 55.2. Direct Interconnection Requirements
 - 55.2.1. Point of Interconnection. CLEC must establish a minimum of one POI within each LATA, at any technically feasible point, on Embarq's network. In addition, CLEC will establish additional POIs under the following circumstances:
 - 55.2.1.1. To the extent Embarq's network contains multiple tandems in the LATA, CLEC must establish a POI at each tandem where it wishes to exchange (i.e. receive or terminate) traffic with Embarq.
 - 55.2.1.2. CLEC must establish a POI at an Embarq end office when total traffic volumes exchanged between that particular Embarq end office and CLEC exceeds a DS1 equivalent.
 - 55.2.1.3. CLEC must establish a POI at any Embarq end office that subtends a non-Embarq tandem.
 - 55.2.2. CLEC will be responsible for engineering and maintaining its network on its side of the POI. Embarq 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.
 - 55.2.3. Each Party is financially responsible for transporting its originated traffic to the POI.
 - 55.2.4. When the Parties choose to interconnect at a mid-span meet, CLEC and Embarq will jointly provision the facilities that connect the two networks. Embarq will be the "controlling carrier" for purposes of MECOD guidelines, as described in the joint implementation plan. Embarq will provide fifty percent (50%) of the facilities or to its exchange boundary, whichever is less. The construction of new facilities for a mid-span meet is only applicable when traffic is roughly balanced. Notwithstanding any provision in this Agreement to the contrary, when the Parties interconnect using a mid-span meet, each Party will be financially responsible for the facilities on its side of the mid-span meet and will not bill the other Party for any portion of those facilities.

- 55.2.5. If third party (*i.e.* Competitive Access Provider or “CAP”) leased facilities are used for interconnection, the POI will be defined as the Embarq office in which the third party’s leased circuit terminates.
- 55.2.6. If CLEC elects to lease any portion of the transport facility from Embarq or if CLEC chooses to interconnect with Embarq using a meet-point arrangement (*i.e.* facilities jointly provisioned by Embarq and another LEC), CLEC will order those facilities that are wholly within Embarq’s serving territory from Embarq’s access tariff.
- 55.3. Technical Requirements for Interconnection
 - 55.3.1. Interconnection at the Embarq Tandem
 - 55.3.1.1. Interconnection to Embarq Tandem Switch(es) will provide CLEC local interconnection for local service purposes to the Embarq end offices and NXXs which subtend that tandem(s), where local trunking is provided, and access to the toll network.
 - 55.3.1.2. Interconnection to an Embarq Tandem for transit purposes will provide access to telecommunications carriers which are connected to that Tandem Switch.
 - 55.3.1.3. Where an Embarq Tandem Switch also provides End-Office Switch functions, interconnection to an Embarq tandem serving that exchange will also provide CLEC access to Embarq’s end offices.
 - 55.3.2. Interconnection at the Embarq End Office
 - 55.3.2.1. Interconnection to Embarq End Office Switch will provide CLEC local interconnection for local service purposes to the Embarq NXX codes served by that end office and any Embarq NXXs served by remotes that subtend those End Offices.

56. INTERCARRIER COMPENSATION

- 56.1. Compensation for Local Traffic Transport and Termination.
 - 56.1.1. The transport and termination charges for Local Traffic flowing through a POI will be as follows:
 - 56.1.1.1. In a mid-span meet arrangement, when calls from CLEC are terminating on Embarq’s network through the Embarq Tandem Switch, CLEC will pay Embarq a charge for Tandem Switching, common transport to the end office, and end-office termination.
 - 56.1.1.2. When the POI is at the Embarq Tandem Switch, CLEC will pay a charge for Tandem Switching, common transport to the end office and end-office termination.
 - 56.1.1.3. Charges billed to Embarq by CLEC for the transport and termination of Local Traffic will be equal to those that Embarq assesses the CLEC for the same services. Where CLEC is interconnected at an Embarq tandem and Embarq delivers its traffic to CLEC directly from an end office, Embarq will pay CLEC end office termination. Where CLEC is interconnected at an Embarq tandem and Embarq delivers its traffic to CLEC from the tandem and the CLEC switch serves a geographical area greater than or equal to the area served by the Embarq tandem, Embarq will pay CLEC for Tandem Switching, common transport, and end-office termination. If the CLEC switch serves a geographical area less than the area served by the Embarq tandem, Embarq

will pay CLEC end-office termination.

56.1.1.4. To validate the geographic area CLEC must provide documentation supporting the following:

56.1.1.4.1.1. that CLEC's switch serves a geographic area that is roughly the same size as the area served by the Embarq Tandem Switch;

56.1.1.4.1.2. that CLEC has obtained NPA/NXX codes to serve the exchanges within the geographic area; and,

56.1.1.4.1.3. that CLEC is serving the area using its own switch with its own facilities or a combination of its own facilities and leased facilities connected to its collocation arrangements.

56.1.1.5. Where direct end office trunks are established, for CLEC-originated calls, CLEC will pay Embarq end-office termination. For Embarq originated traffic terminating to CLEC at that end office, compensation payable by Embarq will be the same as that detailed in Section 56.1.1.3 above.

56.2. Based on the known traffic volumes and network arrangements of the Parties, The Parties agree to "Bill and Keep" for mutual reciprocal compensation for the termination of Local Traffic on the network of one Party which originates on the network of the other Party. Under Bill and Keep, each Party retains the revenues it receives from end user customers, and neither Party pays the other Party for terminating the Local Traffic which is subject to the Bill and Keep compensation mechanism. The Bill and Keep arrangement is subject to the following conditions:

56.2.1. Bill and Keep is only applicable if terminating traffic between the Parties is balanced within 10 percent.

56.2.2. Either Party can cancel the Bill and Keep compensation arrangement when traffic volumes require the installation of more than 24 one-way trunks or when the usage is out of balance by more than 10%. Formal notification of the cancellation must be provided in writing 90 days prior to the Effective Date. Notwithstanding anything in this Agreement to the contrary, the Parties may continue the Bill and Keep compensation arrangement by mutual agreement.

56.2.3. If either Party does deliver such written notice, the Parties will follow the terms of this Agreement under Section 56.1, using the following rates:

End Office - per MOU	\$0.002721
Tandem Switching - per MOU	\$0.003079
Shared Transport - per MOU	\$0.001207

- 56.2.4. Bill and Keep does not apply to local traffic originated by the CLEC, transiting Embarq's network, and terminated by a third party in which case applicable transit charges will apply. Embarq will not assume transport and termination liabilities on behalf of the calls originated by the CLEC.
- 56.2.5. ISP-Bound Traffic will be exchanged on a "Bill and Keep" basis. Under Bill and Keep, each Party retains the revenues it receives from end user customer, and neither Party pays the other Party for terminating the ISP-Bound Traffic.
- 56.2.6. Traffic delivered to a Party that exceeds a 3:1 ratio of terminating to originating traffic is presumed to be ISP-Bound Traffic. This presumption may be rebutted by either Party consistent with the provisions of the FCC's *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").
- 56.3. Compensation for the termination of toll traffic and the origination of 800 traffic between the interconnecting parties will 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. If CLEC is acting as an IXC and a competitive local exchange carrier, CLEC must have a unique CIC for each type of service order. Specifically, CLEC must have two CICs, one that is used for ordering IXC facilities for interexchange toll traffic and one that is used to order facilities for local exchange traffic.
- 56.4. Calls terminated to end users physically located outside the local calling area in which their NPA/NXXs are homed (Virtual NXXs), are not local calls for purposes of intercarrier compensation and access charges will apply. For Embarq-originated traffic terminated to CLEC's Virtual NXXs, Embarq will not be obligated to pay reciprocal compensation for such traffic.
- 56.5. Voice calls that are transmitted, in whole or in part, via the public Internet or a private IP network (VoIP) will be compensated in the same manner as voice traffic (e.g. reciprocal compensation, interstate access and intrastate access).
- 56.6. A call placed on a non-local basis (e.g., a toll call or 8yy call) to an ISP will not be treated as ISP-Bound Traffic for compensation purposes. To the extent such "non-Local" ISP calls are placed, the rates, terms and conditions for IntraLATA and/or InterLATA calling will apply, including but not limited to rating and routing according to the terminating parties' Exchange Access intrastate and/or interstate tariffs.
- 56.7. CLEC will identify the Percent Local Usage (PLU) factor on each interconnection order to identify its "Local Traffic," as defined herein, for reciprocal compensation purposes. Embarq may request CLEC's traffic study documentation of the PLU at any time to verify the factor, and may compare the documentation to studies developed by Embarq. If the documentation indicates that the factor should be changed by Embarq; any changes will be retroactive to traffic for the previous two years. If the documentation indicates it is warranted, such change in the factor may be back to the effective date of the Agreement. For non-local traffic, the Parties will exchange traffic and compensate one another based on the rates and elements included in each Party's access tariffs. CLEC will transmit calling party number (CPN) as required by FCC rules (47 C.F.R. 64.1601).
- 56.7.1. To the extent technically feasible, each Party will transmit a calling party number (CPN) for each call being terminated on the other's network. If the percentage of calls transmitted with CPN is greater than ninety percent (90%), all calls exchanged without CPN will be billed as local or intrastate in proportion to the MOUs of calls exchanged with CPN. If the percentage of calls transmitted with CPN is less than ninety percent (90%), all calls transmitted without CPN will be billed at intrastate access rates.

- 56.8. To the extent Embarq identifies, either through its own recording capabilities or through call detail records provided by another carrier, Local Traffic that is originated by CLEC and terminated indirectly to Embarq through an intermediary carrier (transit carrier), Embarq will bill CLEC terminating compensation according to Section 55. In addition, CLEC will reimburse Embarq for any transit charges billed by the intermediary carrier for Local Traffic or ISP-bound Traffic originated by Embarq.

57. SIGNALING NETWORK INTERCONNECTION

- 57.1. Embarq will offer interconnection to its signaling transfer points (STPs) for CLEC switches which connect to Embarq's STPs via "A" links or for CLEC's "B" or "D" links which are dedicated to the transport of signaling for local interconnection.
- 57.2. 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 will be adhered to.
- 57.3. Standard interconnection facilities will be Extended Superframe (ESF) with B8ZS line code. Where ESF/B8ZS is not available, CLEC will use other interconnection protocols on an interim basis until the standard ESF/B8ZS is available. Embarq will provide anticipated dates of availability for those areas not currently ESF/B8ZS compatible.
- 57.4. Where CLEC is unwilling to utilize an alternate interconnection protocol, CLEC will provide Embarq 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 CLEC and Embarq. 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, CLEC, or Embarq internal customer demand for 64K CCC trunks.
- 57.5. Signaling Systems
- 57.5.1. Signaling Link Transport
- 57.5.1.1. Signaling Link Transport is a set of two or four dedicated 56 Kbps transmission paths between CLEC-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity and a cross connect at an Embarq STP site.
- 57.5.1.2. Technical Requirements. Signaling Link transport will consist of full duplex mode 56 Kbps transmission paths.
- 57.5.2. Signaling Transfer Points (STPs)
- 57.5.2.1. STPs provide functionality that enables the exchange of SS7 messages among and between switching elements, databases and third party signaling transfer points.
- 57.6. Technical Requirements. STPs provide interconnection to the functions of signaling networks or to third party SS7 networks connected to the Embarq SS7 network. These functions include:
- 57.6.1. Embarq local switching or Tandem Switching;
- 57.6.2. Embarq Service Control Points (SCPs)/Databases if arranged for under separate agreements;

- 57.6.3. Third-party local or Tandem Switching systems subject to any additional conditions or terms of the Third Party and
- 57.6.4. Third party provider STPs subject to any additional conditions or terms of the Third Party.
- 57.7. Interface Requirements. Embarq will provide the following STP options to connect CLEC or CLEC-designated local switching systems or STPs to the Embarq SS7 network:
 - 57.7.1. An A-link interface from CLEC local switching systems; and
 - 57.7.2. B- or D-link interface from CLEC STPs.
 - 57.7.3. Each type of interface will be provided by one or more sets (layers) of signaling links, as follows:
 - 57.7.3.1. An A-link layer will consist of two links,
 - 57.7.3.2. A B- or D-link layer will consist of four links,
- 57.8. Signaling Point of Interconnection (SPOI) for each link will be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the Embarq STP is located. Interface to Embarq's STP will be the 56kb rate. The 56kb rate can be part of a larger facility, and CLEC will pay multiplexing/demultiplexing and channel termination, plus mileage of any leased facility.

58. TRUNK FORECASTING

- 58.1. CLEC will 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. Embarq will 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 CLEC to Embarq 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 will project trunk gain/loss on a monthly basis for the forecast period, and will include:
 - 58.1.1. 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);
 - 58.1.2. The use of Common Language Location Identifier (CLLI-MSG), which are described in Telcordia documents BR 795-100-100 and BR 795-400-100;
 - 58.1.3. 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 CLEC that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.
 - 58.1.4. Parties will meet to review and reconcile the forecasts if forecasts vary significantly.
- 58.2. CLEC will provide an updated trunk forecast when ordering or requesting additional trunks from Embarq anytime after the initial trunk implementation.
- 58.3. Each Party will provide a specified point of contact for planning forecasting and trunk servicing purposes.
- 58.4. 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 DS-0, DS-1, DS-3/OC-3 level, or higher, as agreed upon by CLEC and Embarq.

- 58.5. 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 will be maintained. If the Parties engineer facilities at the higher forecast, then the Parties will abide by the following:
- 58.5.1. In the event that CLEC over-forecasts its trunking requirements by twenty percent (20%) or more, and Embarq acts upon this forecast to its detriment, Embarq may recoup any actual and reasonable expense it incurs.
 - 58.5.2. The calculation of the twenty percent (20%) over-forecast will be based on the number of DS-1 equivalents for the total traffic volume to Embarq.
 - 58.5.3. 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.
- 58.6. 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 CLEC end office and an Embarq access Tandem carrying meet point traffic will 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%).
- 58.7. Trunk Servicing. Orders between the Parties to establish, add, change or disconnect trunks will be processed by use of an ASR, RASR or other industry standard format as specified by Embarq for trunk ordering.

59. NETWORK MANAGEMENT

- 59.1. 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. CLEC and Embarq will immediately notify each other of any protective control action planned or executed.
- 59.2. 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.
- 59.3. Mass Calling. CLEC and Embarq will 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.

60. USAGE MEASUREMENT

- 60.1. Each Party will 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 will provide the measuring mechanism or the Parties will otherwise agree on an alternate arrangement.
- 60.2. Measurement of minutes of use over Local Interconnection trunk groups will 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 will provide to the other, the PLU of the traffic terminated to each other over the Local Interconnection trunk groups.

60.3.1. The Parties will 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 new PLU will be implemented retroactively to the Effective Date of the contract.

61. RESPONSIBILITIES OF THE PARTIES

- 61.1. Embarq and CLEC 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. CLEC and Embarq will share responsibility for all Control Office functions for Local Interconnection Trunks and Trunk Groups, and both parties will share the overall coordination, installation, and maintenance responsibilities for these trunks and trunk groups.

- 61.3. CLEC and Embarq will:

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/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. LNP TERMS AND CONDITIONS

- 62.1. Upon implementation of LNP, the Parties will provide such 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 will 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 will 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. When an NXX is defined as portable, it will 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 will port along with the active numbers being ported by the end user.
 - 62.3.3. NXX Availability. Not all NXXs in each CO may be available for porting.
 - 62.3.4. LERG Reassignment. Portability for an entire NXX will be provided by utilizing reassignment of the NXX to CLEC through the LERG.
 - 62.3.5. Coordination of service order work outside normal business hours (8:00AM to 5:00PM) will 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. NETWORK TESTING

- 63.1. An Interconnection Agreement (or Memorandum of Understanding, or Porting Agreement) detailing conditions for LNP must be in effect between the Parties prior to testing.
- 63.2. Testing and operational issues will be addressed in the implementation plans as described in Section 33.
- 63.3. CLEC must be NPAC certified and have met Embarq testing parameters prior to activating LNP. After initial LNP implementation by a CLEC/CMRS provider testing and porting will be done at CLEC's expense.
- 63.4. 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.
- 63.5. Parties will cooperate in testing performed to ensure interconnectivity between systems. All LNP

providers will notify each connected provider of any system updates that may affect the CLEC or Embarq network. Each LNP provider will, 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. NETWORK 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 will 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 will 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 for correct routing, and providing accurate information to the PSAP call centers.
- 65.2. Prior to implementation of LNP, the Parties will develop, implement, and maintain efficient methods to maintain 911 database integrity when a subscriber ports to another service provider. The customer will not be dropped from the 911 database during the transition.

66. BILLING FOR PORTED NUMBERS

- 66.1. When an IXC 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 Party to which the number has been ported will 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 which the number has been ported will 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. Customers lose the right to the ported telephone number upon suspension of service. Embarq will not port telephone numbers of customers whose service has been suspended.

PART H – NON-251 SERVICES

67. CALL-RELATED DATABASES

- 67.1. Embarq will offer access to call-related databases (non-251 services), including, but not limited to, Toll Free Calling database, Number Portability database, and Calling Name (CNAM) database. Embarq reserves the right to decline to offer access to certain AIN software that qualifies for proprietary treatment. The rates for access to these call-related databases are set forth on Table One.
- 67.1.1. The CNAM database is a transaction-oriented database accessible via the CCS network. CNAM provides the calling parties' name to be delivered and displayed to the terminating caller with 'Caller ID with Name'. Use of Embarq's CNAM Database by CLEC and CLEC's customers is limited to obtaining CNAM responses and using the information contained in those responses only on a call by call basis and only to support service related to a call in progress. CLEC will not capture, cache, or store any information contained in a CNAM response.
- 67.1.2. The Toll Free Number Database provides functionality necessary for toll free (e.g., 800 and 888) number services by providing routing information and additional vertical features (i.e., time of day routing by location, by carrier and routing to multiple geographic locations) during call setup in response to queries from CLEC's switch. Use of Embarq's Toll Free Database by CLEC and its customers is limited to obtaining information, on a call-by-call basis, for proper routing of calls in the provision of toll free exchange access service or local toll free service.
- 67.1.3. Local Number Portability Local Routing Query Service. TCAP messages originated by CLEC's SSPs and received by Embarq's database will be provided a response upon completion of a database lookup to determine the LRN. This information will be populated in industry standard format and returned to CLEC so that it can then terminate the call in progress to the telephone number now residing in the switch designated by the LRN.
- 67.1.3.1. CLEC agrees to obtain, prior to the initiation of any LNP query, a NPAC/SMS User Agreement with Neustar. CLEC will maintain the NPAC/SMS User Agreement with Neustar, or its successor, as long as it continues to make LNP queries to the Embarq database. Failure to obtain and maintain the NPAC/SMS User Agreement is considered a breach of this Agreement and is cause for immediate termination of service. Embarq will not be liable for any direct or consequential damages due to termination because of lack of a NPAC/SMS User Agreement.
- 67.1.3.2. Embarq's LNP Database service offering does not include the cost of any charges or assessments by Number Portability Administrative Centers, whether under the NPAC/SMS User Agreement with Lockheed, or otherwise, or any charges assessed directly against CLEC as the result of the FCC LNP Orders or otherwise by any third-party. These costs include the costs assessed against telecommunications carriers to pay for NPAC functions as permitted by the FCC and applicable legal or regulatory bodies. Embarq will have no liability to CLEC or the NPAC for any of these fees or charges applicable to CLEC, even though it may pay such charges for other Embarq companies.

68. TRANSIT TRAFFIC

- 68.1. Transit Service (non-251 service) means the delivery of Transit Traffic, i.e. Local Traffic or ISP-Bound Traffic originated by CLEC terminated to a third party LEC, ILEC, or CMRS provider or

originated by a third party and terminated to CLEC using Embarq's tandem switch over the local/IntraLATA interconnection trunks.

- 68.2. To the extent network and contractual arrangements exist with all necessary parties throughout the term of this Agreement, and where indirectly interconnected parties have an interconnection to the same Embarq tandem, Embarq will provide Transit Services for CLEC's connection of its end user to a local end user of: (1) CLECs, (2) an ILEC other than Embarq, and (3) other CMRS carriers.
- 68.3. Embarq may require separate trunking for the delivery of such Transit Traffic in order to accurately measure and bill it.
- 68.4. Terms and Conditions
 - 68.4.1. Each Party acknowledges that a third-party LEC may block transit traffic. To the extent the originated Party's traffic is blocked by a third party, Embarq will have no obligation to resolve the dispute. CLEC acknowledges that Embarq does not have any responsibility to pay any third-party Telecommunications Carrier charges for termination of any identifiable Transit Traffic from the originating Party. Each Party acknowledges that it is the originating Party's responsibility to enter into arrangements with each third party LEC, CLEC, or CMRS provider for the exchange of transit traffic to that third party.
 - 68.4.2. Notwithstanding any other provision to the contrary, once the Transit Traffic volume between CLEC and a third party exceeds a DS1 equivalent of traffic, Embarq will no longer provide transit service and CLEC must establish a direct interconnection with the third party for the exchange of such traffic. Within sixty (60) Days of when traffic exceeds this threshold, CLEC will establish a direct interconnection with such third party. After sixty (60) Days, if CLEC has not established a direct interconnection and if CLEC is exercising its best efforts to implement a direct connection with such third party, Embarq will continue to transit the traffic. If Embarq disagrees that CLEC is using its best efforts to implement a direct connection, Embarq may seek relief pursuant to the Dispute Resolution provisions.
- 68.5. Payment Terms and Conditions
 - 68.5.1. The originating Party will pay to Embarq a transit service charge as set forth in Table One.
 - 68.5.2. CLEC will pay a transit rate as set forth in Table One when CLEC uses an Embarq access tandem to terminate a local or ISP-bound call to a third party LEC, CLEC or CMRS provider. CLEC may be required to compensate Embarq for transit charges for traffic originated by an ILEC, transited by Embarq and terminated to CLEC.
- 68.6. Billing Records and Exchange of Data
 - 68.6.1. The Parties will use their best efforts to convert all networks transporting transit traffic to deliver each call to the other Party's network with SS7 Common Channel Interoffice Signaling (CCIS) and other appropriate TCAP messages in order to facilitate full interoperability and billing functions. The calls will be sent with all message indicators, including originating telephone number, local routing number and CIC.
 - 68.6.2. Upon request by the terminating Party and to the extent possible, Embarq agrees to provide the terminating Party information on traffic originated by a third party CLECs or CMRS provider. To the extent Embarq incurs additional cost in providing this billing information, CLEC agrees to reimburse Embarq for its direct costs of providing this information.

- 68.6.3. To the extent that the industry adopts a standard record format for recording originating and/or terminating transit calls, the Parties will comply with the industry-adopted format to exchange records.

PART I - GENERAL BUSINESS REQUIREMENTS

69. PROCEDURES

69.1. Contact with End Users

- 69.1.1. Each Party at all times will be the primary contact and account control for all interactions with its end users, except as specified by that Party. Subscribers include active end users as well as those for whom service orders are pending.
- 69.1.2. Each Party will ensure that any of its personnel who may receive end user inquiries, or otherwise have opportunity for end user contact from the other Party's end user regarding the other Party's services: (i) provide appropriate referrals to subscribers who inquire about the other Party's services or products; (ii) do not in any way disparage or discriminate against the other Party, or its products or services; and (iii) do not provide information about its products or services during that same inquiry or end user contact.
- 69.1.3. Embarq will not use CLEC's request for end user information, order submission, or any other aspect of CLEC's processes or services to aid Embarq's marketing or sales efforts.

69.2. Expedite and Escalation Procedures

- 69.2.1. Embarq and CLEC will develop mutually acceptable escalation and expedite procedures which may be invoked at any point in the Service Ordering, Provisioning, Maintenance, and Subscriber Usage Data transfer processes to facilitate rapid and timely resolution of disputes. In addition, Embarq and CLEC will establish intercompany contacts lists for purposes of handling end user and other matters which require attention/resolution outside of normal business procedures within thirty (30) Days after CLEC's request. Each Party will notify the other Party of any changes to its escalation contact list as soon as practicable before such changes are effective.
- 69.2.2. No later than thirty (30) Days after CLEC's request Embarq will provide CLEC with contingency plans for those cases in which normal Service Ordering, Provisioning, Maintenance, Billing, and other procedures for Embarq's unbundled Network Elements, features, functions, and resale services are inoperable.

- 69.3. Subscriber of Record. Embarq will recognize CLEC as the Subscriber of Record for all Network Elements or services for resale ordered by CLEC and will send all notices, invoices, and information which pertain to such ordered services directly to CLEC. CLEC will provide Embarq with addresses to which Embarq will send all such notices, invoices, and information.

69.4. Service Offerings

- 69.4.1. Embarq will provide CLEC with access to new services, features and functions concurrent with Embarq's notice to CLEC of such changes, if such service, feature or function is installed and available in the network or as soon thereafter as it is installed and available in the network, so that CLEC may conduct market testing.
- 69.4.2. Essential Services. For purposes of service restoration, Embarq will designate a CLEC access line as an Essential Service Line (ESL) at Parity with Embarq's treatment of its own end users and applicable state law or regulation, if any.
- 69.4.3. Blocking Services. Upon request from CLEC, employing Embarq-approved LSR documentation, Embarq will provide blocking of 700, 900, and 976 services, or other services of similar type as may now exist or be developed in the future, and will provide Billed Number Screening (BNS), including required LIDB updates, or equivalent service for blocking completion of bill-to-third party and collect calls, on a line, PBX, or

individual service basis. Blocking will be provided to the extent (a) it is an available option for the Telecommunications Service resold by CLEC, or (b) it is technically feasible when requested by CLEC as a function of unbundled Network Elements.

- 69.4.4. Training Support. Embarq will provide training, on a non-discriminatory basis, for all Embarq employees who may communicate, either by telephone or face-to-face, with CLEC end users. Such training will include compliance with the branding requirements of this Agreement including without limitation provisions of forms, and unbranded "Not at Home" notices.

70. ORDERING AND PROVISIONING

- 70.1. Ordering and Provisioning Parity. Embarq will provide necessary ordering and provisioning business process support as well as those technical and systems interfaces as may be required to enable CLEC to provide the same level and quality of service for all resale services, functions, features, capabilities and unbundled Network Elements at Parity.
- 70.2. National Exchange Access Center (NEAC)
 - 70.2.1. Embarq will provide a NEAC or equivalent which will serve as CLEC's point of contact for all activities involved in the ordering and provisioning of Embarq's unbundled Network Elements, features, functions, and resale services.
 - 70.2.2. The NEAC will provide to CLEC a nationwide telephone number (available from 6:00 a.m. to 8:00 p.m. Eastern Standard Time, Monday through Friday, and 8:00 am through 5:00 P.M. Eastern Standard Time on Saturday) answered by competent, knowledgeable personnel trained to answer questions and resolve problems in connection with the ordering and provisioning of unbundled Network Elements (except those associated with local trunking interconnection), features, functions, capabilities, and resale services.
 - 70.2.3. Embarq will provide, as requested by CLEC, through the NEAC, provisioning and premises visit installation support in the form of coordinated scheduling, status, and dispatch capabilities during Embarq's standard business hours and at other times as agreed upon by the parties to meet end user demand.
- 70.3. CLASS and Custom Features. Where generally available in Embarq's serving area, CLEC, at the tariff rate, may order the entire set of CLASS, CENTREX and Custom features and functions, or a subset of any one of such features.
- 70.4. Number Administration/Number Reservation
 - 70.4.1. Embarq will provide testing and loading of CLEC's NXX on the same basis as Embarq provides itself or its affiliates. Further, Embarq will provide CLEC with access to abbreviated dialing codes, and the ability to obtain telephone numbers, including vanity numbers, while a subscriber is on the phone with CLEC. When CLEC uses numbers from an Embarq NXX, Embarq will provide the same range of number choices to CLEC, including choice of exchange number, as Embarq provides its own subscribers. Reservation and aging of Embarq NXX's will remain Embarq's responsibility.
 - 70.4.2. In conjunction with an order for service, Embarq will accept CLEC orders for vanity numbers and blocks of numbers for use with complex services including, but not limited to, DID, CENTREX, and Hunting arrangements, as requested by CLEC.
 - 70.4.3. For simple services number reservations and aging of Embarq's numbers, Embarq will provide real-time confirmation of the number reservation when the Electronic Interface has been implemented. For number reservations associated with complex services, Embarq will provide confirmation of the number reservation within twenty-four (24) hours of CLEC's request. Consistent with the manner in which Embarq provides

numbers to its own subscribers, no telephone number assignment is guaranteed until service has been installed.

70.5. Service Order Process Requirements

70.5.1. Service Migrations and New Subscriber Additions

- 70.5.1.1. For resale services, other than for a CLEC order to convert “as is” a CLEC subscriber, Embarq will not disconnect any subscriber service or existing features at any time during the migration of that subscriber to CLEC service without prior CLEC agreement.
- 70.5.1.2. For services provided through UNEs, Embarq will recognize CLEC as an agent, in accordance with OBF developed processes, for the subscriber in coordinating the disconnection of services provided by another CLEC or Embarq. In addition, Embarq and CLEC will work cooperatively to minimize service interruptions during the conversion.
- 70.5.1.3. Unless otherwise directed by CLEC and when technically capable, when CLEC orders resale Telecommunications Services all trunk or telephone numbers currently associated with existing services will be retained without loss of feature capability and without loss of associated ancillary services including, but not limited to, Directory Assistance and 911/E911 capability.
- 70.5.1.4. For subscriber conversions requiring coordinated cut-over activities, on a per order basis, Embarq, to the extent resources are readily available, and CLEC will agree on a scheduled conversion time, which will be a designated time period within a designated date.
- 70.5.1.5. Any request made by CLEC to coordinate conversions after normal working hours, or on Saturdays or Sundays or Embarq holidays will be performed at CLEC’s expense.
- 70.5.1.6. A general Letter of Agency (LOA) initiated by CLEC or Embarq will be required to process a PLC or PIC change order. Providing the LOA, or a copy of the LOA, signed by the end user will not be required to process a PLC or PIC change ordered by CLEC or Embarq. CLEC and Embarq agree that PLC and PIC change orders will be supported with appropriate documentation and verification as required by FCC and Commission rules. In the event of a subscriber complaint of an unauthorized PLC record change where the Party that ordered such change is unable to produce appropriate documentation and verification as required by FCC and Commission rules (or, if there are no rules applicable to PLC record changes, then such rules as are applicable to changes in long distance carriers of record), such Party will be liable to pay and will pay all nonrecurring and/or other charges associated with reestablishing the subscriber’s local service with the original local carrier.

70.5.2. Intercept Treatment and Transfer Service Announcements. Embarq will provide unbranded intercept treatment and transfer of service announcements to CLEC’s subscribers. Embarq will provide such treatment and transfer of service announcement in accordance with local tariffs and as provided to similarly situated Embarq subscribers for all service disconnects, suspensions, or transfers.

70.5.3. Due Date

- 70.5.3.1. Embarq will supply CLEC with due date intervals to be used by CLEC personnel to determine service installation dates.

- 70.5.3.2. Embarq will use reasonable efforts to complete orders by the CLEC requested DDD within agreed upon intervals.
- 70.5.4. Subscriber Premises Inspections and Installations
 - 70.5.4.1. CLEC will perform or contract for all CLEC's needs assessments, including equipment and installation requirements required beyond the Demarcation/NID, located at the subscriber premises.
 - 70.5.4.2. Embarq will provide CLEC with the ability to schedule subscriber premises installations at the same morning and evening commitment level of service offered Embarq's own customers. The Parties will mutually agree on an interim process to provide this functionality during the implementation planning process.
- 70.5.5. Firm Order Confirmation (FOC)
 - 70.5.5.1. Embarq will provide to CLEC, a Firm Order Confirmation (FOC) for each CLEC order. The FOC will contain the appropriate data elements as defined by the OBF standards.
 - 70.5.5.2. For a revised FOC, Embarq will provide standard detail as defined by the OBF standards.
 - 70.5.5.3. Embarq will provide to CLEC the date that service is scheduled to be installed.
- 70.5.6. Order Rejections
 - 70.5.6.1. Embarq will reject and return to CLEC any order that Embarq cannot provision, due to technical reasons, missing information, or jeopardy conditions resulting from CLEC ordering service at less than the standard order interval. When an order is rejected, Embarq will, in its reject notification, specifically describe all of the reasons for which the order was rejected. Embarq will reject any orders on account of the customer Desired Due Date conflicts with published Embarq order provisioning interval requirements.
- 70.5.7. Service Order Changes
 - 70.5.7.1. In no event will Embarq change a CLEC initiated service order without a new service order directing said change. If an installation or other CLEC ordered work requires a change from the original CLEC service order in any manner, CLEC will initiate a revised service order. If requested by CLEC, Embarq will then provide CLEC an estimate of additional labor hours and/or materials.
 - 70.5.7.2. When a service order is completed, the cost of the work performed will be reported promptly to CLEC.
 - 70.5.7.3. If a CLEC subscriber requests a service change at the time of installation or other work being performed by Embarq on behalf of CLEC, Embarq, while at the subscriber premises, will direct the CLEC subscriber to contact CLEC, and CLEC will initiate a new service order.
- 70.6. Network Testing. Embarq will perform all its standard pre-service testing prior to the completion of the service order.
- 70.7. Service Suspensions/Restorations. Upon CLEC's request through an Industry Standard, OBF,

Suspend/Restore Order, or mutually agreed upon interim procedure, Embarq will suspend or restore the functionality of any Network Element, feature, function, or resale service to which suspend/restore is applicable. Embarq will provide restoration priority on a per network element basis in a manner that conforms to any applicable regulatory Rules and Regulations or government requirements.

70.8. Order Completion Notification. Upon completion of the requests submitted by CLEC, Embarq will provide to CLEC a completion notification in an industry standard, OBF, or in a mutually agreed format. The completion notification will include detail of the work performed, to the extent this is defined within OBF guidelines, and in an interim method until such standards are defined.

70.9. Specific Unbundling Requirements. CLEC may order and Embarq will provision unbundled Network Elements. However, it is CLEC's responsibility to combine the individual network elements where CLEC desires to do so.

70.10. Systems Interfaces and Information Exchanges

70.10.1. General Requirements

70.10.1.1. Embarq will provide to CLEC Electronic Interface(s) for transferring and receiving information and executing transactions for all business functions directly or indirectly related to Service Ordering and Provisioning of Network Elements, features, functions and Telecommunications Services, to the extent available.

70.10.1.2. Until the Electronic Interface is available, Embarq agrees that the NEAC or similar function will accept CLEC orders. Orders will be transmitted to the NEAC via an interface or method agreed upon by CLEC and Embarq.

70.10.1.3. If the method of connectivity is File Transfer Protocol (FTP), the response(s) will be loaded to the server every hour and it is the responsibility of CLEC to retrieve their response(s) from the server.

70.10.1.4. It is the responsibility of CLEC to provide Embarq with the LOA (Letter of Authorization) when another party is involved and is working on their behalf.

70.10.2. For any CLEC subscriber Embarq will provide, subject to applicable rules, orders, and decisions, CLEC with access CPNI without requiring CLEC to produce a signed LOA, based on CLEC's blanket representation that subscriber has authorized CLEC to obtain such CPNI.

70.10.2.1. The preordering Electronic Interface includes the provisioning of CPNI from Embarq to CLEC. The Parties will execute a LOA agreement with the Embarq end user prior to requesting CPNI for that Embarq end user, and to request end user CPNI only when the end user has specifically given permission to receive CPNI. The Parties will conform to FCC and/or state regulations regarding the provisioning of CPNI between the Parties, and regarding the use of that information by the requesting Party.

70.10.2.2. The requesting Party will document end user permission obtained to receive CPNI, whether or not the end user has agreed to change local service providers. For end users changing service from one Party to the other, specific end user LOAs may be requested by the Party receiving CPNI requests to investigate possible slamming incidents, and for other reasons agreed to by the Parties.

70.10.2.3. The receiving Party may also request documentation of an LOA if CPNI is

requested and a subsequent service order for the change of local service is not received. On a schedule to be determined by Embarq, Embarq will perform a comparison of requests for CPNI to service orders received for the change of Local Service to CLEC. Embarq will produce a report of unmatched requests for CPNI, and may require an LOA from CLEC for each unmatched request. CLEC agrees to provide evidence of end user permission for receipt of CPNI for all end users in the request by Embarq within three (3) Business Days of receipt of a request from Embarq. If Embarq determines that there has been a substantial percentage of unmatched LOA requests, Embarq reserves the right to immediately disconnect the preordering Electronic Interface.

70.10.2.4. If CLEC is not able to provide the LOA for ninety-five percent (95%) of the end users requested by Embarq, or if Embarq determines that an LOA is inadequate, CLEC will be considered in breach of the agreement. CLEC can cure the breach by submitting to Embarq evidence of an LOA for each inadequate or omitted LOA within three (3) Business Days of notification of the breach.

70.10.2.5. In the event CLEC is not able to cure the breach in the timeframe noted above, Embarq will discontinue processing new service orders until, in Embarq's determination, CLEC has corrected the problem that caused the breach.

70.10.2.6. Embarq will resume processing new service orders upon Embarq's timely review and acceptance of evidence provided by CLEC to correct the problem that caused the breach.

70.10.2.7. If CLEC and Embarq do not agree that CLEC requested CPNI for a specific end user, or that Embarq has erred in not accepting proof of an LOA, the Parties may immediately request Dispute Resolution in accordance with Part B. Embarq will not disconnect the preordering Electronic Interface during the Alternate Dispute Resolution process.

70.11. CLEC may use Embarq's ordering process (IRES) to:

70.11.1. assign telephone number(s) (if the subscriber does not already have a telephone number or requests a change of telephone number) at Parity;

70.11.2. schedule dispatch and installation appointments at Parity;

70.11.3. access Embarq subscriber information systems which will allow CLEC to determine if a service call is needed to install the line or service at Parity;

70.11.4. access Embarq information systems which will allow CLEC to provide service availability dates at Parity; and

70.11.5. transmit status information on service orders, including acknowledgement, firm order confirmation, and completion at Parity.

70.12. Standards

70.12.1. General Requirements. CLEC and Embarq will agree upon the appropriate ordering and provisioning codes to be used for UNEs. These codes will apply to all aspects of the unbundling of that element and will be known as data elements as defined by the Telecommunications Industry Forum Electronic Data Interchange Service Order Subcommittee (TCIF-EDI-SOSC).

71. BILLING

- 71.1. Embarq will comply with various industry, OBF, and other standards referred to throughout this Agreement. Embarq will review any changes to industry standards, and implement the changes within the industry-defined window. Embarq will notify CLEC of any deviations to the standards.
- 71.2. Embarq will bill CLEC for each service supplied by Embarq to CLEC pursuant to this Agreement at the rates set forth in this Agreement.
- 71.3. Embarq will provide to CLEC a single point of contact for interconnection and collocation at the National Access Service Center (NASC), and Network Elements and resale at Embarq's NEAC, to handle any Connectivity Billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Agreement.
- 71.4. Embarq will 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.
- 71.5. Subject to the terms of this Agreement, CLEC will pay Embarq within thirty (30) Days from the Bill Date. If the payment due date is a Saturday, Sunday or has been designated a bank holiday payment will be made the next Business Day.
- 71.6. Billed amounts for which written, itemized disputes or claims have been filed will be handled in accordance with the Dispute Resolution procedures set forth in Part B of this Agreement.
- 71.7. Embarq will assess late payment charges to CLEC in accordance with Section 7.4 of this Agreement.
- 71.8. Embarq will credit CLEC 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 Embarq. Such reimbursements will be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards.
- 71.9. Where Parties have established interconnection, Embarq and the CLEC 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. Embarq will provide CLEC the appropriate records to bill exchange access charges to the IXC. Embarq will capture EMI records for inward terminating calls and send them to CLEC, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom). Upon Embarq's request, CLEC will provide Embarq the appropriate records to bill exchange access charges to the IXC. CLEC will capture EMI records for inward terminating calls and send them to Embarq, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom).
- 71.10. Embarq will bill CLEC for message provisioning and, if applicable, data tape charges related to exchange access records. Embarq will bill CLEC for the records at the rates on Table One. If CLEC requests additional copies of the monthly invoice, Embarq may also bill CLEC for the additional copies.
- 71.11. Revenue Protection. Embarq will make available to CLEC, at Parity with what Embarq provides to itself, its Affiliates and other local telecommunications CLECs, 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. Embarq will, 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.

72. PROVISION OF USAGE DATA

- 72.1. This Section sets forth the terms and conditions for Embarq's provision of Recorded Usage Data (as defined in this Part) to CLEC and for information exchange regarding long distance and access billing. Call information for interconnection will be recorded in accordance with this Section. To the extent technically feasible, each Party will record all call detail information associated with completed calls originated by or terminated to the other Party's local exchange subscriber, and long distance calls transited through one Party's network to the terminating provider. Embarq will record for CLEC the messages that Embarq records for and bills to its end users and records for billing of interexchange carriers. These records will be provided at a Party's request and will be formatted pursuant to Telcordia's EMI standards and the terms and conditions of this Agreement. These records will be transmitted to the other Party on Business Days in EMI format via CDN, or provided on a cartridge. Embarq and CLEC agree that they will retain, at each Party's sole expense, copies of all EMI records transmitted to the other Party for at least forty-five (45) Days after transmission to the other Party.
- 72.2. General Procedures
- 72.2.1. Embarq will comply with various industry and OBF standards referred to throughout this Agreement.
- 72.2.2. Embarq will comply with OBF standards when recording and transmitting Usage Data.
- 72.2.3. Embarq will record all usage originating from CLEC end users using resold services ordered by CLEC, where Embarq records those same services for Embarq end users. Recorded Usage Data includes, but is not limited to, the following categories of information:
- 72.2.3.1. Use of CLASS/LASS/Custom Features that Embarq records and bills for its end users on a per usage basis.
- 72.2.3.2. Calls to Information Providers (IP) reached via Embarq facilities will be provided in accordance with Section 72.2.7
- 72.2.3.3. Calls to Directory Assistance where Embarq provides such service to a CLEC end user.
- 72.2.3.4. Calls completed via an Embarq-provided Operator Services where Embarq provides such service to CLEC's local service end user and where Embarq records such usage for its end users using Industry Standard Telcordia EMI billing records.
- 72.2.3.5. Access records related to long distance calling.
- 72.2.3.6. For Embarq-provided Centrex Service, station level detail.
- 72.2.4. Retention of Records. Embarq will maintain a machine readable back-up copy of the message detail provided to CLEC for a minimum of forty-five (45) Days. During the forty-five (45) Day period, Embarq will provide any data back-up to CLEC upon the request of CLEC. If the forty-five (45) Day period has expired, Embarq may provide the data back-up at CLEC's expense.
- 72.2.5. Embarq will provide to CLEC Recorded Usage Data for CLEC end users. Embarq will not submit other CLEC local usage data as part of the CLEC Recorded Usage Data.
- 72.2.6. Embarq will not bill directly to CLEC subscribers any recurring or non-recurring charges

for CLEC's services to the end user except where explicitly permitted to do so within a written agreement between Embarq and CLEC.

- 72.2.7. Embarq will record 976/N11 calls and transmit them to the IP for billing. Embarq will not bill these calls to either the CLEC or the CLEC's end user.
- 72.2.8. Embarq will provide Recorded Usage Data to CLEC billing locations as agreed to by the Parties.
- 72.2.9. Embarq will provide a single point of contact to respond to CLEC call usage, data error, and record transmission inquiries.
- 72.2.10. Embarq will provide CLEC with a single point of contact and remote identifiers (IDs) for each sending location.
- 72.2.11. CLEC will provide a single point of contact responsible for receiving usage transmitted by Embarq and receiving usage tapes from a courier service in the event of a facility outage.
- 72.2.12. Embarq will bill and CLEC will pay the charges for Recorded Usage Data. Billing and payment will be in accordance with the applicable terms and conditions set forth herein.

72.3. Charges

- 72.3.1. Access services, including revenues associated therewith, provided in connection with the resale of services hereunder will be the responsibility of Embarq and Embarq will directly bill and receive payment on its own behalf from an IXC for access related to interexchange calls generated by resold or rebranded customers.
- 72.3.2. Embarq will be responsible for returning EMI records to IXCs with the proper EMI Return Code along with the Operating Company Number (OCN) of the associated ANI, (i.e., Billing Number).
- 72.3.3. Embarq will deliver a monthly statement for Wholesale Services in the medium (e.g.: NDM, paper, or CD-ROM) requested by CLEC as follows:
 - 72.3.3.1. Invoices will be provided in a standard Carrier Access Billing format or other such format as Embarq may determine;
 - 72.3.3.2. Where local usage charges apply and message detail is created to support available services, the originating local usage at the call detail level in standard EMI industry format will be exchanged daily or at other mutually agreed upon intervals, and CLEC will pay Embarq for providing such call detail;
 - 72.3.3.3. The Parties will work cooperatively to exchange information to facilitate the billing of in and out collect and inter/intra-region alternately billed messages;
 - 72.3.3.4. Embarq agrees to provide information on the end-user's selection of special features where Embarq maintains such information (e.g.: billing method, special language) when CLEC places the order for service;
 - 72.3.3.5. Monthly recurring charges for Telecommunications Services sold pursuant to this Agreement will be billed monthly in advance.
 - 72.3.3.6. Embarq will bill for message provisioning and, if applicable data tape charges, related to the provision of usage records. Embarq will also bill CLEC for additional copies of the monthly invoice.
- 72.3.4. For billing purposes, and except as otherwise specifically agreed to in writing, the

Telecommunications Services provided hereunder are furnished for a minimum term of one month. Each month is presumed to have thirty (30) Days.

72.4. Central Clearinghouse and Settlement

72.4.1. Embarq and CLEC will agree upon Clearinghouse and Incollect/Outcollect procedures.

72.4.2. Embarq will settle with CLEC for both intra-region and inter-region billing exchanges of calling card, bill-to-third party, and collect calls under separately negotiated settlement arrangements.

72.5. Lost Data

72.5.1. Loss of Recorded Usage Data. CLEC Recorded Usage Data determined to have been lost, damaged or destroyed as a result of an error or omission by Embarq in its performance of the recording function will be recovered by Embarq at no charge to CLEC. In the event the data cannot be recovered by Embarq, Embarq will estimate the messages and associated revenue, with assistance from CLEC, based upon the method described below. This method will be applied on a consistent basis, subject to modifications agreed to by Embarq and CLEC. This estimate will be used to adjust amounts CLEC owes Embarq for services Embarq provides in conjunction with the provision of Recorded Usage Data.

72.5.2. Partial Loss. Embarq will review its daily controls to determine if data has been lost. When there has been a partial loss, actual message and minute volumes will be reported, if possible through recovery as discussed in Section 72.5 above. Where actual data are not available, a full day will be estimated for the recording entity, as outlined in the following paragraphs. The amount of the partial loss is then determined by subtracting the data actually recorded for such day from the estimated total for such day.

72.5.3. Complete Loss. When Embarq is unable to recover data as discussed in Section 72.5 above estimated message and minute volumes for each loss consisting of an entire AMA tape or entire data volume due to its loss prior to or during processing, lost after receipt, degaussed before processing, receipt of a blank or unreadable tape, or lost for other causes, will be reported.

72.5.4. Estimated Volumes. From message and minute volume reports for the entity experiencing the loss, Embarq will secure message/minute counts for the four (4) corresponding Days of the weeks preceding that in which the loss occurred and compute an average of these volumes. Embarq will apply the appropriate average revenue per message ("arpm") agreed to by CLEC and Embarq to the estimated message volume for messages for which usage charges apply to the subscriber to arrive at the estimated lost revenue.

72.5.5. If the day of loss is not a holiday but one (1) (or more) of the preceding corresponding Days is a holiday, use additional preceding weeks in order to procure volumes for two (2) non-holidays in the previous two (2) weeks that correspond to the day of the week that is the day of the loss.

72.5.6. If the loss occurs on a weekday that is a holiday (except Christmas and Mother's day), Embarq will use volumes from the two (2) preceding Sundays.

72.5.7. If the loss occurs on Mother's day or Christmas day, Embarq will use volumes from that day in the preceding year multiplied by a growth factor derived from an average of CLEC's most recent three (3) month message volume growth. If a previous year's message volumes are not available, a settlement will be negotiated.

72.6. Testing, Changes and Controls

72.6.1. The Recorded Usage Data, EMI format, content, and transmission process will be tested as agreed upon by CLEC and Embarq.

72.6.2. Control procedures for all usage transferred between Embarq and CLEC will be available for periodic review. This review may be included as part of an Audit of Embarq by CLEC or as part of the normal production interface management function. Breakdowns which impact the flow of usage between Embarq and CLEC must be identified and jointly resolved as they occur. The resolution may include changes to control procedures, so similar problems would be avoided in the future. Any changes to control procedures would need to be mutually agreed upon by CLEC and Embarq.

72.6.3. Embarq Software Changes

72.6.3.1. When Embarq plans to introduce any software changes which impact the format or content structure of the usage data feed to CLEC, designated Embarq personnel will notify CLEC no less than ninety (90) Days before such changes are implemented.

72.6.3.2. Embarq will communicate the projected changes to CLEC's single point of contact so that potential impacts on CLEC processing can be determined.

72.6.3.3. CLEC personnel will review the impact of the change on the entire control structure. CLEC will negotiate any perceived problems with Embarq and will arrange to have the data tested utilizing the modified software if required.

72.6.3.4. If it is necessary for Embarq to request changes in the schedule, content or format of usage data transmitted to CLEC, Embarq will notify CLEC.

72.6.4. CLEC Requested Changes:

72.6.4.1. CLEC may submit a purchase order to negotiate and pay for changes in the content and format of the usage data transmitted by Embarq.

72.6.4.2. When the negotiated changes are to be implemented, CLEC and/or Embarq will arrange for testing of the modified data.

72.7. Information Exchange and Interfaces

72.7.1. Product/Service Specific. Embarq will provide a Telcordia standard 42-50-01 miscellaneous charge record to support the Special Features Star Services if these features are part of Embarq's offering and are provided for Embarq's subscribers on a per usage basis.

72.8. Rejected Recorded Usage Data

72.8.1. Upon agreement between CLEC and Embarq, messages that cannot be rated and/or billed by CLEC may be returned to Embarq via CDN or other medium as agreed by the Parties. Returned messages will be sent directly to Embarq in their original EMI format utilizing standard EMI return codes.

72.8.2. Embarq may correct and resubmit to CLEC any messages returned to Embarq. Embarq will not be liable for any records determined by Embarq to be billable to a CLEC end user. CLEC will not return a message that has been corrected and resubmitted by Embarq. Embarq will only assume liability for errors and unguideables caused by Embarq.

73. GENERAL NETWORK REQUIREMENTS

- 73.1. Embarq will provide repair, maintenance and testing for all resold Telecommunications Services and such UNEs that Embarq is able to test, in accordance with the terms and conditions of this Agreement.
- 73.2. During the term of this Agreement, Embarq will provide necessary maintenance business process support as well as those technical and systems interfaces at Parity. Embarq will provide CLEC with maintenance support at Parity.
- 73.3. Embarq will provide on a regional basis, a point of contact for CLEC to report vital telephone maintenance issues and trouble reports twenty four (24) hours and seven (7) days a week.
- 73.4. Embarq will provide CLEC maintenance dispatch personnel on the same schedule that it provides its own subscribers.
- 73.5. Embarq will cooperate with CLEC to meet maintenance standards for all Telecommunications Services and unbundled network elements ordered under this Agreement. Such maintenance standards will include, without limitation, standards for testing, network management, call gapping, and notification of upgrades as they become available.
- 73.6. All Embarq employees or contractors who perform repair service for CLEC end users will follow Embarq standard procedures in all their communications with CLEC end users. These procedures and protocols will ensure that:
 - 73.6.1. Embarq employees or contractors will perform repair service that is equal in quality to that provided to Embarq end users; and
 - 73.6.2. Trouble calls from CLEC will receive response time priority that is equal to that of Embarq end users and will be handled on a “first come first served” basis regardless of whether the end user is a CLEC end user or an Embarq end user.
- 73.7. Embarq will provide CLEC with scheduled maintenance for resold lines, including, without limitation, required and recommended maintenance intervals and procedures, for all Telecommunications Services and network elements provided to CLEC under this Agreement equal in quality to that currently provided by Embarq in the maintenance of its own network. CLEC will perform its own testing for UNEs.
- 73.8. Embarq will give maximum advanced notice to CLEC of all non-scheduled maintenance or other planned network activities to be performed by Embarq on any network element, including any hardware, equipment, software, or system, providing service functionality of which CLEC has advised Embarq may potentially impact CLEC end users.
- 73.9. Notice of Network Event. Each Party has the duty to alert the other of any network events that can result or have resulted in service interruption, blocked calls, or negative changes in network performance.
- 73.10. On all misdirected calls from CLEC end users requesting repair, Embarq will provide such CLEC end user with the correct CLEC repair telephone number as such number is provided to Embarq by CLEC. Once the Electronic Interface is established between Embarq and CLEC, Embarq agrees that CLEC may report troubles directly to a single Embarq repair/maintenance center for both residential and small business end users, unless otherwise agreed to by CLEC.
- 73.11. Upon establishment of an Electronic Interface, Embarq will notify CLEC via such electronic interface upon completion of trouble report. The report will not be considered closed until such notification is made. CLEC will contact its end user to determine if repairs were completed and confirm the trouble no longer exists.
- 73.12. Embarq will perform all testing for resold Telecommunications Services.

- 73.13. Embarq will provide test results to CLEC, if appropriate, for trouble clearance. In all instances, Embarq will provide CLEC with the disposition of the trouble.
- 73.14. If Embarq initiates trouble handling procedures, it will bear all costs associated with that activity. If CLEC requests the trouble dispatch, and either there is no trouble found, or the trouble is determined to be beyond the end user demarcation point, then CLEC will bear the cost.

74. MISCELLANEOUS SERVICES AND FUNCTIONS

74.1. General

- 74.1.1. To the extent that Embarq does not provide the services described in this Section 74 to itself, CLEC must contract directly with the service provider for such services.
- 74.1.2. Basic 911 and E911 General Requirements
 - 74.1.2.1. Basic 911 and E911 provides a caller access to the appropriate emergency service bureau by dialing a 3-digit universal telephone number (911).
 - 74.1.2.2. Basic 911 and E911 functions provided to CLEC for unbundled local switching and resale will be at Parity with the support and services that Embarq provides to its subscribers for such similar functionality.
 - 74.1.2.3. In a resale situation, where it may be appropriate for Embarq to update the ALI database, Embarq will update such database with CLEC data in an interval at Parity with that experienced by Embarq end users.
 - 74.1.2.3.1. Embarq will transmit to CLEC daily all changes, alterations, modifications, and updates to the emergency public agency telephone numbers linked to all NPA NXXs. This transmission will be electronic and be a separate feed from the subscriber listing feed.
 - 74.1.2.4. In government jurisdictions where Embarq has obligations under existing agreements as the primary provider of the 911 System to the county (Host Embarq), CLEC will participate in the provision of the 911 System as follows:
 - 74.1.2.4.1. Each Party will be responsible for those portions of the 911 System for which it has control, including any necessary maintenance to each Party's portion of the 911 System.
 - 74.1.2.4.2. Host Embarq will be responsible for maintaining the E-911 database. Embarq will be responsible for maintaining the E-911 routing database.
 - 74.1.2.5. If a third party is the primary service provider to a government agency, CLEC will negotiate separately with such third party with regard to the provision of 911 service to the agency. All relations between such third party and CLEC are totally separate from this Agreement and Embarq makes no representations on behalf of the third party.
- 74.1.3. The following are Basic 911 and E911 Database Requirements
 - 74.1.3.1. The ALI database will be managed by Embarq, but is the property of Embarq and CLEC for those records provided by CLEC.
 - 74.1.3.2. To the extent allowed by the governmental agency, and where available,

copies of the SIG will be provided within three (3) Business Days from the time requested and provided on diskette, or in a format suitable for use with desktop computers.

- 74.1.3.2.1. For any purpose other than 911/E911, Embarq shall provide copies of the SIG to CLEC within thirty (30) Days of CLEC's written request at the rates listed in Table One. A CDROM containing the SIG data will be shipped to the CLEC's designated contact on a monthly basis until the request is cancelled.
- 74.1.3.3. CLEC will be solely responsible for providing CLEC database records to Embarq for inclusion in Embarq's ALI database on a timely basis.
- 74.1.3.4. Embarq and CLEC will arrange for the automated input and periodic updating of the E911 database information related to CLEC end users. Embarq will work cooperatively with CLEC to ensure the accuracy of the data transfer by verifying it against the SIG. Embarq will accept electronically transmitted files that conform to NENA Version #2 format.
- 74.1.3.5. CLEC will assign an E911 database coordinator charged with the responsibility of forwarding CLEC end user ALI record information to Embarq or via a third-party entity, charged with the responsibility of ALI record transfer. CLEC assumes all responsibility for the accuracy of the data that CLEC provides to Embarq.
- 74.1.3.6. CLEC will provide information on new subscribers to Embarq within one (1) Business Day of the order completion. Embarq will update the database within two (2) Business Days of receiving the data from CLEC. If Embarq detects an error in the CLEC provided data, the data will be returned to CLEC within two (2) Business Days from when it was provided to Embarq. CLEC will respond to requests from Embarq to make corrections to database record errors by uploading corrected records within two (2) Business Days. Manual entry will be allowed only in the event that the system is not functioning properly.
- 74.1.3.7. Embarq agrees to treat all data on CLEC subscribers provided under this Agreement as confidential and to use data on CLEC subscribers only for the purpose of providing E911 services.

74.2. Directory Listings Service Requests

- 74.2.1. These requirements pertain to Embarq's Listings Service Request process that enables CLEC to (a) submit CLEC subscriber information for inclusion in Directory Listings databases; (b) submit CLEC subscriber information for inclusion in published directories; and (c) provide CLEC subscriber delivery address information to enable Embarq to fulfill directory distribution obligations.
- 74.2.2. When implemented by the Parties, Embarq will accept orders on a real-time basis via electronic interface in accordance with OBF Directory Service Request standards within three (3) months of the effective date of this Agreement. In the interim, Embarq will create a standard format and order process by which CLEC can place an order with a single point of contact within Embarq.
- 74.2.3. Embarq will provide to CLEC the following Directory Listing Migration Options, valid under all access methods, including but not limited to, Resale, UNEs and Facilities-Based:
 - 74.2.3.1. Migrate with no Changes. Retain all white page listings for the subscriber in both DA and DL. Transfer ownership and billing for white page listings to

CLEC.

74.2.3.2. Migrate with Additions. Retain all white page listings for the subscriber in DL. Incorporate the specified additional listings order. Transfer ownership and billing for the white page listings to CLEC.

74.2.3.3. Migrate with Deletions. Retain all white page listings for the subscriber in DL. Delete the specified listings from the listing order. Transfer ownership and billing for the white page listings to CLEC.

74.2.3.4. To ensure accurate order processing, Embarq or its directory publisher will provide to CLEC the following information, with updates promptly upon changes:

74.2.3.4.1. A matrix of NXX to central office;

74.2.3.4.2. Geographical maps if available of Embarq service area;

74.2.3.4.3. A description of calling areas covered by each directory, including but not limited to maps of calling areas and matrices depicting calling privileges within and between calling areas;

74.2.3.4.4. Listing format rules;

74.2.3.4.5. Standard abbreviations acceptable for use in listings and addresses;

74.2.3.4.6. Titles and designations; and

74.2.3.4.7. A list of all available directories and their Business Office close dates

74.2.4. Based on changes submitted by CLEC, Embarq will update and maintain directory listings data for CLEC subscribers who:

74.2.4.1. Disconnect Service;

74.2.4.2. Change CLEC;

74.2.4.3. Install Service;

74.2.4.4. Change any service which affects DA information;

74.2.4.5. Specify Non-Solicitation; and

74.2.4.6. Are Non-Published, Non-Listed, or Listed.

74.2.5. Embarq will not charge for storage of CLEC subscriber information in the DL systems.

74.2.6. CLEC will not charge for storage of Embarq subscriber information in the DL systems.

74.3. Directory Listings General Requirements. CLEC acknowledges that many directory functions including but not limited to yellow page listings, enhanced white page listings, information pages, directory proofing, and directory distribution are not performed by Embarq but rather are performed by and are under the control of the directory publisher. CLEC acknowledges that for a CLEC subscriber's name to appear in a directory, CLEC must submit a Directory Service Request (DSR). Embarq will use reasonable efforts to assist CLEC in obtaining an agreement with the directory publisher that treats CLEC at Parity with the publisher's treatment of Embarq.

74.3.1. This Section 74.3 pertains to listings requirements published in the traditional white pages.

- 74.3.2. Embarq will include in its master subscriber system database all white pages listing information for CLEC subscribers in Embarq territories where CLEC is providing local telephone exchange services and has submitted a DSR.
- 74.3.3. Embarq agrees to include one basic White pages listing for each CLEC customer located within the geographic scope of its White Page directories, at no additional charge to CLEC. A basic White Pages listing is defined as a customer name, address and either the CLEC assigned number for a customer or the number for which number portability is provided, but not both numbers. Basic White Pages listings of CLEC customers will be interfiled with listings of Embarq and other LEC customers.
- 74.3.4. CLEC agrees to provide CLEC customer listing information, including without limitation directory distribution information, to Embarq, at no charge. Embarq will provide CLEC with the appropriate format for provision of CLEC customer listing information to Embarq. The parties will adopt a mutually acceptable electronic format for the provision of such information as soon as practicable. In the event OBF adopts an industry-standard format for the provision of such information, the parties will adopt such format.
- 74.3.5. Embarq agrees to provide White Pages database maintenance services to CLEC. CLEC will be charged a Service Order entry fee upon submission of Service Orders into Embarq's Service Order Entry (SOE) System, which will include compensation for such database maintenance services. Service Order entry fees apply when Service Orders containing directory records are entered into Embarq's SOE System initially, and when Service Orders are entered in order to process a requested change to directory records.
- 74.3.6. CLEC customer listing information will be used solely for the provision of directory services, including the sale of directory advertising to CLEC customers.
- 74.3.7. In addition to a basic White Pages listing, Embarq will provide, tariffed White Pages listings (e.g.: additional, alternate, foreign and non-published listings) for CLEC to offer for resale to CLEC's customers.
- 74.3.8. Embarq, or its directory publisher, agree to provide White Pages distribution services to CLEC customers within Embarq's service territory at no additional charge to CLEC at times of regularly scheduled distribution to all customers. Embarq represents that the quality, timeliness, and manner of such distribution services will be at Parity with those provided to Embarq and to other CLEC customers.
- 74.3.9. Embarq agrees to include critical contact information pertaining to CLEC in the "Information Pages" of those of its White Pages directories containing information pages, if CLEC meets criteria established by its directory publisher. Critical contact information includes CLEC's business office number, repair number, billing information number, and any other information required to comply with applicable regulations, but not advertising or purely promotional material. CLEC will not be charged for inclusion of its critical contact information. The format, content and appearance of CLEC's critical contact information will conform to applicable Embarq directory publisher's guidelines and will be consistent with the format, content and appearance of critical contact information pertaining to all CLECs in a directory.
- 74.3.10. Embarq will accord CLEC customer listing information the same level of confidentiality that Embarq accords its own proprietary customer listing information. Embarq will ensure that access to CLEC customer proprietary listing information will be limited solely to those of Embarq and Embarq's directory publisher's employees, agents and contractors that are directly involved in the preparation of listings, the production and distribution of directories, and the sale of directory advertising. Embarq will advise its own employees, agents and contractors and its directory publisher of the existence of this confidentiality obligation and will take appropriate measures to ensure their compliance with this obligation. Notwithstanding any provision herein to the contrary, the furnishing

of White Pages proofs to a CLEC that contains customer listings of both Embarq and CLEC will not be deemed a violation of this confidentiality provision.

74.3.11. Embarq will provide CLEC's customer listing information to any third party to the extent required by Applicable Rules.

74.4. Other Directory Services. Embarq will exercise reasonable efforts to cause its directory publisher to enter into a separate agreement with CLEC which will address other directory services desired by CLEC as described in this Section 74.4. However, Embarq's directory publisher is not a party to this Agreement and the provisions contained in this Section 74.4 are not binding upon Embarq's directory publisher.

74.4.1. Embarq's directory publisher will negotiate with CLEC concerning the provision of a basic Yellow Pages listing to CLEC customers located within the geographic scope of publisher's Yellow Pages directories and distribution of Yellow Pages directories to CLEC customers.

74.4.2. Directory advertising will be offered to CLEC customers on a nondiscriminatory basis and subject to the same terms and conditions that such advertising is offered to Embarq and other CLEC customers. Directory advertising will be billed to CLEC customers by directory publisher.

74.4.3. Directory publisher will use commercially reasonable efforts to ensure that directory advertising purchased by customers who switch their service to CLEC is maintained without interruption.

74.4.4. Information pages, in addition to any information page or portion of an information page containing critical contact information as described above in Section 74.3.9 may be purchased from Embarq's directory publisher, subject to applicable directory publisher guidelines, criteria, and regulatory requirements.

74.4.5. Directory publisher maintains full authority as publisher over its publishing policies, standards and practices, including decisions regarding directory coverage area, directory issue period, compilation, headings, covers, design, content or format of directories, and directory advertising sales.

74.5. Directory Assistance Data. This Section refers to the residential, business, and government subscriber records used by Embarq to create and maintain databases for the provision of live or automated operator assisted Directory Assistance. Directory Assistance Data is information that enables telephone exchange CLECs to swiftly and accurately respond to requests for directory information, including, but not limited to name, address and phone numbers. Under the provisions of the Act and the FCC's Interconnection order, Embarq will provide unbundled and non-discriminatory access to the residential, business and government subscriber records used by Embarq to create and maintain databases for the provision of live or automated operator assisted Directory Assistance. This access will be provided under separate contract.

74.6. Systems Interfaces and Exchanges

74.6.1. Directory Assistance Data Information Exchanges and Interfaces

74.6.1.1. Subscriber List Information

74.6.1.2. Embarq will provide to CLEC, at CLEC's request, all published Subscriber List Information (including such information that resides in Embarq's master subscriber system/accounts master file for the purpose of publishing directories in any format as specified by the Act) via an electronic data transfer medium and in a mutually agreed to format, on the same terms and conditions and at the same rates that the Embarq provides Subscriber List

Information to itself or to other third parties. All changes to the Subscriber List Information will be provided to CLEC pursuant to a mutually agreed format and schedule. Both the initial List and all subsequent Lists will indicate for each subscriber whether the subscriber is classified as residence or business class of service.

74.6.1.3. CLEC will provide directory listings to Embarq pursuant to the directory listing and delivery requirements in the approved OBF format, at a mutually agreed upon timeframe. Other formats and requirements will not be used unless mutually agreed to by the parties.

74.7. Listing Types

74.7.1. LISTED - The listing information is available for all directory requirements.

74.7.2. NON-LISTED - The listing information is available to all directory requirements, but the information does not appear in the published street directory.

74.7.3. NON-PUBLISHED - A directory service may confirm, by name and address, the presence of a listing, but the telephone number is not available. The listing information is not available in either the published directory or directory assistance.

PART J – REPORTING STANDARDS

75. GENERAL

- 75.1. Embarq will satisfy all service standards, intervals, measurements, specifications, performance requirements, technical requirements, and performance standards and will pay any penalties for violation of the performance standards that are required by law or regulation. In addition, Embarq's performance under this agreement will be provided to CLEC at parity with the performance Embarq provides itself for like service(s).

PART K – COLLOCATION

76. SCOPE OF COLLOCATION TERMS AND CONDITIONS

- 76.1. Embarq will provide Collocation to CLEC in accordance with this Agreement for the purposes of Interconnection to Embarq pursuant to the Act (including 47 U.S.C. § 251(c)(2)) and for obtaining access to Embarq's UNEs pursuant to the Act (including 47 U.S.C. § 251(c)(3)). Collocation will be provided on a nondiscriminatory basis, on a "first-come, first-served" basis, and otherwise in accordance with the requirements of the Act (including 47 U.S.C. § 251(c)(6)).
- 76.2. Prices and fees for collocation and other services under this Agreement are contained in Table Two. In the event Embarq files tariffs for pricing of collocation and other services covered by this agreement, such pricing in the tariffs will control over Table Two as of the date the tariff becomes effective. The terms and conditions of this Agreement will control over any terms and conditions in the tariff.
- 76.3. This Agreement states the general terms and conditions upon which Embarq will grant to CLEC the non-exclusive right to gain access to and occupy the Collocation Space, and other associated facilities as may be necessary, for the sole and exclusive purpose of providing telecommunications service upon submission of an approved and provisioned Application for collocation service. Such service will be provided by installing, maintaining and operating CLEC's equipment, which will interconnect with Telecommunications Services and facilities provided by Embarq or others in accordance with this Agreement.

77. TERMINATION OF COLLOCATION SPACE

- 77.1. CLEC may terminate occupancy in a particular Collocation Space upon thirty (30) Days prior written notice to Embarq. Upon termination of such occupancy, CLEC at its expense will remove its equipment and other property from the Collocation Space. CLEC will have thirty (30) Days from the termination date to complete such removal, including the removal of all equipment and facilities of CLEC's Guests; provided, however, that CLEC will continue payment of monthly fees to Embarq until such date as CLEC has fully vacated the Collocation Space. CLEC will surrender the Collocation Space to Embarq in the same condition as when first occupied by CLEC, except for ordinary wear and tear.
- 77.2. CLEC will be responsible for the cost of removing any enclosure, together with all supporting structures (e.g., racking, conduits), of an Adjacent Collocation arrangement at the termination of occupancy and restoring the grounds to their original condition.
- 77.3. Upon termination of CLEC's right to possession of a Collocation Space, CLEC will surrender possession and vacate the Collocation Space within thirty (30) Days. Failure to surrender the Collocation Space within thirty (30) Days will be considered abandonment and Embarq will have the right to remove the equipment and other property of CLEC or the CLEC's Guest at CLEC's expense and with no liability for damage or injury to CLEC's property.
- 77.4. If Embarq removes any of CLEC's equipment from its collocation space under any section of this Agreement, Embarq will deliver to CLEC any equipment removed by Embarq only upon payment by CLEC of the cost of removal, storage and delivery, and all other amounts due Embarq under this Agreement. If CLEC fails to remove any of its equipment deemed abandoned, title thereto will pass to Embarq under this Agreement as if by a Bill of Sale. Nothing herein will limit Embarq from pursuing, any other remedy in law, equity, or otherwise related to CLEC's occupancy in the Collocation Space, including any other remedy provided in this Agreement.
- 77.5. CLEC will surrender all keys, access cards and Embarq-provided photo identification cards to the Collocation Space and the Building to Embarq, and will make known to Embarq the combination of all combination locks remaining on the Collocation Space.

- 77.6. If it becomes necessary in Embarq's reasonable judgment to reclaim the Collocation Space or any portion thereof, any Inner Duct, Outside Cable Duct, Cable Vault space or other Embarq-provided facility in order to fulfill its common carrier obligations, any order or rule of the state commission or the FCC, or Embarq's tariffs to provide Telecommunications Services to its end user customers. Embarq will have the right to do so, for good cause shown, and upon thirty (30) Days prior notice. In such cases, Embarq will reimburse CLEC for reasonable direct costs and expenses in connection with such reclamation.
- 77.7. If it becomes necessary in Embarq's reasonable judgment to require CLEC to move to equivalent space in the Premises, Embarq will provide sixty (60) Days written notice to CLEC and Embarq will pay all moving costs, and the collocation fees provided for herein will remain the same.

78. COLLOCATION OPTIONS

- 78.1. Embarq will offer Collocation Space to allow CLEC to collocate its equipment and facilities, and without requiring the construction of a cage or similar structure. Embarq will make cageless collocation available in single bay increments. For equipment requiring special technical considerations, CLEC must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in Telcordia GR-63-Core and will be responsible for constructing all special technical requirements associated with such equipment pursuant to this Agreement.
- 78.2. Embarq will authorize the enclosure of CLEC's equipment and facilities at CLEC's option. Embarq will provide guidelines and specifications upon request. Based on CLEC's request, space and cage enclosures in amounts as small as that sufficient to house and maintain a single rack or bay or equipment will be made available. At CLEC's option, Embarq will permit CLEC to arrange with a third party vendor to construct a Collocation Arrangement enclosure at CLEC's sole expense. CLEC's third party vendor will be responsible for filing and receiving any and all necessary permits and/or licenses for such construction. The third party vendor will bill CLEC directly for all work performed for CLEC and Embarq will have no liability for nor responsibility to pay such charges imposed by the third party vendor. CLEC must provide the local Embarq building contact with one Access key used to enter the locked enclosure. Except in case of emergency, Embarq will not access CLEC's locked enclosure prior to notifying CLEC and obtaining authorization.
- 78.2.1. Embarq has the right to review CLEC's plans and specifications prior to allowing construction to start. Embarq will complete its review within fifteen (15) Days of receipt of such plans. Embarq has the right to inspect the enclosure after construction to make sure it is constructed according to the submitted plans and specifications. Embarq can require CLEC to remove or correct, at its cost, any structure that does not meet these plans.
- 78.3. CLEC may allow other telecommunications carriers to share its caged collocation arrangement pursuant to terms and conditions agreed to by CLEC ("Host") and other telecommunications carriers ("Guests"). CLEC will notify Embarq in writing upon execution of any agreement between the Host and its Guest within twelve (12) Days of its execution. Further, such notice will include the name of the Guest(s) and their term of agreement, and will contain a certification by CLEC that said agreement imposes upon the Guest(s) the same terms and conditions (excluding rates) for collocation space as set forth in this Agreement.
- 78.3.1. As Host, CLEC will be the sole interface and responsible Party to Embarq for the purpose of submitting applications for initial and additional equipment placements of Guest (to the extent required under other sections of this Agreement); for assessment and payment of rates and charges applicable to the Collocations space; and for the purposes of ensuring that the safety and security requirements of this Agreement are fully complied with by the Guest, its employees and agents. In making shared cage arrangements, Embarq will not increase the cost of site preparation or nonrecurring charges above the

cost of provisioning a similar caged arrangement to a CLEC.

- 78.3.2. Embarq will not place unreasonable restrictions on CLEC's use of a cage, and as such will allow CLEC to contract with other CLECs to share the cage in a sublease type arrangement. If two (2) or more CLECs that have interconnection agreements with Embarq utilize a shared collocation cage, Embarq will permit each CLEC to order UNEs and provision service from the shared collocation space, regardless of which CLEC was the original collocater.
- 78.3.3. If Host terminates a Collocation Arrangement, Host will provide Guest thirty (30) Days notice. Guest will assume all obligations and rights of Host as to that Collocation Arrangement if Guest remains in the Collocation Space, including payment of all charges.
- 78.4. Embarq will provide adjacent collocation arrangements ("Adjacent Arrangement") where space within the Premises is legitimately exhausted, subject to technical feasibility. Both Parties will mutually agree on the location of the designated space on the Embarq property where the adjacent structure (such as a CEV or similar structure) will be placed. If a mutual agreement cannot be reached, Embarq will decide the location, subject to zoning or other state and local regulations and future use by Embarq or other requesting Telecommunications Carriers pursuant to an application submitted under Section 80.
 - 78.4.1. CLEC will provide a concrete pad, the structure housing the arrangement, HVAC, lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the Embarq point of interconnection. If CLEC elects such an option, CLEC must arrange with a third party vendor to construct an Adjacent Arrangement structure in accordance with this Agreement.
 - 78.4.2. Embarq maintains the right to review CLEC's plans and specifications prior to construction of an Adjacent Arrangement(s). Embarq will complete its review within thirty (30) Days of site selection and receipt of plans. Except that such time period may be extended if any delay is due to the actions of CLEC. Embarq may inspect the Adjacent Arrangement(s), following construction and prior to commencement, to ensure the design and construction complies with submitted plans. Embarq may require CLEC to correct any deviations from approved plans found during such inspection(s).
 - 78.4.3. Embarq will provide AC power, as requested, subject to being technically feasible. At its option, CLEC may choose to provide its own AC power to the adjacent structure as long as the AC power source is from the same provider as Embarq's.
 - 78.4.4. Subject to CLEC being on the waiting list, in the event that space in an Embarq Premises becomes available, Embarq will provide the option to the CLEC to relocate its equipment from an Adjacent Facility into the Embarq Premises. In the event CLEC chooses to relocate its equipment, appropriate charges will apply, including charges to vacate the adjacent collocation arrangement and charges applicable for collocation within the Embarq Premises.
- 78.5. To the extent possible, Embarq will provide CLEC with contiguous space for any subsequent request for physical collocation space, but makes no assurances that contiguous space will be available.
- 78.6. Embarq will provide virtual collocation, subject to being technically feasible, if physical collocation is not practical for technical reasons or because of space limitations and in accordance with the Act (including 47 U.S.C. § 251(c)(6) and 47 C.F.R. § 51.321).
 - 78.6.1. CLEC may lease to Embarq, at no cost to Embarq, equipment that meets applicable FCC requirements and in accordance with this Agreement, for the sole purpose of having Embarq install and maintain the equipment in accordance with terms and conditions

mutually agreed upon by the Parties.

- 78.6.2. Virtually collocated equipment will be purchased by CLEC. Embarq does not assume any responsibility for the design, engineering, testing or performance for the end-to-end connection of CLEC's equipment, arrangement or facilities.
- 78.6.3. Embarq will install, maintain, and repair CLEC's collocated equipment within the same time periods and with failure rates that are no greater than those that apply to the performance of similar functions for comparable equipment of Embarq, Embarq's affiliates or third parties. The following services are not covered by this Agreement:
 - 78.6.3.1. services to resolve software or hardware problems resulting from products provided by parties other than Embarq or causes beyond the control of Embarq;
 - 78.6.3.2. service of attached, related, collateral or ancillary equipment or software not covered by this Section;
 - 78.6.3.3. repairing damage caused to CLEC's collocated equipment by persons other than Embarq, or its authorized contractors, or
 - 78.6.3.4. repairing damage to other property or equipment caused by operation of CLEC's collocated equipment and not caused by the sole negligence of Embarq.
- 78.6.4. CLEC warrants that Embarq will have quiet enjoyment of the equipment. Embarq will be entitled to the benefit of any applicable manufacturer's warranties and indemnities and, to the extent assignable, such warranties and indemnities are hereby assigned by CLEC for the benefit of Embarq and CLEC will take all reasonable action to enforce such warranties and indemnities where available to Embarq. CLEC will execute, upon presentation, such documents and instruments as may be required to allow Embarq manufacturer's warranty coverage for any equipment. CLEC warrants that it has full authority to lease the equipment under the terms and conditions set forth herein and that there are no restrictions, legal or otherwise, which would preclude it from so doing.
 - 78.6.4.1. In the event Embarq's right to quiet enjoyment is breached, either by CLEC's failure to make or cause to be made payment to the equipment manufacturer of the full purchase price for the equipment when such payment becomes due, or otherwise, Embarq may give written notice to CLEC and all of Embarq's obligations relating to the affected equipment will terminate immediately.
- 78.6.5. Embarq's preparation, if any, of the Premises (e.g., Power, environmental, etc.) for the Virtual Collocation equipment will be charged to CLEC at rates on Table Two or as filed in a tariff and approved by the Commission.

79. DEMARCATION POINT

- 79.1. Embarq will designate the point of demarcation, unless otherwise mutually agreed to by the Parties, in or adjacent to its Collocation Space. At CLEC's request, Embarq will identify the location(s) of other possible demarcation points available to CLEC, and CLEC will designate from these location(s) the point(s) of demarcation between its collocated equipment and Embarq's equipment. Embarq will use its best efforts to identify the closest demarcation point to CLEC's equipment that is available.
- 79.2. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point.
- 79.3. At CLEC's option and expense, a point of termination (POT) bay, frame or digital cross-connect may be placed in or adjacent to the Collocation Space that may, at CLEC's option, serve as the

demarcation point. If CLEC elects not to provide a POT frame, Embark will agree to handoff the interconnection cables to CLEC at its equipment, at CLEC's designated demarcation point. When CLEC elects to install its own POT frame/cabinet, Embark must still provide and install the required DC power panel.

80. APPLICATION PROCESS

- 80.1. Upon CLEC's selection of a Premises in which it desires to collocate its Equipment, Embark will provide a then current collocation application form (the "Application") to CLEC. CLEC will submit an Application when initially requesting Collocation Space, or modifying the use of the Collocation Space. The Application will contain a detailed description and schematic drawing of the equipment to be placed in CLEC's Collocation Space(s), the amount of square footage required (or, in the case of Cageless Collocation, bay space) for the current year plus the next calendar year from the date of application, as well as the associated power requirements, floor loading, and heat release of each piece.
 - 80.1.1. CLEC will complete the Application, and return it, along with the appropriate Application fee, to Embark. The Application will include complete details of the collocation and interconnection requested, including, but not limited to, specific floor space, power, and environmental conditioning requirements. Embark will not process an Application until both the Application and the applicable Application fee are received.
 - 80.1.2. In the event CLEC desires to modify or decommission the use of the Collocation Space in a manner that requires additional engineering or preparation work by Embark, CLEC will complete a subsequent Application detailing all information regarding the modification to the Collocation Space together with payment of the appropriate Application Augment Fee. Such modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, and equipment additions.
 - 80.1.3. Where CLEC modifies the use of the Collocation Space or adds equipment that requires no additional engineering or preparation work on the part of Embark, Embark will not impose additional charges or additional intervals that would delay CLEC's operation. CLEC will notify Embark of the modifications or additional equipment prior to installation.
 - 80.1.4. If Collocation Space is unavailable or CLEC withdraws its request, the Application fee, less the costs incurred by Embark (e.g. engineering record search and administrative activities required to process the Application) will be refunded.
- 80.2. If CLEC wishes Embark to consider multiple methods for collocation on a single Application, CLEC will need to include in each Application a prioritized list of its preferred methods of collocating, e.g., caged, shared, or other, as well as adequate information, (e.g., specific layout requirements, cage size, number of bays, requirements relative to adjacent bays, etc.) for Embark to process the Application for each of the preferred methods. If CLEC provides adequate information and its preferences with its Application, Embark may not require an additional Application, nor would CLEC be required to restart the quotation interval in the event that CLEC's first choice is not available in the requested Premises. Only one collocation arrangement will be provisioned per Application. Embark will not select for CLEC the type of collocation to be ordered.
- 80.3. Within ten (10) Days after receiving CLEC's Application for collocation, Embark will inform CLEC whether the Application meets each of Embark's established collocation standards. In the event that CLEC submits a revised Application curing any deficiencies in an Application for collocation within ten (10) Days after being informed of them, CLEC will retain its original position within any collocation queue that Embark maintains. If Embark informs CLEC that there is a deficiency in an Application, Embark will provide sufficient detail so that CLEC has a reasonable opportunity to cure each deficiency.

- 80.4. All revisions to an initial request for a Physical Collocation Arrangement submitted by CLEC must be in writing. A new interval for the Physical Collocation Arrangement will be established which will not exceed two months beyond the originally established date. CLEC will be required to pay any applicable Application fees.
- 80.5. Embarq will provide confirmation of space availability within ten (10) Days of receipt of a complete and accurate Application and applicable Application fee for one (1) to five (5) Applications submitted. Space availability response will be increased by five (5) Days for every five (5) additional Applications received.
- 80.5.1. Embarq will notify CLEC in writing as to whether its request for Collocation Space has been granted or denied due to lack of space. The notification will also include a possible future space relief date, if applicable.
- 80.5.2. In order to increase the amount of space available for collocation, Embarq will, upon request, remove obsolete unused equipment, from its Premises to increase the amount of space available for collocation.
- 80.6. After notifying the CLEC that Embarq has no available space for Physical Collocation in the requested Central Office ("Denial of Application"), Embarq will allow the CLEC, upon request, to tour the entire Central Office within ten (10) Days, or other mutually agreeable timeframe, of such Denial of Application. In order to schedule said tour the request for a tour of the Central Office must be received by Embarq within five (5) Days of the Denial of Application.
- 80.6.1. If CLEC contests Embarq's notice that there is not sufficient space for Physical Collocation in the Central Office, the parties may seek expedited resolution of the dispute at the Commission pursuant to Section 251(c)(6) of the Act. If the Commission determines that space is not available, Embarq will not be required to conduct a review of floor space availability in the same central office more frequently than once every six months.
- 80.6.2. On a first come, first serve basis, Embarq will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate.
- 80.6.3. Embarq will simultaneously notify the telecommunications carriers on the waiting list when space becomes available if there is enough space to accommodate additional collocation. Subsequent to the granting of a Petition for Waiver, if CLEC has been denied Physical Collocation space at an Embarq Premises and challenges Embarq on space availability at said Premises, CLEC will be given priority for space assignment if, as a result of the challenge, space is found to be available. CLEC will reaffirm its collocation request within thirty (30) Days of such notification; otherwise, it will be dropped to the bottom of the list. Upon request, Embarq will advise CLEC as to its position on the list.
- 80.6.4. If CLEC's Application for Physical Collocation is denied due to lack of space, Embarq will place CLEC on the waiting list for collocation in particular Premises according to the date CLEC submitted its Application and not the date of denial for lack of space.
- 80.6.5. Embarq will maintain on its Website a notification document that will indicate all Premises that are without available space. Embarq will update such document within ten (10) Days of the date at which a Premises runs out of physical collocation space.
- 80.7. Embarq will provide a price quote within thirty (30) Days of receipt of a complete and accurate Application and applicable Application fee for one (1) to five (5) Applications. Price quote response will be increased by five (5) Days for every five (5) additional Applications received. The quotation will include the applicable nonrecurring and recurring rates.

- 80.8. CLEC has thirty (30) Days from receipt of the quotation to accept the quotation in writing. The quotation expires after thirty (30) Days. After thirty (30) Days, a new Application and Application fee are required. Collocation Space is not reserved until the quotation is accepted. Embarq need not meet the deadlines for provisioning Physical Collocation if, after receipt of any price quotation provided by Embarq, CLEC does not notify Embarq that physical collocation should proceed.
- 80.9. CLEC will indicate its intent to proceed with equipment installation in an Embarq Premises by accepting the price quote, which constitutes a Bona Fide Firm Order ("BFFO"). If CLEC makes changes to its Application in light of Embarq's written Application Response, Embarq may be required to re-evaluate and respond to the change(s). In this event, CLEC's Application will be treated as a Revision.
- 80.10. Space preparation for the Collocation Space will not begin until Embarq receives the BFFO and all applicable fees, including all non-recurring charges required by Embarq at the time of the BFFO.

81. SPACE RESERVATION

- 81.1. The parties may reserve physical collocation space for their own specific uses for the remainder of the current year, plus twelve (12) months in accordance with Section 80. Neither Embarq, nor any of its affiliates, will reserve space for future use on terms more favorable than those that apply to other telecommunications carriers seeking to reserve collocation space for their own future use.

82. PROVISIONING INTERVALS

- 82.1. Embarq will complete construction of Caged Physical (including Shared Caged), Cageless Physical, and Virtual Collocation arrangements within ninety (90) Days of receipt of a BFFO. If Embarq is unable to complete construction as provided herein, the parties may agree to a mutually acceptable interval or Embarq may petition the Commission for waiver.

83. CONSTRUCTION AND COMMENCEMENT OF BILLING

- 83.1. Embarq will permit CLEC or its designated subcontractor to perform the construction of physical collocation space, provided however, that any such CLEC subcontractor will be subject to Embarq's security standards. Embarq reserves the right to reject any CLEC subcontractor upon the same criteria that Embarq would use on its own subcontractors. CLEC will notify Embarq in writing when construction of physical collocation space is complete.
- 83.2. Embarq will have the right to inspect CLEC's completed installation of equipment and facilities prior to CLEC turning up such equipment and facilities. CLEC will provide written notification to Embarq when CLEC has completed its installation of equipment and facilities in the Collocation space, and Embarq will, within five (5) Business Days of receipt of such notice, either (i) inspect such Collocation space or (ii) notify CLEC that Embarq is not exercising its right to inspect such Collocation space at that time and that CLEC may turn up its equipment and facilities. Failure of Embarq to either inspect the Collocation space or notify CLEC of its election not to inspect such space within the foregoing five (5) Business Day period will be deemed an election by Embarq not to inspect such Collocation space. CLEC will have the right to be present at such inspection, and if CLEC is found to be in non-compliance with the terms and conditions of this Agreement that relate to the installation and use of CLEC's Collocated equipment and facilities, CLEC will modify its installation to achieve compliance prior to turning up its equipment and facilities.
- 83.3. To the extent Embarq performs the construction of the Physical Collocation Arrangement, Embarq will construct the Collocated Space in compliance with a mutually agreed to collocation request. Any deviation to CLEC's order must thereafter be approved by CLEC. The Parties acknowledge that CLEC approved deviations may require additional construction time and may incur additional

CLEC expenses. CLEC will pay the incremental cost incurred by Embarq as the result of any Revision to the Collocation request. CLEC will pay all applicable fees, including any nonrecurring charges required by Embarq, prior to Embarq commencing construction of the collocation space.

- 83.4. CLEC will be responsible for all extraordinary costs, as determined in accordance with the Act, incurred by Embarq to prepare the Collocation space for the installation of CLEC's equipment and for extraordinary costs to maintain the Collocation space for CLEC's equipment on a going-forward basis. Extraordinary costs may include costs for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, increasing the DC power system infrastructure capacity, increasing the capacity of the standby AC system (if available) or the existing commercial power facility, conversion of non-Collocation space, compliance with federal and state requirements, or other modifications required by local ordinances. Embarq will charge for these extraordinary costs on a time-sensitive or time-and-materials basis and will allocate the costs fairly among itself, CLEC and other collocators. An estimate of such costs, as determined in accordance with the Act, will be provided to CLEC prior to commencing such work. Extraordinary costs will only be billed to CLEC if such costs have been authorized by CLEC. Embarq must advise CLEC if extraordinary costs will be incurred.
- 83.5. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents.
- 83.6. Embarq will notify CLEC when construction of a Collocation Space is complete. The Parties will complete an acceptance walk through of each provisioned Collocation Space. Embarq will commence to correct any deviations to CLEC's original or jointly amended requirements within five (5) Days after the walk through. If CLEC does not conduct an acceptance walk through within fifteen (15) Days of the notification that the Collocation Space construction is complete, CLEC will be deemed to have accepted the Collocation Space and billing will commence.
- 83.7. CLEC must submit a written request to cancel its order for Physical, Caged, Shared Cage, Adjacent Space, or Virtual Collocation. CLEC will reimburse Embarq for any actual expenses incurred and not already paid, which may include incidental equipment costs, material ordered, provided or used; labor; transportation, DS0, DS1 and DS3 cable and all other associated costs.

84. EQUIPMENT

- 84.1. CLEC may only locate equipment necessary for interconnection to Embarq or accessing Embarq's unbundled network elements in accordance with Applicable Rules, including but not limited to 47 U.S.C. 251 (C) (3), 47 U.S.C. 251 (C) (2), and 47 C.F.R. 51.323(b-c).
- 84.2. CLEC's equipment and facilities will not be placed or operated in such a manner that creates hazards or causes physical harm to any individual or the public.
- 84.3. All equipment to be collocated must meet Level 1 safety requirements as set forth in Telcordia Network Equipment and Building Specifications ("NEBS"), but Embarq will not impose safety requirements on CLEC that are more stringent than the safety requirements it imposes on its own equipment. If Embarq denies collocation of CLEC's equipment, citing safety standards, Embarq must provide to CLEC within five (5) Business Days of the denial a list of all equipment that Embarq locates within the Premises in question, together with an affidavit attesting that all of that equipment meets or exceeds the safety standard that Embarq contends the competitor's equipment fails to meet. In the event that Embarq believes that the collocated equipment is not necessary for interconnection or access to unbundled network elements or determines that CLEC's equipment does not meet NEBS Level 1 safety requirements, CLEC will be given ten (10) Days to comply with the requirements or remove the equipment from the collocation space. If the parties do not resolve the dispute, the Parties may file a complaint at the Commission seeking a formal resolution of the dispute. While the dispute is pending, CLEC will not install said equipment..

- 84.4. CLEC must notify Embarq in writing that collocation equipment installation is complete and is operational with Embarq's network. If CLEC fails to place operational telecommunications equipment in the collocated space and either interconnect to Embarq or install UNEs to its collocation arrangement (per 47 U.S.C 251 Section 251(c)(6)) within one-hundred-eighty (180) Days of CLEC's acceptance of Embarq's price quote, or other time period mutually agreed to by the CLEC and Embarq, Embarq may terminate the applicable Collocation Space upon written notice. CLEC will reimburse Embarq for any actual expenses incurred and not already paid, which may include incidental equipment costs, material ordered, provided or used; labor; transportation, DS0, DS1 and DS3 cable and all other associated costs.
- 84.5. If CLEC has provisioned services to any customers without being in compliance with 84.4 above, CLEC will be billed access rates for all services for the period beginning with the installation of the services until the collocation arrangement is decommissioned or until it is brought into compliance.

85. AUGMENTS AND ADDITIONS

- 85.1. When CLEC modifies the Collocation Arrangement or adds equipment that requires no additional space preparation work on the part of Embarq, Embarq may not impose additional charges or additional intervals that would delay the CLEC's operation. CLEC will notify Embarq of the modifications or additional equipment prior to installation.
- 85.2. In the event CLEC desires to modify or decommission the use of the Collocation Space in a manner that requires additional engineering or preparation work by Embarq, CLEC will complete a subsequent Application detailing all information regarding the modification to the Collocation Space. Such modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, and equipment additions. A major or minor Augments fee will apply. Major Augments include adding or removing power cables, entrance cables, cross-connect cables and switchboard cables. Minor Augments include changes to DC power fuses and extensions of occasional use AC power circuits used temporarily for outlets and light.
- 85.3. CLEC must submit an Application and applicable Application fee to obtain a price quote. CLEC must provide an accurate front equipment view (a.k.a. rack elevation drawing) specifying bay(s) for the CLEC's point of termination. The price quote will contain the charges and the construction interval for that application. The construction interval for augments will not exceed ninety (90) Days from BFFO. If special or major construction is required, Embarq will work cooperatively with CLEC to negotiate mutually agreeable construction intervals for augments.

86. USE OF COMMON AREAS

- 86.1. CLEC, its employees, agents and invitees will have a non-exclusive right to use those portions of the common area of the Building as are designated by Embarq from time to time, including, but not limited to, the right to use rest rooms in proximity to the Collocation Space, corridors and other access ways from the entrance to the Building, the Collocation Space, and the parking areas for vehicles of persons while working for or on behalf of CLEC at the Collocation Space; provided, however, that Embarq will have the right to reserve parking spaces for Embarq's exclusive use or use by other occupants of the Building. Embarq does not guarantee that there is or will be sufficient parking spaces in parking areas to meet CLEC's needs. Embarq does not guarantee that restroom facilities or water will be available. All common areas will remain under the exclusive control and management of Embarq, and Embarq will have the right to change the level, location and arrangement of parking areas and other common areas, as Embarq may deem necessary. Use of all common areas will be subject to such reasonable rules and regulations as Embarq may from time to time impose, consistent with CLEC's right to access its Collocation Space.
- 86.2. Embarq, where water is available for its own use, will furnish running water from regular Building

outlets for drinking, lavatory and toilet purposes drawn through fixtures installed by Embarq, for the non-exclusive use of CLEC, Embarq and any other building occupant. CLEC will not waste or permit the waste of water.

- 86.3. Embarq will furnish Building and Premises security in accordance with its normal business practices. Other than the locks on the entrances to the Collocation Space, Embarq will provide no security specific to CLEC's Collocation Space. Embarq will not be liable to CLEC or any other party for loss of or damage to the Collocation Space or CLEC equipment unless Embarq has failed to provide Building and Premises security in accordance with its normal business practices.
- 86.4. Embarq will furnish passenger elevator service as necessary to reach the Collocation Space or common areas to which CLEC has access pursuant to the terms of this Agreement 24 hours a day, seven (7) days a week. Freight elevator service when used by CLEC's contractors, employees or agents will be provided in a non-discriminatory manner as reasonably determined by Embarq.

87. CO-CARRIER CROSS CONNECTION

- 87.1. Co-carrier cross-connects ("CCXCs") are connections between CLEC and another collocated Telecommunications Carrier other than Embarq, and are only available when both collocation arrangements (either caged, cageless, and/or virtual) being interconnected are within the same Embarq Premises, provided that the collocated equipment is also used for interconnection with Embarq and/or for access to Embarq's unbundled Network Elements. Embarq will provide such CCXCs from CLEC's collocation arrangement to the collocation arrangement of another Telecommunications Carrier in the same Embarq premises under the terms and conditions of this Agreement. CCXC is provided at the same transmission level from CLEC to another Telecommunications Carrier.
 - 87.1.1. Embarq will provide such CCXCs for non-adjacent collocation arrangements at the expense of CLEC per CLEC's request. Embarq will provide connections between CLEC's own non-adjacent virtual and/or physical collocation arrangements within the same central office at the expense of CLEC and provisioned per CLEC's order.
 - 87.1.2. Embarq, at its sole discretion, will permit CLEC to self-provision CCXCs to interconnect its network with that of another adjacently collocated Telecommunications Carrier in the same Embarq Premises without application.
 - 87.1.3. In those cases where CLEC's Virtual and/or Physical Collocation space is adjacent in the Central Office, CLEC may have the option, at Embarq's sole discretion, of using CLEC's own technicians to deploy direct connections ("DCs") using either electrical or optical facilities between the collocation spaces and constructing its own dedicated cable support structure according to Embarq's technical and safety standards.
- 87.2. The term "Adjacent" in this Section 87 refers to collocation arrangements in the same Premises that have a common border; and is not referring to the form of Physical Collocation as described in 47 C.F.R. 51.323(k)(3).

88. RATES

- 88.1. The rates for collocation are listed on Table Two.
- 88.2. If CLEC is the first collocater in the Embarq premises, CLEC will not be responsible for the entire cost of site preparation and security. However, ancillary charges for unique collocater requests for collocation options directly attributable to the requesting collocater will not be prorated. Examples include power arrangements, remote switch module related options and POT bay-related options.
- 88.3. The rates and charges in this Agreement do not include costs for any Americans with Disability

Act (ADA) construction generated or caused by the physical collocation space request. If required, ADA construction will be provided on an ICB. If Embarq is required to upgrade a Premises, or portion of the Premises to comply with the ADA which arises as a direct result of CLEC's Collocation Arrangement, Embarq will prorate the total forward-looking economic cost of the upgrade, and allocate the charge to each CLEC collocated within the Premises, based on the total space utilized by each collocated CLEC. In the event that Embarq benefits in any way from the ADA upgrades, Embarq will share in the proration of costs. In the event Embarq is the sole beneficiary of an upgrade (e.g., an upgrade would have had to be made regardless of whether or not a CLEC was collocated in the Premises), Embarq will absorb all of the costs related to such an upgrade.

88.4. Facility Modifications

- 88.4.1. To the extent that a modification is made for the specific benefit of any particular party, costs of modification are to be proportionately born by those who directly benefit including the ILEC. The cost is allocated using the proportion of the new space occupied to the total new space made available.
- 88.4.2. If a non-requesting party benefits from the modification, e.g. using the opportunity to bring their equipment or arrangement into compliance with certain standards, or making adjustments leading to improvement, then the party will be deemed to be sharing. This party will be responsible for its share of the modification costs.
- 88.4.3. None of the costs will be allocated to a third party that gains incidental benefit, but did not cause the modification or modify their facilities.
- 88.4.4. If a current user of space subsequently initiates new uses of the modified facility by other parties to avoid modification costs or if new entrants use the facility, they will share in the modification costs. The modifying party(s) may recover a proportionate share of the modification costs from parties that later are able to obtain access as a result of the modification. If measurable depreciation has occurred as a result of the modification, the subsequent party may pay a lower cost.
- 88.4.5. Parties requesting or joining in a modification also will be responsible for resulting costs to maintain the facility on an ongoing basis.

89. EMBARQ SERVICES AND OBLIGATIONS

- 89.1. Embarq will furnish air conditioning and/or other environmental controls for the area in which the Collocation Space is located in a manner consistent with those provided elsewhere in the building. Embarq will furnish air conditioning and/or other environmental controls for the Collocation Space based on information provided by CLEC to Embarq in its Application which CLEC hereby represents to Embarq is sufficient to allow the CLEC equipment to function without risk of harm or damage to the Collocation Space, the building or any equipment or facilities of Embarq or any other occupant of the building. These environmental conditions will adhere to Telcordia Network Equipment Building System (NEBS) standards GR-63-CORE Issue 2 or other mutually agreed upon standards.
 - 89.1.1. If CLEC locates equipment or facilities in the Collocation Space which Embarq determines, in the exercise of its sole discretion, affect the temperature or other environmental conditions otherwise maintained by Embarq in the building, Embarq reserves the right to provide and install supplementary air conditioning units or other environmental control devices in the Collocation Space, and the cost of providing, installing, operating and maintaining any such supplementary air conditioning units or other environmental control devices made necessary solely by CLEC's equipment or facilities will be paid by CLEC to Embarq. If supplementary air conditioning units or other environmental control devices are required for more than one CLEC each CLEC

will pay a pro-rata share of such costs, in proportion to the space occupied by each as compared to the total space available for collocation.

- 89.2. If Embarq, in the exercise of its reasonable business judgment, determines that the electricity provided to CLEC pursuant to this Section is insufficient to support the activity being carried on by the CLEC in the Collocation Space, Embarq may require the installation of additional electrical circuits to provide CLEC with additional electricity and CLEC will reimburse Embarq for any expenses incurred in making such additional electrical circuits available to CLEC's Collocation Space. CLEC will also pay for additional electricity provided via these circuits.
- 89.2.1. CLEC covenants and agrees that Embarq will not be liable or responsible to CLEC for any loss, damage or expense which CLEC may sustain or incur if either the quality or character of electrical service is changed or is no longer suitable for CLEC's requirements.
- 89.2.2. CLEC agrees to request in writing, via a complete and accurate Application, all electrical needs to power its equipment. The Application will contain the total power needs, the date needed, and the exact location where termination of the electrical power will occur. Actual power usage of the CLEC's equipment will not exceed the requested capacity.
- 89.2.3. Central office power supplied by Embarq into the CLEC equipment area will be supplied in the form of power feeders (cables) on cable racking into the designated CLEC equipment area. The power feeders (cables) will efficiently and economically support the requested quantity and capacity of CLEC equipment. The termination location will be as agreed by the parties.
- 89.2.4. Embarq will provide power as requested by CLEC to meet CLEC's need for placement of equipment, interconnection, or provision of service.
- 89.2.5. Embarq power equipment supporting CLEC's equipment will:
- 89.2.5.1. Comply with applicable industry standards (e.g., Telcordia, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices, and physical equipment layout or at minimum, at Parity with that provided for similar Embarq equipment;
 - 89.2.5.2. Have redundant power feeds with physical diversity and battery back-up as required by the equipment manufacturer's specifications for CLEC equipment, or, at minimum, at parity with that provided for similar Embarq equipment;
 - 89.2.5.3. Provide, upon CLEC's request and at CLEC's expense, the capability for real time access to power performance monitoring and alarm data that impacts (or potentially may impact) CLEC traffic;
 - 89.2.5.4. Provide central office ground, connected to a ground electrode located within the Collocated Space, at a level above the top of CLEC equipment plus or minus two (2) feet to the left or right of CLEC's final request; and
 - 89.2.5.5. Provide feeder cable capacity and quantity to support the ultimate equipment layout for CLEC's equipment in accordance with CLEC's collocation request.
- 89.2.6. Embarq will provide cabling that adheres to Telcordia Network Equipment Building System (NEBS) standards GR-63-CORE Issue 2;
- 89.2.7. Embarq will provide Lock Out-Tag Out and other electrical safety procedures and devices in conformance with the most stringent of OSHA or industry guidelines.
- 89.2.8. Embarq will provide CLEC with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the collocated facility that will

or might cause an outage or any type of power disruption to CLEC equipment located in Embarq facility. Embarq will provide CLEC immediate notification by telephone of any emergency power activity that would impact CLEC's equipment.

- 89.3. Embarq will provide fire protection systems in Embarq buildings and on Embarq premises as required by Federal and State regulatory rules and in full compliance with local ordinances. Embarq will furnish fire or smoke detection systems designed to comply with the National Fire Protection Association (NFPA) Standards on Automatic Fire Detectors.
- 89.3.1. Stand alone fire extinguishers will be provided in and about the Building and the Collocation Space by Embarq as required by applicable fire codes.
- 89.3.2. Embarq and Embarq's insurance carriers will perform regular inspections of fire protection systems, and CLEC hereby agrees to provide Embarq and Embarq's insurance carriers' access to the Collocation Space for purposes of such inspections, via pass key or otherwise. Embarq agrees to provide CLEC with notice of its intent to access CLEC's Collocation Space where, in Embarq's sole discretion, such notice is practicable; provided, however, that no failure of Embarq to give such notice will affect Embarq's right of access or impose any liability on Embarq. Embarq will, at its expense, maintain and repair the fire and smoke detection systems unless maintenance or repair is required due to the act or omission of CLEC, its employees, agents or invitees, in which case CLEC will reimburse Embarq for the cost of such repair or replacement. If a Halon or alternative fire suppression system is in place, the CLEC will, if at fault, and at Embarq's option, replace Halon or other fire extinguishing material discharged as a result of CLEC's act or omission. CLEC will have no duty to inspect fire protection systems outside the Collocation Space; provided, however, if CLEC is aware of damage to the fire protection systems it will promptly notify Embarq.
- 89.3.3. CLEC is aware the Collocation Space will contain a fire detection system and may contain a fire suppression system. In the event of discharge, Embarq is relieved of all liability for damage to equipment or personal injury except in cases where such damage to equipment or personal injury is due to the willful misconduct of Embarq, its officers, agents or employees.
- 89.4. Embarq will, at its sole expense, except as hereinafter provided, provide repair and maintenance of heating, cooling and lighting equipment and regularly scheduled refurbishment or decorating to the Collocation Space, building and Premises, in a manner consistent with Embarq's normal business practices.
- 89.4.1. Embarq will not be obligated to inspect the Collocation Space, make any repairs or perform any maintenance unless first notified of the need in writing by CLEC. If Embarq will fail to commence the repairs or maintenance within twenty (20) Days after written notification, provided that the delay are not caused by CLEC, CLEC's sole right and remedy will be, after further notice to Embarq, to make such repairs or perform such maintenance and to deduct that cost and expenses from the physical collocation fees payable; provided, however, that the amount of such deduction will not exceed the reasonable value of such repairs or maintenance.
- 89.4.2. Embarq will, where practical, provide CLEC with twenty-four (24) hours prior notice before making repairs and/or performing maintenance on the Collocation Space; provided, however, that Embarq will have no obligation to provide such notice if Embarq determines, in the exercise of its sole discretion, that such repair or maintenance must be done sooner in order to preserve the safety of the Building or the Collocation Space, or if required to do so by any court or governmental authority. Work will be completed during normal working hours or at other times identified by Embarq. CLEC will pay Embarq for overtime and for any other expenses incurred if such work is done during other than normal working hours at CLEC's request. CLEC will have the right, at its sole expense,

to be present during repair or maintenance of the Collocation Space.

- 89.4.3. The cost of all repairs and maintenance performed by or on behalf of Embarq to the Collocation Space which are, in Embarq's reasonable judgment, beyond normal repair and maintenance, or are made necessary as a result of misuse or neglect by CLEC or CLEC's employees, invitees or agents, will be paid by CLEC to Embarq within ten (10) Days after being billed for the repairs and maintenance by Embarq.
- 89.5. Embarq will provide CLEC with notice via email three (3) Business Days prior to those instances where Embarq or its subcontractors perform work which is known to be a service affecting activity. Embarq will inform CLEC by e-mail of any unplanned service outages. Notification of any unplanned service outages will be made as soon as practicable after Embarq learns that such outage has occurred.
- 89.6. Embarq reserves the right to stop any service when Embarq deems such stoppage necessary by reason of accident or emergency, or for repairs, improvements or otherwise; however, Embarq agrees to use its best efforts not to interfere with CLEC's use of Collocation Space. Embarq does not warrant that any service will be free from interruptions caused by labor controversies, accidents, inability to obtain fuel, water or supplies, governmental regulations, or other causes beyond the reasonable control of Embarq.
 - 89.6.1. No such interruption of service will be deemed an eviction or disturbance of CLEC's use of the Collocation Space or any part thereof, or render Embarq liable to CLEC for damages, by abatement of CLEC Fees or otherwise, except as set forth in the Tariff, or relieve CLEC from performance of its obligations under this Agreement. CLEC hereby waives and releases all other claims against Embarq for damages for interruption or stoppage of service.
- 89.7. For physical collocation, subject to reasonable building rules and any applicable Security Arrangements, CLEC will have the right of entry twenty-four (24) hours per day seven (7) days a week to the building, common areas, Collocation Space and common cable space.
 - 89.7.1. Embarq reserves the right to close and keep locked all entrance and exit doors of the Premises during hours Embarq may deem advisable for the adequate protection of the Premises. Use of the Premises at any time it is unattended by appropriate Embarq personnel, or on Sundays and state and federal or other holidays recognized by Embarq, or, if CLEC's Collocation Space is not fully segregated from areas of the Premises containing Embarq equipment, will be subject to such reasonable rules and regulations as Embarq may from time to time prescribe for its own employees and third party contractors.
 - 89.7.2. Embarq reserves the right to require all persons entering or leaving the Premises during such hours as Embarq may from time to time reasonably determine to identify themselves to a watchman by registration or otherwise and to establish their right to leave or enter, and to exclude or expel any solicitor or person at any time from the Collocation Space or the Premises. Embarq is not responsible and will not be liable for any damage resulting from the admission or refusal to admit any unauthorized person or from the admission of any authorized person to the Premises.
- 89.8. Embarq will have access to CLEC's Physical Collocation Space at all times, via pass key or otherwise, to allow Embarq to react to emergencies, to maintain the space (not including CLEC's equipment), and to monitor compliance with the rules and regulations of the Occupational Health and Safety Administration or Embarq, or other regulations and standards including but not limited to those related to fire, safety, health, and environmental safeguards. If a secure enclosure defining the location of the CLEC's Collocation Space has been established, and if conditions permit, Embarq will provide CLEC with notice (except in emergencies) of its intent to access the Collocation Space, thereby providing CLEC the option to be present at the time of access. CLEC will not attach, or permit to be attached, additional locks or similar devices to any door or window,

nor change existing locks or the mechanism thereof.

- 89.8.1. Embarq may enter the Collocation Space for the purposes of examining or inspecting same and of making such repairs or alterations as Embarq deems necessary. CLEC hereby waives any claim for damage, injury, interference with CLEC's business, any loss of occupancy or quiet enjoyment of the Collocation Space, and any other loss occasioned by the exercise of Embarq's access rights, except in the event such damages result solely from the willful misconduct of Embarq.
- 89.8.2. Embarq may use any means Embarq may deem proper to open Collocation Space doors or enclosures in an emergency. Entry into the Collocation Space obtained by Embarq by any such means will not be deemed to be forcible or unlawful entry into or a detainment of or an eviction of CLEC from the Collocation Space or any portion thereof.

90. CLEC'S OBLIGATIONS

- 90.1. CLEC will regularly inspect the Collocation Space to ensure that the Collocation Space is in good condition. CLEC will promptly notify Embarq of any damage to the Collocation Space or of the need to perform any repair or maintenance of the Collocation Space, fixtures and appurtenances (including hardware, heating, cooling, ventilating, electrical, and other mechanical facilities in the Collocation Space). CLEC will provide regular janitorial service to its Collocation Space and keep the Collocation Space clean and trash free.
- 90.2. CLEC agrees to abide by all of Embarq's security practices for non-Embarq employees with access to the building, including, without limitation:
 - 90.2.1. CLEC must obtain non-employee photo identification cards for each CLEC employee or vendor. Temporary identification cards may otherwise be provided by Embarq for employees or agents, contractors and invitees of CLEC who may require occasional access to the Collocation Space.
 - 90.2.2. CLEC will supply to Embarq the completed access form for employees or approved vendors who require access to the Premises. Embarq may reasonably deny access to any person into the building. Embarq's objections will be consistent with the grounds for denying access to personnel of its own contractors or for denying employment directly with Embarq. Embarq may issue security cards, codes, or keys to CLEC's listed employees or vendors where such systems are available and their use by CLEC will not otherwise compromise building security. The rate for the issuance of security cards is listed on Table Two.
 - 90.2.3. CLEC is responsible for returning identification and security cards, codes, or keys of its terminated employees or its employees who no longer require access to the Collocation Space. All cards, codes, or keys must be returned upon termination of the applicable Collocation Space. CLEC will reimburse Embarq actual costs due to unreturned or replacement cards, codes, or keys.
 - 90.2.4. In the event that a key is lost, CLEC is responsible for costs associated with recoring locks and reissuing keys to Embarq and other parties authorized to access the Premise.
 - 90.2.5. CLEC's employees, agents, invitees and vendors must display identification cards at all times.
 - 90.2.6. CLEC will assist Embarq in validation and verification of identification of its employees, agents, invitees and vendors by providing a telephone contact available twenty-four (24) hours a day, seven (7) days a week to verify identification.
 - 90.2.7. Removal of all furniture, equipment or similar articles will be based on local Embarq security practices. These security practices will not be more stringent for CLEC than

Embarq requires for its own employees or Embarq's contractors.

- 90.2.8. Before leaving the Collocation Space unattended, CLEC will close and securely lock all doors and windows and shut off unnecessary equipment in the Collocation Space. Any injury to persons or damage to the property of Embarq or any other party with equipment in the Building resulting from CLEC's failure to do so will be the responsibility of CLEC. CLEC will defend and indemnify Embarq from and against any claim by any person or entity resulting in whole or in part from CLEC's failure to comply with this section.
- 90.2.9. CLEC agrees that Embarq may provide a security escort for physical collocation, at no cost or undue delay to CLEC, to CLEC personnel while on Embarq Premises. While such escort will not be a requirement to CLEC's entry into the Building, CLEC must allow the security escort to accompany CLEC personnel at all times and in all areas of the Building, including the Collocation Space, if so requested.
- 90.2.10. CLEC will post in a prominent location visible from the common building area, the names and telephone numbers of emergency contact personnel along with names and telephone numbers of their superiors for 24 hour emergency use by Embarq. CLEC will promptly update this information as changes occur.
- 90.3. CLEC will provide Embarq with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the collocated facility that will or might cause an outage or any type of power disruption to Embarq equipment located in CLEC facility. CLEC will provide Embarq immediate notification by telephone of any emergency power activity that would impact Embarq equipment.
- 90.4. CLEC will not provision and/or install Uninterruptible Power Supply ("UPS") systems within the Embarq premises. The customer is permitted to install Inverted Power Systems if and only if documented compliance with National Equipment Building Standards (NEBS) III and Listing by Underwriters Laboratory (UL) has been met.
- 90.5. CLEC will not place Electro-Chemical Storage Batteries of any type inside the Collocation Space.
- 90.6. CLEC will provide Embarq with written notice three (3) Business Days prior to those instances where CLEC or its subcontractors perform work, which is to be a known service affecting activity. CLEC will inform Embarq by e-mail of any unplanned service outages. The parties will then agree upon a plan to manage the outage so as to minimize customer interruption. Notification of any unplanned service outage will be made as soon as practicable after CLEC learns that such outage has occurred so that Embarq can take any action required to monitor or protect its service.
- 90.7. CLEC may, at its own expense, install and maintain regular business telephone service in the Collocation Space. If requested by CLEC and at CLEC's expense, Embarq will provide basic telephone service with a connection jack in the Collocation Space.
- 90.8. CLEC will, with the prior written consent of Embarq, have the right to provide additional fire protection systems within the Collocation Space; provided, however, that CLEC may not install or use sprinklers or carbon dioxide fire suppression systems within the building or the Collocation Space.
- 90.8.1. If any governmental bureau, department or organization or Embarq's insurance carrier requires that changes or modifications be made to the fire protection system or that additional stand alone fire extinguishing, detection or protection devices be supplied within that portion of the building in which the Collocation Space of CLECs in general are located, such changes, modifications, or additions will be made by Embarq and CLEC will reimburse Embarq for the cost thereof in the same proportion as the size of the CLEC's Collocation Space as compared to the total available collocation space in the affected portion of the building.

- 90.9. CLEC will identify and will notify Embarq in writing of any Hazardous Materials CLEC may bring onto the Premises, and will provide Embarq copies of any inventories or other data provided to State Emergency Response Commissions (“SERCs”), Local Emergency Planning Committees (“LEPCs”), or any other governmental agencies if required by the Emergency Planning and Community Right to Know Act (41 U.S.C. 11001, *et seq.*). CLEC, its agents and employees will transport, store and dispose of Hazardous Materials in accordance with all applicable federal, state or local laws, ordinances, rules and regulations. CLEC will promptly notify Embarq of any releases of Hazardous Materials and will copy Embarq on any notification of or correspondence with any governmental agency which may be required by any environmental law as a result of such release.
- 90.9.1. CLEC will provide Embarq copies of all Material Safety Data Sheets (“MSDSs”) for materials or chemicals regulated under the OSHA Hazard Communication Standard (29 C.F.R. 1910.1200) that are brought onto the property. All such materials will be labeled in accordance with 29 C.F.R. 1910.1200 and applicable state regulations if such regulations are more stringent.
- 90.9.2. If Embarq discovers that CLEC has brought onto Embarq’s Premises Hazardous Materials without notification, or is storing or disposing of such materials in violation of any applicable environmental law, Embarq may, at Embarq’s option and without penalty, terminate the applicable Collocation Space or, in the case of pervasive violation, this Agreement or suspend performance hereunder. CLEC will be responsible for, without cost to Embarq, the complete remediation of any releases or other conditions caused by its storage, use or disposal of Hazardous Materials. CLEC will also be responsible for removing and disposing of all Hazardous Materials on its Collocation Space at the termination of the applicable Collocation Space or this Agreement. If Embarq elects to terminate the applicable Collocation Space or this Agreement or discontinue the performance of services hereunder due to the storage, use or disposal of Hazardous Materials contrary to the terms of this Agreement, CLEC will have no recourse against Embarq and will be responsible for all costs and expenses associated with such termination or suspension of service in addition to being responsible for any remedies available to Embarq for defaults under this Agreement.
- 90.9.3. CLEC shall indemnify and hold harmless Embarq, its successors and assigns against, and in respect of, any and all damages, claims, losses, liabilities and expenses, including, without limitation, all legal, accounting, consulting, engineering and other expenses, which may be imposed upon, or incurred by, Embarq or asserted against Embarq by any other party or parties (including, without limitation, Embarq’s employees and/or contractors and any governmental entity) arising out of, or in connection with, CLEC’s use, storage or disposal of Hazardous Materials.
- 90.9.4. For purposes of this Section, “Hazardous Materials” means any toxic substances and/or hazardous materials or hazardous wastes (including, without limitation, asbestos) as defined in, or pursuant to, the OSHA Hazard Communication Standard (29 C.F.R. Part 1910, Subpart Z), the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6901, *et seq.*), or regulations adopted pursuant to those statutes, the Toxic Substances Control Act (15 U.S.C. § 2601, *et seq.*), the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. § 9601, *et seq.*) or any other federal, state or local environmental law, ordinance, rule or regulation. The provisions of this Section shall survive the termination, cancellation, modification or recession of this Agreement.
- 90.10. CLEC shall not do or permit anything to be done upon the Collocation Space, or bring or keep anything thereon which is in violation of any federal, state or local laws or regulations (including environmental laws or regulations not previously described), or any rules, regulations or requirements of the local fire department, Fire Insurance Rating Organization, or any other similar authority having jurisdiction over the building. CLEC shall not do or permit anything to be done upon the Collocation Space which may in any way create a nuisance, disturb, endanger, or

otherwise interfere with the Telecommunications Services of Embarq, any other occupant of the building, their patrons or customers, or the occupants of neighboring property, or injure the reputation of the Premises.

- 90.10.1. CLEC shall not exceed the Uniformly Distributed Live Load Capacity. Embarq will evaluate and determine Live Load Capacity rating on a site specific basis prior to equipment installation. CLEC agrees to provide Embarq with equipment profile information prior to installation authorization.
- 90.10.2. CLEC shall not paint, display, inscribe or affix any sign, trademark, picture, advertising, notice, lettering or direction on any part of the outside or inside of the building, or on the Collocation Space, without the prior written consent of Embarq.
- 90.10.3. CLEC shall not use the name of the building or Embarq for any purpose other than that of the business address of CLEC, or use any picture or likeness of the building on any letterhead, envelope, circular, notice, or advertisement, without the prior written consent of Embarq.
- 90.10.4. CLEC shall not exhibit, sell or offer for sale, rent or exchange in the Collocation Space or on the Premises any article, thing or service except those ordinarily embraced within the use of the Collocation Space specified in Sections 3 and 11 of this Agreement without the prior written consent of Embarq.
- 90.10.5. CLEC shall not place anything or allow anything to be placed near the glass of any door, partition or window which Embarq determines is unsightly from outside the Collocation Space; take or permit to be taken in or out of other entrances of the building, or take or permit to be taken on any passenger elevators, any item normally taken through service entrances or elevators; or whether temporarily, accidentally, or otherwise, allow anything to remain in, place or store anything in, or obstruct in any way, any passageway, exit, stairway, elevator, or shipping platform. CLEC will lend its full cooperation to keep such areas free from all obstruction and in a clean and neat condition, move all supplies, furniture and equipment directly to the Collocation Space as soon as received, and move all such items and waste, other than waste customarily removed by employees of the building.
- 90.10.6. CLEC shall not, without the prior written consent of Embarq install or operate any lead-acid batteries, refrigerating, heating or air conditioning apparatus or carry on any mechanical business in the Collocation Space. Embarq may, in its sole discretion, withhold such consent, or impose any condition in granting it, and revoke its consent at will.
- 90.10.7. CLEC shall not use the Collocation Space for housing, lodging or sleeping purposes.
- 90.10.8. CLEC shall not permit preparation or warming of food, presence of cooking or vending equipment, sale of food or smoking in the Collocation Space.
- 90.10.9. CLEC shall not permit the use of any fermented, intoxicating or alcoholic liquors or substances in the Collocation Space or permit the presence of any animals except those used by the visually impaired.
- 90.11. CLEC, its employees, agents, contractors, and business invitees will:
 - 90.11.1. comply with all rules and regulations which Embarq may from time to time adopt for the safety, environmental protection, care, cleanliness and/or preservation of the good order of the building, the Premises and the Collocation Space and its tenants and occupants, and
 - 90.11.2. comply, at its own expense, with all ordinances which are applicable to the Collocation

Space and with all lawful orders and requirements of any regulatory or law enforcement agency requiring the correction, prevention and abatement of nuisances in or upon the Collocation Space during the Term of this Agreement or any extension hereof.

- 90.12. CLEC shall not make installations, alterations or additions in or to the Collocation Space without submitting plans and specifications to Embarq and securing the prior written consent of Embarq in each instance. Embarq's consent will not be unreasonably withheld or unduly delayed for non-structural interior alteration to the Collocation Space that do not adversely affect the building's appearance, value, structural strength and mechanical integrity. Such work will be done at the sole expense of CLEC.
- 90.12.1. All installations, alterations and additions will be constructed in a good and workmanlike manner and only new and good grades of material will be used, and will comply with all insurance requirements, governmental requirements, and terms of this Agreement. Work will be performed at such times and in such manner as to cause a minimum of interference with Embarq's transaction of business. CLEC will permit Embarq to inspect all construction operations within the Collocation Space.
- 90.12.2. All installations, alterations and additions which take the form of fixtures, except trade fixtures, placed in the Collocation Space by and at the expense of CLEC or others shall become the property of Embarq, and shall remain upon and be surrendered with the Collocation Space. Upon termination of this Agreement, however, Embarq will have the right to require CLEC to remove such fixtures and installations, alterations or additions at CLEC's expense, and to surrender the Collocation Space in the same condition as it was prior to the making of any or all such improvements, reasonable wear and tear excepted.
- 90.12.3. All fixtures and other equipment to be used by CLEC in, about or upon the Collocation Space will be subject to the prior written approval of Embarq, which will not be unreasonably withheld.
- 90.13. Fireproofing Policy. CLEC shall not cut or drill into, drive nails or screws into, install conduit or wires, or in any way deface any part of the Collocation Space or the Building, outside or inside, without the prior written consent of Embarq. If CLEC desires signal, communications, alarm or other utility or service connections installed or changed, such connections will be made by and at the expense of CLEC. Embarq will have the right of prior approval of such utility or service connections, and will direct where and how all connections and wiring for such service will be introduced and run. In all cases, in order to maintain the integrity of the Halon space for proper Halon concentration, and to ensure compliance with Embarq's fireproofing policy, any penetrations by CLEC, whether in the Collocation Space, the building or otherwise, will be sealed as quickly as possible by CLEC with Embarq-approved fire barrier sealants, or by Embarq at CLEC's cost.
- 90.14. Equipment Grounding. CLEC equipment will be connected to Embarq's grounding system.
- 90.15. Representations and Warranties. CLEC hereby represents and warrants that the information provided to Embarq in any Application or other documentation relative to CLEC's request for telecommunications facility interconnection and Central Office building collocation as contemplated in this Agreement is and will be true and correct, and that CLEC has all necessary corporate and regulatory authority to conduct business as a telecommunications carrier. Any violation of this Section will be deemed a material breach of this Agreement.

91. BUILDING RIGHTS

- 91.1. Embarq may, without notice to CLEC:
- 91.1.1. Change the name or street address of the Premises;
- 91.1.2. Install and maintain signs on the exterior and interior of the Premises or anywhere on the

Premises;

- 91.1.3. Designate all sources furnishing sign painting and lettering, ice, mineral or drinking water, beverages, foods, towels, vending machines or toilet supplies used or consumed in the Collocation Space;
- 91.1.4. Have pass keys or access cards with which to unlock all doors in the Collocation Space, excluding CLEC's safes;
- 91.1.5. Reduce heat, light, water and power as required by any mandatory or voluntary conservation programs;
- 91.1.6. Approve the weight, size and location of safes, computers and all other heavy articles in and about the Collocation Space and the Building, and to require all such items and other office furniture and equipment to be moved in and out of the Building or Collocation Space only at such times and in such a manner as Embarq may direct and in all events at CLEC's sole risk and responsibility;
- 91.1.7. At any time, to decorate and to make, at its own expense, repairs, alterations, additions and improvements, structural or otherwise, in or to the Collocation Space, the Premises, or any part thereof (including, without limitation, the permanent or temporary relocation of any existing facilities such as parking lots or spaces), and to perform any acts related to the safety, protection or preservation thereof, and during such operations to take into and through the Collocation Space or any part of the Premises all material and equipment required, and to close or suspend temporarily operation of entrances, doors, corridors, elevators or other facilities. Embarq will limit inconvenience or annoyance to CLEC as reasonably possible under the circumstances;
- 91.1.8. Do or permit to be done any work in or about the Collocation Space or the Premises or any adjacent or nearby building, land, street or alley;
- 91.1.9. Grant to anyone the exclusive right to conduct any business or render any service on the Premises, provided such exclusive right will not operate to exclude CLEC from the use expressly permitted by this Agreement, unless Embarq exercises its right to terminate this Agreement with respect to all or a portion of the Collocation Space;
- 91.1.10. Close the Building at such reasonable times as Embarq may determine, under such reasonable regulations as may be prescribed from time to time by Embarq subject to CLEC's right to access.
- 91.2. If the owner of the Building or Embarq sells, transfers or assigns any interest in the Building, or there is any material change in the Lease to which the Building is subject, and such sale, transfers assignment or material change in the Lease gives rise to an obligation which is inconsistent with this Agreement, Embarq's performance under this Agreement shall be excused to the extent of the inconsistency. Embarq hereby agrees that it will use its reasonable efforts to avoid any such inconsistency; provided, however, that this obligation shall in no way obligate Embarq to incur any out of pocket expenses in its efforts to avoid such inconsistencies.
- 91.3. This Agreement shall at all times be subject and subordinate to the lien of any mortgage (the terms of which shall include all security instruments) that may be placed on the Collocation Space and CLEC agrees, upon demand, to execute any instrument as may be required to effectuate such subordination.

92. PARTIAL DESTRUCTION

- 92.1. If the Collocation Space or a portion thereof sufficient to make the Collocation Space substantially unusable, is destroyed or rendered unoccupiable by fire or other casualty, Embarq may, at its option, restore the Collocation Space to its previous condition. CLEC's rights to the applicable

Collocation Space will not terminate unless, within ninety (90) Days after the occurrence of such casualty, Embarq notifies CLEC of its election to terminate CLEC's rights to the applicable Collocation Space. If Embarq does not elect to terminate CLEC's rights to the applicable Collocation Space, Embarq will repair the damage to the Collocation Space caused by such casualty.

92.2. Notwithstanding any other provision of this Agreement to the contrary, if any casualty is the result of any act, omission or negligence of CLEC, its agents, employees, contractors, CLECs, customers or business invitees, unless Embarq otherwise elects, the CLEC's rights to the applicable Collocation Space will not terminate, and, if Embarq elects to make such repairs, CLEC will reimburse Embarq for the cost of such repairs, or CLEC will repair such damage, including damage to the building and the area surrounding it, and the collocation fees will not abate.

92.3. If the building is damaged by fire or other casualty to the extent that portions are rendered unoccupiable, notwithstanding that the Collocation Space may be directly unaffected, Embarq may, at its election within ninety (90) Days of such casualty, terminate CLEC's rights to the applicable Collocation Space by giving written notice of its intent to terminate CLEC's rights to the applicable Collocation Space. The termination as provided in this paragraph will be effective thirty (30) Days after the date of the notice.

93. EMINENT DOMAIN

93.1. If the Premises, or any portion thereof which includes a substantial part of the Collocation Space, is taken or condemned by any competent authority for any public use or purpose, CLEC's rights to the applicable Collocation Space will end upon, and not before, the date when the possession of the part so taken will be required for such use or purpose. If any condemnation proceeding is instituted in which it is sought to take or damage any part of the Premises, or if the grade of any street or alley adjacent to the Premises is changed by any competent authority and such change of grade makes it necessary or desirable to remodel the Premises to conform to the changed grade, Embarq shall have the right to terminate CLEC's rights to the applicable Collocation Space upon not less than thirty (30) Days notice prior to the date of cancellation designated in the notice. No money or other consideration will be payable by Embarq to CLEC for such cancellation, and the CLEC shall have no right to share in the condemnation award or in any judgment for damages caused by such eminent domain proceedings.

94. BANKRUPTCY

94.1. If any voluntary or involuntary petition or similar pleading under any section or sections of any bankruptcy act is filed by or against CLEC, or any voluntary or involuntary proceeding in any court or tribunal is instituted to declare CLEC insolvent or unable to pay CLEC's debts, or CLEC makes an assignment for the benefit of its creditors, or a trustee or receiver is appointed for CLEC or for the major part of CLEC's property, Embarq may, if Embarq so elects but not otherwise, and with or without notice of such election or other action by Embarq, forthwith terminate this Agreement.

95. ASBESTOS

95.1. CLEC is aware the Premises in which the Collocation Space is located may contain or have contained asbestos or asbestos containing building materials, and CLEC is hereby notified that the Premises in which the Collocation Space is located may contain asbestos or asbestos containing building material (ACBM). CLEC agrees that it is responsible for contacting the appropriate Embarq manager responsible for the Premises to determine the presence, location and quantity of asbestos or ACBM that CLEC's employees, agents, or contractors may reasonably expect to encounter while performing activities in the Premises. CLEC will not have responsibility or liability for any damages, expenses, costs, fees, penalties of any kind arising out of, or in connection with, or resulting from the disturbance of asbestos or ACBM in the Premises unless

such disturbance arises out of or in connection with, or results from CLEC's use of the Collocation Space or placement of equipment onto ACBM or into areas containing asbestos identified by Embarq. Embarq agrees to provide CLEC reasonable notice prior to undertaking any asbestos control, abatement, or other activities which may disturb asbestos or ACBM that could potentially affect CLEC's equipment or operations in the Collocation Space, including but not limited to the contamination of such equipment. Embarq will not have responsibility or liability for any damages, expenses, costs, fees, penalties of any kind arising out of, or in connection with the presence of asbestos in Embarq Premises.

96. MISCELLANEOUS

- 96.1. CLEC warrants that it has had no dealings with any broker or agent in connection with this Agreement, and covenants to pay, hold harmless and indemnify Embarq from and against any and all cost, expense or liability for any compensation, commissions and charges claimed by any broker or agent with respect to this Agreement or the negotiation thereof.
- 96.2. Submission of this instrument for examination or signature by Embarq does not constitute a reservation of or option for license and it is not effective, as a license or otherwise, until execution and delivery by both Embarq and CLEC.
- 96.3. Neither Embarq nor its agents have made any representation or warranties with respect to the Collocation Space of this Agreement except as expressly set forth herein; no rights, easements, or licenses will be acquired by CLEC by implication or otherwise unless expressly set forth herein.
- 96.4. In the event of work stoppages, Embarq may establish separate entrances for use by personnel of CLEC. CLEC shall comply with any emergency operating procedures established by Embarq to deal with work stoppages.
- 96.5. The individuals executing this Agreement on behalf of CLEC represent and warrant to Embarq they are fully authorized and legally capable of executing this Agreement on behalf of CLEC.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized representatives and the Agreement is effective as of the day and year first above written.

CLEC:

EMBARQ:

By:

By:

Name: William E. Braun
Title: Vice President and General Counsel

Name: William E. Cheek
President, Wholesale Markets

Date:

Date:

EXHIBIT A

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Table One

KEY CODES		EMBARQ RATE ELEMENT COST SUMMARY:	TENNESSEE	7/10/2006
MRC	NRC			
		RESALE DISCOUNTS	MRC	NRC
		Other than Operator / DA	12.70%	
		Op Assist / DA	12.70%	
		USAGE FILE CHARGES	MRC	NRC
UF01		Message Provisioning, per message	\$0.000684	
UF02		Data Transmission, per message	\$0.00000	
	DB008	Media Charge - per CD (Price reflects shipping via regular U.S. Mail)		\$18.00
		OTHER CHARGES	MRC	NRC
	UP026	Temporary Suspension of Service for Resale - SUSPEND		\$0.00
	UP027	Temporary Suspension of Service for Resale - RESTORE		\$21.00
	UP028	PIC Change Charge, per change		Per Tariff
	DA030	Operator Assistance / Directory Assistance Branding		ICB
		UNE LOOP, TAG & LABEL / RESALE TAG & LABEL	MRC	NRC
	OC013	Tag and Label on a reinstall loop or an existing loop or resale		\$8.72
		TRIP CHARGE	MRC	NRC
	OC003	Trip Charge		\$18.11
		SERVICE ORDER / INSTALLATION / REPAIR	MRC	NRC
	SO001	Manual Service Order NRC		\$16.99
	SO002	Manual Service Order - Listing Only		\$16.99
	SO003	Manual Service Order - Change Only		\$16.99
	SO004	Electronic Service Order (IRES)		\$9.40
	SO005	Electronic Service Order - Listing Only		\$9.40
	SO006	Electronic Service Order - Change Only		\$9.40
	OC008	2-Wire Loop Cooperative Testing		\$38.16
	OC009	4-Wire Loop Cooperative Testing		\$46.88
	OC010	Trouble Isolation Charge		\$74.10
	OC016	Change Telephone Number, per change		\$9.40
	OC017	LNP Coordinated Conversion - Lines 1 -10		\$66.42
	OC018	LNP Coordinated Conversion - Each additional line		\$4.59
	OC023	LNP Conversion - 10 Digit Trigger		\$0.00
		UNE to Special Access or Special Access to UNE Conversions or Migrations (includes EEL)		
	OC021	DS1 Loop, per circuit		\$99.88
	OC021	DS1 Transport, per circuit		\$99.88

	OC022	DS3 Loop, per circuit		ICB
	OC022	DS3 Transport, per circuit		ICB
		PRE-ORDER LOOP QUALIFICATION	MRC	NRC
	PQ001	Loop Make-Up Information		\$12.00
		LOOPS (RATES INCLUDE NID CHARGE)	MRC	NRC
		2-Wire Analog		
AA013		Band 1	\$26.31	
AA014		Band 2	\$45.96	
AA015		Band 3	\$71.71	
	AA002	First Line		\$95.82
	AA003	Second Line and Each Additional Line (same time)		\$40.46
	AA004	Re-install (Cut Thru and Dedicated/Vacant)		\$37.87
	AA005	Disconnect		\$33.45
		4-Wire Analog		
AA017		Band 1	\$50.41	
AA018		Band 2	\$89.28	
AA019		Band 3	\$140.38	
	AA008	First Line		\$118.64
	AA009	Second Line and Each Additional Line (same time)		\$63.29
	AA010	Re-install (Cut Thru and Dedicated/Vacant)		\$51.33
	AA011	Disconnect		\$33.45
		2-Wire xDSL - Capable Loop		
AA013		Band 1	\$26.31	
AA014		Band 2	\$45.96	
AA015		Band 3	\$71.71	
	DX009	First Line		\$97.65
	DX002	Second Line and Each Additional Line (same time)		\$42.30
	DX003	Re-install (Cut Thru and Dedicated/Vacant)		\$37.87
	DD004	Disconnect		\$33.45
		4-Wire xDSL - Capable Loop		
DX010		Band 1	\$50.41	
DX011		Band 2	\$89.28	
DX012		Band 3	\$140.38	
	DX014	First Line		\$122.30
	DX015	Second Line and Each Additional Line (same time)		\$66.95
	DX016	Re-install (Cut Thru and Dedicated/Vacant)		\$51.33
	DX017	Disconnect		\$33.45
		2-Wire Digital Loop		
AA013		Band 1	\$26.31	
AA014		Band 2	\$45.96	
AA015		Band 3	\$71.71	
	DD002	First Line		\$97.65

	DD003	Second Line and Each Additional Line (same time)		\$42.30
	DD004	Disconnect		\$33.45
		2-Wire ISDN-BRI Digital Loop		
DD013		Band 1	\$40.42	
DD014		Band 2	\$66.24	
DD015		Band 3	\$100.98	
	DD002	First Line		\$97.65
	DD003	Second Line and Each Additional Line (same time)		\$42.30
	DD004	Disconnect		\$33.45
		4-Wire Digital Loop (no electronics)		
DD017		Band 1	\$50.41	
DD018		Band 2	\$89.28	
DD019		Band 3	\$140.38	
	DD006	First Line		\$122.30
	DD007	Second Line and Each Additional Line (same time)		\$66.95
	DD008	Disconnect		\$33.45
		Digital 56k/64k Loop		
DD021		Band 1	\$46.75	
DD022		Band 2	\$68.44	
DD023		Band 3	\$96.56	
	DD030	First Line		\$236.62
	DD031	Second Line and Each Additional Line (same time)		\$181.26
	DD004	Disconnect		\$33.45
		DS1 Service and ISDN PRI Loop		
DD025		Band 1	\$173.46	
DD026		Band 2	\$197.17	
DD027		Band 3	\$275.07	
	DD010	First Line		\$318.76
	DD011	Second Line and Each Additional Line (same time)		\$263.40
	DD008	Disconnect		\$33.45
		DS3 Service		
HC002	HC001	Add DS3 to existing fiber system	ICB	\$130.30
	HC003	Disconnect		\$17.13
		LOOP CONDITIONING	MRC	NRC
	LC001	Load Coil Removal for all Digital UNE and xDSL-Capable loops that are less than 18,000 feet in length - per line conditioned (No Engineering or Trip charges - price reflects 25 pair economies)		\$2.00
	LC002	Conditioning Engineering Charge - per loop		\$80.15
	LC003	Conditioning Trip Charge - per loop		\$19.49
		Load Coil Removal: Loops 18kft or longer		
	LC004	Unload cable pair, per Underground location		\$190.11

	LC005	Unload Addt'l cable pair, UG same time, same location and cable		\$1.16
	LC006	Unload cable pair, per Aerial Location		\$78.63
	LC007	Unload Addt'l cable pair, AE or BU, same time, location and cable		\$1.16
		Unload cable pair, per Buried Location		\$111.63
		Bridged Tap or Repeater Removal - Any Loop Length		
	LC012	Remove Bridged Tap or Repeater, per Underground Location		\$190.42
	LC013	Remove each Addt'l Bridged Tap or Repeater, UG same time, location and cable		\$1.47
	LC014	Remove Bridged Tap or Repeater, per Aerial Location		\$78.94
	LC015	Remove each Addt'l Bridged Tap or Repeater, AE or BU same time, location and cable		\$1.47
		Remove Bridged Tap or Repeater, per Buried Location		\$111.95
		SUB LOOPS (RATES INCLUDE NID CHARGE)	MRC	NRC
		Sub-Loops Interconnection (Stub Cable)		ICB
		2 Wire Voice Grade and Digital Data Distribution		
SB002		Band 1	\$13.66	
SB003		Band 2	\$22.31	
SB004		Band 3	\$33.14	
	SB010	First Line		\$84.84
	SB011	Second Line and Each Additional Line (same time)		\$29.48
	SB012	Disconnect		\$46.30
		4 Wire Voice Grade and Digital Data Distribution		
SB006		Band 1	\$26.48	
SB007		Band 2	\$43.18	
SB008		Band 3	\$64.11	
	SB013	First Line		\$107.40
	SB014	Second Line and Each Additional Line (same time)		\$52.04
	SB015	Disconnect		\$46.30
		DEDICATED INTEROFFICE TRANSPORT	MRC	NRC
DT2	DT004	DS1	Refer to Dedicated Transport Tab	\$83.85
	DT005	DS1 Disconnect		\$17.13
DT3	DT007	DS3	Refer to Dedicated Transport Tab	\$83.85
	DT008	DS3 Disconnect		\$17.13
		MULTIPLEXING	MRC	NRC
DT023	DT019	Multiplexing - DS1-DS0 (per DS1) - (Shelf only, rate does not include cards)	\$175.85	\$83.85
	DT020	DS1-DS0 Disconnect		\$17.13
DT024	DT021	Multiplexing - DS3-DS1 (per DS3)	\$214.41	\$83.85

	DT022	DS3-DS1 Disconnect		\$17.13
		UNBUNDLED DARK FIBER	MRC	NRC
	DF007	Dark Fiber Application & Quote Preparation Charge		\$248.42
		Note: These elements are calculated and billed manually using one price per USOC and COS. Detail is provided by the DFA form returned to the customer.		
		Transport		
DF009		Interoffice, per foot per fiber - Statewide Average	\$0.0040	
		Additional Charges Applicable to Transport		
DF011		Fiber Patch Cord, per fiber	\$0.74	
DF012		Fiber Patch Panel, per fiber	\$0.72	
	DF003	Central Office Interconnection, 1-4 Patch Cords per CO - Install or Disconnect		\$176.99
	OC011	Dark Fiber End-to-End Testing, Initial Strand		\$61.55
	OC012	Dark Fiber End-to-End Testing, Subsequent Strand		\$17.20
		EEL COMBINATIONS	MRC	NRC
		Enhanced Extended Link (EEL) is a combination of Loop, Transport and Multiplexing (when applicable). Refer to the specific UNE section (transport, loop, multiplexing) in this document to obtain pricing for each specific element.		
		See Rate Element / Service Order / Installation/Repair Center section of this price sheet for EEL Conversion Charges.		
		RECIPROCAL COMPENSATION	MRC	NRC
		End Office - per MOU	Bill & Keep	N/A
		Tandem Switching - per MOU	Bill & Keep	N/A
		Shared Transport - per MOU	Bill & Keep	N/A
		TRANSIT SERVICE	MRC	NRC
		Transit Service Charge - per MOU	\$0.005000	N/A
		DATABASE, available via contract or tariff	MRC	NRC
DB001		Local Number Portability query (LNP) - Contracted	\$0.00030	
DB002		Toll Free Code query (TFC) - Simple - Contracted	\$0.00200	
DB003		Toll Free Code query (TFC) - Complex Additive - Contracted	\$0.00020	
DB004		Line Information Database query (LIDB) - Per Interstate Tariff	Per Tariff	
DB005		Line Information Database query transport (LIDB) - Per Interstate Tariff	Per Tariff	
DB006		Calling Name Database Access Service query (CNAM) - Contracted, MTM	\$0.01450	
DB009		Calling Name Database Access Service query (CNAM) - Contracted, 3 year term	\$0.00800	
DB010		Calling Name Database Access Service query (CNAM) - Contracted, 3 + year term	\$0.00550	
		OPERATOR SERVICES / DIRECTORY ASSISTANCE SERVICES	MRC	NRC
	DA002	Operator Services		Refer to Applicable Retail Tariff
	DA002	Directory Assistance Services		Refer to Applicable Retail Tariff

		DIRECTORY SERVICES	MRC	NRC
	DA002	Directory - Premium & Privacy Listings		Refer to Applicable Retail Tariff
		911 AND E911 TRANSPORT AND TERMINATION	MRC	NRC
DT2	DT004	911 and E911 Transport - DS1	Refer to Dedicated Transport Tab	\$83.85
DT023	DT019	Multiplexing - DS1-DS0 (per DS1) - (Shelf only, rate does not include cards)	\$175.85	\$83.85
DB011	DB007	DS0 911 Per Port (minimum of 2 DS0's required)	\$23.89	ICB
		STREET INDEX GUIDE	MRC	NRC
	DB008	SIG Database Extract Report, per CDROM (price reflects shipping regular U.S. Mail)		\$18.00
		ROUTINE MODIFICATION OF FACILITIES	MRC	NRC
		Rearrangement of Cable		
		Rearrangement of Up to 3 Pairs per UNE Loop Ordered	N/A	Included in Loop NRC
		Rearrangements Requiring More Than 3 Pairs per UNE Loop Ordered	N/A	ICB
		Dedicated Repeater/Doubler Installation Cost (incl. 4 slot housing and 1 card), per location		
		1. Repeater Equipment Case w/ Repeater Card (for T-1 applications):		
		Where Special Construction Does Not Apply (Card Installation Only)	Included in Loop MRC	Included in Loop NRC
		Where Special Construction Applies, Non Recurring Charge		\$2,099.79
		2. Doubler Equipment Case w/ Doubler Card (for HDSL applications)		
		Where Special Construction Does Not Apply (Card Installation Only)	Included in Loop MRC	Included in Loop NRC
		Where Special Construction Applies, Non Recurring Charge		\$2,318.26
		Smart Jack	Included in Loop MRC	Included in Loop NRC
		Line Card Installation	Included in Loop MRC	Included in Loop NRC
		Multiplexing	Included in Loop MRC	Included in Loop NRC
		Note: Multiplexer pricing available through Enhanced Extended Loop (EELs) facility leases		

Table One (continued)

Loop Bands

Exchange Name	CLLI	Band
BLOUNTVL	BUVLTNXARS0	1
BRISTOL	BRSTTNXADS0	1
ELIZABHTN	ELTNTNXADS0	1
JOHNSON CY	JHCYTNXCDS0	1
JOHNSON CY	JHCYTNXADS0	1
KINGSPORT	KGPTTNXADS0	1
KINGSPORT	KGPTTNXCRS0	1
MIDWAY SUL	MDWYTNXARS0	1
BAILEYTON	BLTNTNXARS0	2
BLUFF CITY	BLCYTNXARS0	2
CHURCHHILL	CHHLTNXARS0	2
ERWIN	ERWNTNXARS0	2
GREENEVL	GRVLTNXADS0	2
JONESBORO	JNBOTNXARS0	2
STONEY CRK	STCKTNXARS0	2
SULIVNGDNS	SLGRTNXARS0	2
BRISTOL	BRSTTNXBRS0	3
BUTLER	BTLRNTNXARS0	3
FALLBRANCH	FLBRTNXARS0	3
HAMPTON	HMPNTNXARS0	3
LIMESTONE	LMSTTNXADS0	3
MOSHEIM	MOSHTNXARS0	3
MOUNTAINCY	MTCYTNXARS0	3
ROAN MT	RNMTTNXARS0	3

Table One (continued)

Dedicated Transport Routes and Rates

**** Routes meet the FCC TRRO non-impaired threshold criteria for DS1 and DS3.**

***** Routes meet the FCC TRRO non-impaired threshold criteria for DS3 only.**

Route (Exchange to Exchange)		Route (CLLI to CLLI)		Non-	Dedicated	Dedicated	
Originating	Terminating	Originating	Terminating	Impaired Routes	DS1 Rate	DS3 Rate	Rate Band
Baileyton	Greeneville	BLTNTNXARS0	GRVLTNXADS0		\$172.37	\$4,594.53	012
Baileyton	Limestone	BLTNTNXARS0	LMSTTNXADS0		\$332.39	\$8,843.46	016
Baileyton	Mosheim	BLTNTNXARS0	MOSHTNXARS0		\$265.43	\$6,082.21	014
Blountville	Bluff City	BUVLTNXARS0	BLCYTNXARS0		\$151.15	\$2,120.93	055
Blountville	Bristol, TN and Bristol, VA	BUVLTNXARS0	BRSTTNXADS0		\$60.03	\$562.42	086
Blountville	Church Hill, Mt. Carmel	BUVLTNXARS0	CHHLTNXARS0		\$359.32	\$6,831.58	008
Blountville	Fall Branch	BUVLTNXARS0	FLBRTNXARS0		\$397.98	\$7,914.01	050
Blountville	Johnson City Main	BUVLTNXARS0	JHCYTNXADS0		\$75.79	ICB	057
Blountville	Kingsport	BUVLTNXARS0	KGPTTNXADS0		\$283.14	\$5,816.38	001
Blountville	Midway	BUVLTNXARS0	MDWYTNXARS0		\$346.71	\$6,642.23	005
Blountville	Sullivan Gardens	BUVLTNXARS0	SLGRTNXARS0		\$397.98	\$7,914.01	051
Blountville	Wytheville, VA	BUVLTNXARS0	WYVLVAXADS0		\$98.87	ICB	035
Bluff City	Johnson City Main	BLCYTNXARS0	JHCYTNXADS0		\$93.04	\$1,651.32	058
Bluff City-Piney Flats	Bristol, TN and Bristol, VA	BLCYTNXARS0	BRSTTNXADS0		\$91.12	\$1,558.51	027
Bluff City-Piney Flats	Church Hill	BLCYTNXARS0	CHHLTNXARS0		\$167.31	\$2,573.71	038
Bluff City-Piney Flats	Fall Branch	BLCYTNXARS0	FLBRTNXARS0		\$205.96	\$3,656.14	006
Bluff City-Piney Flats	Kingsport	BLCYTNXARS0	KGPTTNXADS0		\$91.12	\$1,558.51	098
Bluff City-Piney Flats	Midway	BLCYTNXARS0	MDWYTNXARS0		\$154.69	\$2,384.36	039
Bluff City-Piney Flats	Sullivan Gardens	BLCYTNXARS0	SLGRTNXARS0		\$205.96	\$3,656.14	007
Bristol, TN	Bristol South	BRSTTNXADS0	BRSTTNXBDS0		\$61.34	ICB	032
Bristol, TN	Church Hill	BRSTTNXADS0	CHHLTNXARS0		\$299.29	\$6,269.16	040
Bristol, TN	Fall Branch	BRSTTNXADS0	FLBRTNXARS0		\$337.95	\$7,351.59	042
Bristol, TN	Johnson City Main	BRSTTNXADS0	JHCYTNXADS0		\$75.79	ICB	059
Bristol, TN	Kingsport	BRSTTNXADS0	KGPTTNXADS0	***	\$256.57	\$6,042.06	110
Bristol, TN	Midway	BRSTTNXADS0	MDWYTNXARS0		\$154.69	\$2,384.36	041
Bristol, TN	Sullivan Gardens	BRSTTNXADS0	SLGRTNXARS0		\$337.95	\$7,351.59	043
Butler	Elizabethton	BTLR TNXARS0	ELTNTNXADS0		\$251.67	\$5,696.38	094
Butler	Hampton	BTLR TNXARS0	HMPNTNXARS0		\$251.67	\$5,696.38	095
Butler	Mountain City	BTLR TNXARS0	MTCYTNXARS0		\$387.99	\$8,395.46	062
Butler	Roan Mountain	BTLR TNXARS0	RNM TTNXARS0		\$522.45	\$13,046.62	096
Butler	Stoney Creek	BTLR TNXARS0	STCKTNXARS0		\$413.23	\$9,988.23	097
Church Hill-Mt.Carmel	Fall Branch	CHHLTNXARS0	FLBRTNXARS0		\$191.03	\$3,112.83	044
Church Hill-Mt.Carmel	Kingsport	CHHLTNXARS0	KGPTTNXADS0		\$76.19	\$1,015.20	030
Church Hill-Mt.Carmel	Midway	CHHLTNXARS0	MDWYTNXARS0		\$139.76	\$1,841.05	049
Church Hill-Mt.Carmel	Sullivan Gardens	CHHLTNXARS0	SLGRTNXARS0		\$191.03	\$3,112.83	045
Elizabethton	Hampton	ELTNTNXADS0	HMPNTNXARS0		\$57.17	\$482.19	004
Elizabethton	Roan Mountain	ELTNTNXADS0	RNM TTNXARS0		\$327.95	\$7,832.43	017
Elizabethton	Stoney Creek	ELTNTNXADS0	STCKTNXARS0		\$161.56	\$4,291.85	072
Erwin	Bristol TN	ERWNTNXARS0	BRSTTNXADS0		\$91.12	ICB	065
Erwin	Johnson City Main	ERWNTNXARS0	JHCYTNXADS0		\$166.91	ICB	029
Erwin	Kingsport	ERWNTNXARS0	KGPTTNXADS0		\$91.12	ICB	066

Fall Branch	Johnson City	FLBRTNXARS0	JHCYTNXADS0		\$178.41	\$2,923.48	067
Fall Branch	Jonesboro	FLBRTNXARS0	JNBOTNXARS0		\$321.97	\$5,825.00	068
Fall Branch	Kingsport	FLBRTNXARS0	KGPTTNXADS0		\$114.84	\$2,097.63	101
Fall Branch	Limestone	FLBRTNXARS0	LMSTTNXADS0		\$321.97	\$5,825.00	069
Fall Branch	Midway	FLBRTNXARS0	MDWYTNXARS0		\$178.41	\$2,923.48	010
Fall Branch	Sullivan Gardens	FLBRTNXARS0	SLGRTNXARS0		\$114.84	\$2,097.63	078
Greeneville	Limestone	GRVLTNXADS0	LMSTTNXADS0		\$160.03	\$4,248.94	011
Greeneville	Mosheim	GRVLTNXADS0	MOSHTNXARS0		\$93.07	\$1,487.68	090
Hampton	Roan Mountain	HMPNTNXARS0	RNMTTNXARS0		\$327.95	\$7,832.43	015
Hampton	Stoney Creek	HMPNTNXARS0	STCKTNXARS0		\$218.73	\$4,774.04	009
Johnson City Main	Greeneville	JHCYTNXADS0	GRVLTNXADS0		\$155.47	ICB	070
Johnson City Main	Jonesboro	JHCYTNXADS0	JNBOTNXARS0		\$143.56	\$2,901.52	073
Johnson City Main	Kingsport	JHCYTNXADS0	KGPTTNXADS0		\$63.57	ICB	002
Johnson City Main	Limestone	JHCYTNXADS0	LMSTTNXADS0		\$143.56	\$2,901.52	075
Johnson City Main	Midway	JHCYTNXADS0	MDWYTNXARS0		\$75.79	\$1,129.43	089
Johnson City North	Bristol	JHCYTNXC42T	BRSTTNXADS0	***	\$256.57	\$6,042.06	021
Johnson City North	Elizabethton	JHCYTNXC42T	ELTNTNXADS0		\$93.04	\$1,651.32	024
Johnson City North	Galax, VA	JHCYTNXC42T	GALXVAXADS0		\$208.09	ICB	033
Johnson City North	Greeneville	JHCYTNXC42T	GRVLTNXADS0		\$223.10	\$5,253.96	074
Johnson City North	Hillsville, VA	JHCYTNXC42T	HLVLVAXADS0		\$182.76	ICB	034
Johnson City North	Johnson City Main	JHCYTNXC42T	JHCYTNXADS0		\$75.79	\$1,129.43	054
Johnson City North	Jonesboro	JHCYTNXC42T	JNBOTNXARS0		\$219.35	\$4,030.95	046
Johnson City North	Kingsport	JHCYTNXC42T	KGPTTNXADS0	***	\$256.57	\$6,042.06	023
Johnson City North	Limestone	JHCYTNXC42T	LMSTTNXADS0		\$219.35	\$4,030.95	047
Johnson City North	Marion, VA	JHCYTNXC42T	MARNVAXADS0		\$98.87	ICB	022
Johnson City North	Midway	JHCYTNXC42T	MDWYTNXARS0		\$75.79	\$1,129.43	071
Jonesboro	Limestone	JNBOTNXARS0	LMSTTNXADS0		\$143.56	\$2,901.52	036
Jonesboro	Midway	JNBOTNXARS0	MDWYTNXARS0		\$219.35	\$4,030.95	052
Kingsport	Midway	KGPTTNXADS0	MDWYTNXARS0		\$63.57	\$825.85	031
Kingsport	Sullivan Gardens	KGPTTNXADS0	SLGRTNXARS0		\$114.84	\$2,097.63	037
Kingsport	Wytheville, VA	KGPTTNXADS0	WYVLVAXADS0		\$133.08	\$1,954.27	112
Limestone	Midway	LMSTTNXADS0	MDWYTNXARS0		\$219.35	\$4,030.95	048
Limestone	Mosheim	LMSTTNXADS0	MOSHTNXARS0		\$253.09	\$5,736.62	013
Midway	Sullivan Gardens	MDWYTNXARS0	SLGRTNXARS0		\$178.41	\$2,923.48	053
Roan Mountain	Stoney Creek	RNMTTNXARS0	STCKTNXARS0		\$489.51	\$12,124.27	018

Table Two

Physical and Virtual Collocation Elements	Non-Recurring Rate	Monthly Recurring Rate
Application Fees		
New Collocation - Application Fee	\$ 2,742.43	N/A
New Collocation - Administrative, Transmission Engineering & Project Management Fee	\$ 5,781.55	N/A
Minor Augment Fee	\$ 802.58	N/A
Minor Augment - Administrative & Project Management Fee	\$ 774.34	N/A
Minor Augment - Transmission Engineering Fee	\$ 524.26	N/A
Major Augment Fee	\$ 1,621.71	N/A
Major Augment - Administrative & Project Management Fee	\$ 2,024.90	N/A
Major Augment - Transmission Engineering Fee	\$ 1,540.00	N/A
Space Report (per wire center)	\$ 922.01	N/A
Security Cage Construction		
Security Cage - Engineering	\$ 504.77	N/A
Security Cage - Construction (per Linear Foot)	\$ 48.74	N/A
Floor Space		
Floor Space (per Square Foot)	N/A	\$ 8.54
DC Power		
Power Costs (per Load Ampere Ordered)	N/A	\$ 15.01
Power Costs (per Connection to Power Plant up to 30 Amps)	\$ 1,334.92	\$ 13.69
Power Costs (per Connection to Power Plant 31-60 Amps)	\$ 2,346.14	\$ 22.42
Power Costs (per Connection to Power Plant 61-100 Amps)	\$ 8,753.27	\$ 72.90
Additional Cost per Foot Over 110 Linear Feet	\$ 169.31	\$ 1.33
Power Costs (per Connection to Power Plant 101-200 Amps)	\$ 19,303.04	\$ 157.75
Additional Cost per Foot Over 110 Linear Feet	\$ 319.95	\$ 2.51
AC Power		
AC Outlet Installation (per 20 amp outlet)	\$ 1,099.38	N/A
Overhead Lights (per set of 2)	\$ 1,614.05	N/A
Cross Connect Facilities		
DS0 Switchboard Cable (per 100 Pair)	N/A	\$ 26.87
DS0 Co-Carrier Direct Cabling (per 100 Pair Switchboard Cable)	\$ 512.09	\$ 7.64
DS1 Cross Connect (per DS1 in 28-pack Increments)	N/A	\$ 1.56
DS1 Co-Carrier Direct Cabling (per DS1 28-pack Cable)	\$ 534.48	\$ 9.15
DS3 Cross Connect (per DS3 in 12-pack Increments)	N/A	\$ 19.65
DS3 Co-Carrier Direct Cabling (per DS3 12-pack Cable)	\$ 1865.10	\$ 21.41
Optical Cross-Connect (per 4-Fiber Cable)	N/A	\$ 15.52
Optical Co-Carrier Direct Cabling (per 4-Fiber Cable)	\$ 212.27	\$ 9.58
Internal Cable Space (per 48-Fiber Cable)	N/A	\$ 35.43
Internal Cable Space (per 100-Pair Copper Stub Cable)	N/A	\$ 23.39
Internal Cable (per 48-Fiber Cable)	\$ 1,132.86	\$ 35.68
Internal Cable (per 100-Pair Copper Stub Cable)	\$ 185.54	\$ 50.63

Physical and Virtual Collocation Elements <i>(continued)</i>	Non-Recurring Rate	Monthly Recurring Rate
Security Card		
Security Card (per Card)	\$ 15.00	N/A
Additional Labor Charges (Physical or Virtual)		
Additional Labor 1/4 hour CO Technician - Regular	\$ 11.22	N/A
Additional Labor 1/4 hour CO Technician - Overtime	\$ 16.83	N/A
Additional Labor 1/4 hour CO Technician - Premium	\$ 22.44	N/A
Additional Labor 1/4 hour CO Engineer	\$ 14.39	N/A
Additional Labor 1/4 hour OSP Technician - Regular	\$ 13.83	N/A
Additional Labor 1/4 hour OSP Technician - Overtime	\$ 20.75	N/A
Additional Labor 1/4 hour OSP Technician - Premium	\$ 27.66	N/A
Additional Labor 1/4 hour OSP Engineer	\$ 12.93	N/A
Adjacent Onsite Collocation	Non-Recurring Rate	Monthly Recurring Rate
All elements	ICB	ICB
Remote Terminal Collocation	Non-Recurring Rate	Monthly Recurring Rate
All elements	ICB	ICB

ATTACHMENT 1

DISASTER RECOVERY

1. PURPOSE

In the unlikely event of a disaster occurring that affects Embarq's long-term ability to deliver traffic to a Competitive Local Exchange Carrier (CLEC), general procedures have been developed to hasten the recovery process. Since each location is different and could be affected by an assortment of potential problems, a detailed recovery plan is impractical. However, in the process of reviewing recovery activities for specific locations, some basic procedures emerge that appear to be common in most cases.

These general procedures should apply to any disaster that affects the delivery of traffic for an extended time period. Each CLEC will be given the same parity consideration during an outage and service will be restored as quickly as possible.

This document will cover the basic recovery procedures that would apply to every CLEC.

2. IDENTIFYING THE PROBLEM

During the early stages of problem detection, the NOC will be able to tell which CLECs are affected by the catastrophe. Further analysis and/or first hand observation will determine if the disaster has affected CLEC equipment only; Embarq equipment only or a combination. The equipment that is affected will largely determine the initial restoration activity.

Once the nature of the disaster is determined and after verifying the cause of the problem, the NOC will initiate reroutes and/or transfers that are jointly agreed upon by the affected CLECs' Network Management Center and the Embarq NOC. The type and percentage of controls used will depend upon available network capacity. Controls necessary to stabilize the situation will be invoked and the NOC will attempt to re-establish as much traffic as possible.

The service centers will also be impacted by a disaster situation, and separate measures for their recovery are included as well.

3. SITE CONTROL

In the total loss of building use scenario, what likely exists will be a smoking pile of rubble. This rubble will contain many components, which could be dangerous. It could also contain any personnel on the premises at the time of the disaster. For these reasons, the local fire marshal with the assistance of the police will control the site until the building is no longer a threat to surrounding properties and the companies have secured the site from the general public.

During this time, the majority owner of the building should be arranging for a demolition contractor to mobilize to the site with the primary objective of reaching the cable entrance facility for a damage assessment. The results of this assessment would then dictate immediate plans for restoration, both short term and permanent.

In a less catastrophic event, i.e., the building is still standing and the cable entrance facility is usable, the situation is more complex. Local authorities will initially control the site until the threat to adjacent

property has diminished. Once the site is returned to the control of the companies, the following events should occur.

An initial assessment of the main building infrastructure systems (mechanical, electrical, fire and life safety, elevators, and others) will establish building needs. Once these needs are determined, the majority owner should lead the building restoration efforts. There may be situations where the site will not be totally restored within the confines of the building. The companies must individually determine their needs and jointly assess the cost of permanent restoration to determine the overall plan of action.

Multiple restoration trailers from each company will result in the need for designated space and installation order. This layout and control is required to maximize the amount of restoration equipment that can be placed at the site, and the priority of placements.

Care must be taken in this planning to insure other restoration efforts have logistical access to the building. Major components of telephone and building equipment will need to be removed and replaced. A priority for this equipment must also be jointly established to facilitate overall site restoration. (Example: If the AC switchgear has sustained damage, this would be of the highest priority in order to regain power, lighting, and HVAC throughout the building.)

If the site will not accommodate the required restoration equipment, the companies would then need to quickly arrange with local authorities for street closures, rights of way and other possible options available.

4. ENVIRONMENTAL CONCERNS

In the worse case scenario, many environmental concerns must be addressed. Along with the police and fire marshal, the state environmental protection department will be on site to monitor the situation.

Items to be concerned with in a large central office building could include:

1. Emergency engine fuel supply. Damage to standby equipment and the fuel handling equipment could have created "spill" conditions that have to be handled within state and federal regulations.
2. Asbestos containing materials that may be spread throughout the wreckage. Asbestos could be in many components of building, electrical, mechanical, outside plant distribution, and telephone systems.
3. Lead and acid. These materials could be present in potentially large quantities depending upon the extent of damage to the power room.
4. Mercury and other regulated compounds resident in telephone equipment.
5. Other compounds produced by the fire or heat.

Once a total loss event occurs at a large site, local authorities will control immediate clean up (water placed on the wreckage by the fire department) and site access.

At some point, the companies will become involved with local authorities in the overall planning associated with site clean up and restoration. Depending on the clean up approach taken, delays in the restoration of several hours to several days may occur.

In a less severe disaster, items above are more defined and can be addressed individually depending on the damage.

In each case, the majority owner should coordinate building and environmental restoration as well as maintain proper planning and site control.

5. EMERGENCY RESTORATION PLAN FOR CSO ORGANIZATION

- 5.1. Introduction. This plan provides a basic organizational structure and defines areas of responsibility for a wide range of disasters. It is intended to allow and encourage maximum organizational flexibility in responding to all potential disasters. The organization outlined here includes only those people who normally would support the Service Center operations.
- 5.2. General Information.
 - 5.2.1. As soon as it is determined that an emergency situation exists, the Service Center Manager will hold a meeting with the Local Assessment Team and make plans for placing the Disaster Recovery Plan into effect.
 - 5.2.2. The assessment teams areas of responsibilities will be determined and assigned by the Service Center Manager.
 - 5.2.3. As soon as practical, the Service Center Manager will use all means available for alerting the personnel who will be needed to make the assessment, keeping in mind that the assessment should be completed as soon as possible after an emergency occurrence.
 - 5.2.4. After personnel report, the Service Center Manager, or his designated representative, will provide the necessary information to begin the damage assessments.
 - 5.2.5. It is most important that the Service Center Manager ensure that the assessment team is properly instructed and keeps in mind Embarq's safety practices and abides by them while securing center assessment information.

6. EMERGENCY RESTORATION

In the event an emergency situation develops, or is in the process of developing, the Service Center Manager will hold a meeting with the Local Assessment team to place the Disaster Recovery Plan into operation.

- 6.1. Local Service Center Assessment Team
 - Service Center Manager
 - Manager-Buildings/Grounds
 - Security Manager
 - Information Services Manager
 - Manager Safety /Risk/Loss
 - Public Relations Manager
- 6.2. Agenda for Meeting. The Local Assessment Team should review the following subjects and take action as necessary to expedite the restoration of service.
 - Departments affected
 - AC power failures
 - LAN Connectivity
 - Communication System Assessment
 - Working Conditions (weather, delays, etc.)
 - Work force requirements (forces on the job, in transit, etc.)
 - Extra Forces needed
 - Contractors needed

- Restoration schedules – temporary/permanent
- Equipment requirements
- General review of responsibilities
- Secure from Decision Support work order number

7. EMERGENCY RESTORATION PRIORITY

The priority for restoration will be established at the time of the emergency or disaster, as conditions dictate. The following are considerations for restoration in order of priority:

1. Assignment
2. Remote Entry
3. CLEC

8. WORK DISTRIBUTION RECOMMENDATION

Scottsbluff, Nebraska - All work can be routed to Jefferson City, Missouri.

Jefferson City, Missouri - All work can be routed to Carlisle.

Carlisle, Pennsylvania - All work can be routed to Jefferson City, Missouri

Fayetteville, North Carolina -
Remote Entry for Companies "O" & "C" to Winter Garden.
Remote Entry for Company "S" to Carlisle.

Assignment for Company "C" to Las Vegas
Assignment for Company "S" to Ft. Myers
Assignment for Company "O" to Jefferson City
CLEC to Ft. Myers

Las Vegas, Nevada
Remote Entry to Winter Garden and Carlisle
Assignment to Fayetteville, Ft. Myers, and Jefferson City
CLEC to Fayetteville

Winter Garden, Florida
Remote entry to Jefferson City, Carlisle, and Fayetteville
Ft. Myers, Florida
Assignment to Las Vegas, Jefferson City, Carlisle, and Fayetteville
CLEC to Las Vegas and Fayetteville

Note: The techs will call directly to the 800 number of the receiving center. This will also help with work distribution.

9. EMERGENCY RESTORATION PLAN FOR NETWORK ORGANIZATION CENTER

- 9.1. The Disaster Recovery Management Team is comprised of internal and external personnel responsible for maintaining and executing the plan. The Plan addresses both short and long term disaster but is flexible enough to resolve less severe disruptions. The nature of the disruption typically indicates the specific resources needed for recovery. Therefore, the resources utilized by the Recovery Team are directly related to the extent of the damage caused by the event.

- 9.2. The primary responsibilities of the Disaster Recovery Management Team are to:
- 9.2.1. Accomplish rapid and efficient recovery of the network and application systems at the primary and alternate site locations.
 - 9.2.2. Manage recovery and non-recovery activities to protect vital NOC functions until normal operations are resumed.
 - 9.2.3. Conduct streamlined reporting of recovery progress from the recovery team level upward to Executive Management and downward to affected personnel.
- 9.3. The Disaster Recovery Management Team consists of:
- 9.3.1. NOC Director

The NOC Director manages the recovery and restoration effort, reporting recovery and progress and problems to Executive Management. All individual groups within the NOC function under this supervision throughout the recovery and restoration. Managers of the groups report recovery status directly to the NOC Director.

In a non-disaster mode the Director assumes the role in ensuring that the Plan is properly documented, maintained and tested in order to ensure that a state of readiness always exists sufficient to respond to any level of disaster. Functional management groups operating under this direction are:

 - Technical Assistance
 - Special Services
 - Scheduling and Administration
 - Surveillance
 - Corporate Communications (Public Relations)
 - 9.3.2. Manager of Special Services
 - 9.3.3. Manager of Technical Assistance
 - 9.3.4. Manager of Surveillance
 - 9.3.5. Manager of Scheduling & Administration
- All leadership positions on the Recovery Team are required to have an alternate person to assume their position in the case they are not available at the time of the disaster and subsequent recovery.

10. RECOVERY PROCEDURES

The nature and severity of any disaster will influence the recovery procedures. One crucial factor in determining how Embarq will proceed with restoration is whether or not Embarq's equipment is incapacitated. Regardless of whose equipment is out of service, Embarq will move as quickly as possible to aid with service recovery; however, the approach that will be taken may differ depending upon the location of the problem.

10.1. CLEC OUTAGE

For a problem limited to one CLEC (or a building with multiple CLECs). Embarq has several options available for restoring service quickly. For those CLECs that have agreements with other

CLECs, Embarq can immediately start directing traffic to a provisional CLEC for completion. This alternative is dependent upon Embarq having concurrence from the affected CLECs.

Whether or not the affected CLECs have requested a traffic transfer to another CLEC will not impact Embarq's resolve to re-establish traffic to the original destination as quickly as possible.

10.2. EMBARQ OUTAGE

Because Embarq's equipment has varying degrees of impact on the service provided to the CLECs, restoring service from damaged Embarq equipment is different. The outage will probably impact a number of Carriers simultaneously.

A disaster involving any of Embarq's equipment locations could impact the CLECs, some more than others. A disaster at a Central Office (CO) would only impact the delivery of traffic to and from that Center (SWC). Traffic from the entire area to those Carriers served from that switch would also be impacted. If the switch functions as an Access tandem or there is a tandem in the building, traffic from every CO to every CLEC could be interrupted. A disaster that destroys a facility hub could disrupt various traffic flows, even though the switching equipment may be unaffected.

The NOC would be the first group to observe a problem involving Embarq's equipment. Shortly after a disaster, the NOC will begin applying controls and finding reroutes for the completion of as much traffic as possible. These reroutes may involve delivering traffic to alternate Carriers upon receiving approval from affected carriers and notification of the CLECs involved. In some cases, changes in translations will be required.

10.2.1. Loss of a Central Office

When Embarq loses a Central Office, the NOC will:

- Place specialists and emergency equipment on notice.
- Inventory the damage to determine what equipment and/or functions are lost,
- Move containerized emergency equipment and facility equipment to the stricken area, if necessary.
- Begin reconnecting service for Hospitals, Police and other emergency agency customers of CLECs and Embarq in a nondiscriminatory manner in accordance with SNEP-TSP guidelines, and
- Begin restoring service to CLECs and other customers

10.2.2. Loss of a Central Office with Serving Wire Center Functions

The loss of a Central Office that also serves as a Serving Wire Center (SWC) will be restored as described in section 5.2.1.

10.2.3. Loss of a Central Office with Tandem Functions

When Embarq loses a Central Office building that serves as an Access Tandem and as a SWC, the NOC will:

- Place specialists and emergency equipment on notice;
- Inventory the damage to determine what equipment and/or functions are lost.
- Move containerized emergency equipment and facility equipment to the stricken area, if necessary.
- Begin reconnecting service for Hospitals, Police and other emergency agency customers of CLECs and an Embarq in a nondiscriminatory manner in accordance with NSEP-TSP guidelines, and
- Redirect as much traffic as possible to the alternate access tandem (if available) for delivery to those CLECs utilizing a different location as a SWC.
- Begin aggregating traffic to a location near the damaged building. From this location, begin re-establishing trunk groups to the CLECs for the delivery of traffic normally found on the direct trunk groups. (This aggregation point may be the alternate access tandem location or another CO on a primary facility route.)
- Begin restoring service to CLECs and other customers.

10.2.4. Loss of a Facility Hub

In the event that Embarq loses a facility hub, the recovery process is much the same as above. The recovery effort will include:

- Placing specialists and emergency equipment on notice;
- Inventorying the damage to determine what equipment and/or functions are lost;
- Moving containerized emergency equipment to the stricken area, if necessary;
- Reconnecting service for Hospitals, Police and other emergency agency customers of CLECs and Embarq in a nondiscriminatory manner in accordance with NSEP-TSP guidelines; and
- Restoring service to CLECs and other customers. If necessary, Embarq will aggregate the traffic at another location and build temporary facilities. This alternative would be viable for a location that is destroyed and building repairs are required.

10.3. COMBINED OUTAGE (CLEC AND EMBARQ EQUIPMENT)

In some instances, a disaster may impact Embarq's equipment as well as the CLECs'. This situation will be handled in much the same way as described in section 5.2.3. Since Embarq and the CLECs will be utilizing temporary equipment, close coordination will be required.

10.4. ALTERNATIVE BUILDING

In preparation for an extended outage, each Service Center Manager to identify with Land & Buildings an alternate company location that could be converted to a temporary service center. This space would not be occupied or furnished in advance but would be equipped with LAN and telephone connections. Alternate space will accommodate:

- Work stations
- Computers
- Telephones
- LAN Connections

11. T1 IDENTIFICATION PROCEDURES

During the restoration of service after a disaster, Embarq may be forced to aggregate traffic for delivery to a CLEC. During this process T1 traffic may be consolidated onto DS3s and may become unidentifiable to the Carrier. Because resources will be limited, Embarq may be forced to “package” this traffic entirely differently than normally received by the CLECs. Therefore, a method for identifying the T1 traffic on the DS3s and providing the information to the Carriers is required.

12. ACRONYMS

CO	Central Office (Embarq)
DS3	Facility that carries 28 T1s (672 circuits)
CLEC	Competitive Local Exchange Carrier
NOC	Network Operations Center
SWC	Serving Wire Center (Embarq switch)
T1	Facility that carries 24 circuits