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Missouri Public
Service Commission

**MASTER INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT
FOR THE STATE OF MISSOURI**

September 25, 2006

Teleport Communications Group Inc.

and

Embarq Missouri, Inc.

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INTERCONNECTION AND RESALE AGREEMENT

This Interconnection, Collocation and Resale Agreement (the "Agreement"), dated this 25th day of September, 2006, is entered into by and between Teleport Communications Group Inc. ("TCG") a Delaware corporation, and Embarq Missouri, Inc. ("Embarq"), a Missouri corporation, to establish the rates, terms and conditions for local interconnection, 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 TCG's use in the provision of exchange access ("Local Interconnection"); and

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

WHEREAS, TCG 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 Missouri.

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

PART A - DEFINITIONS

1. DEFINED TERMS

- 1.1. Capitalized terms defined in this Section shall have the meanings as set forth in this Agreement. Other terms used but not defined will have the meanings ascribed to them in the Act or in the Rules and Regulations of the FCC or the Commission. The Parties acknowledge that other terms appear in this Agreement, which are not defined or ascribed as stated above. The parties agree that any such terms shall be construed in accordance with their customary usage in the telecommunications industry as of the Effective Date of this Agreement.
- 1.2. "911 Service" means a universal telephone number which gives the public direct access to the Public Safety Answering Point ("PSAP"). Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then sent to the correct authority designated to receive such calls.
- 1.3. "Access Services" refers to interstate and intrastate switched access 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 shall equal 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) shall include only those access lines connecting end-user customers with Embarq end-offices for switched services, (2) shall not include non-switched special access lines, (3) shall account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to 24 64 kbps-equivalents, and therefore to 24 "business lines."
- 1.16. "Cable Vault" shall mean a location in a Premises where facilities enter the Premises from the Outside Cable Duct and access the Inner Duct for distribution within the Premises.
- 1.17. "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" shall mean a structure (not including a controlled environment vault ("CEV")) housing Embarq 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 TCG's equipment within the Premises.
- 1.23. "Collocation Space" shall mean an area of space located in a Building to be used by TCG to house telecommunications equipment. Additionally, roof or wall space used for wireless interconnection shall be included in the definition where applicable.
- 1.24. "Commingling" 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 TCG 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 Pennsylvania Public Utility Commission.
- 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 14 of Part A - General Terms and Conditions.

- 1.30. "Controlled Environment Vault" ("CEV") shall mean 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. "Custom Calling Features" means a set of Telecommunications Service features available to residential and single-line business customers including call-waiting, call-forwarding and three-party calling.
- 1.34. "Customer Proprietary Network Information" ("CPNI") is as defined in the Act.
- 1.35. "Database Management System" ("DBMS") is a computer process used to store, sort, manipulate and update the data required to provide selective routing and ALI.
- 1.36. "Day" means calendar days unless otherwise specified.
- 1.37. "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 TCG, including, but not limited to, DS1-, DS3-, and OCn-capacity level services, as well as dark fiber, dedicated to a particular customer or carrier.
- 1.38. "Demarcation Point" is that point on the loop where Embarq's control of the facility ceases, and the End User Customer's control of the facility begins.
- 1.39. "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.
- 1.40. "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.
- 1.41. "Directory Assistance Services" provides listings to callers. Directory Assistance Services may include the option to complete the call at the caller's direction.
- 1.42. "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.
- 1.43. "DS3 Loop" is a digital local Loop having a total digital signal speed of 44.736

megabytes per second.

- 1.44. "DSLAM" refers to a Digital Subscriber Line Access Multiplexer.
- 1.45. "Duct" is a single enclosed path to house facilities to provide Telecommunications Services.
- 1.46. "Effective Date" is the date referenced in the opening paragraph on page 1 of the Agreement, unless otherwise required by the Commission.
- 1.47. "Electronic Interface" means access to operations support systems consisting of preordering, ordering, provisioning, maintenance and repair and billing functions.
- 1.48. "Emergency Response Agency" is a governmental entity authorized to respond to requests from the public to meet emergencies.
- 1.49. "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.
- 1.50. "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.
- 1.51. "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).
- 1.52. "End Date" is the date this Agreement terminates as referenced in 5.1.
- 1.53. "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.
- 1.54. "FCC" means the Federal Communications Commission.
- 1.55. "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 shall be treated as non-Embarq fiber-optic cable. Two or more affiliated fiber-based collocators in a single Wire Center shall collectively be counted as a single fiber-based collocator. For purposes of this definition, the term affiliate is defined by 47 U.S.C. § 153(1) and any relevant interpretation in the Act.

- 1.56. "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.
- 1.57. "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").
- 1.58. "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.
- 1.59. "High Frequency Portion of the local Loop" ("HFPL") is defined as the frequency range above the voice band on a copper Loop facility that is being used to carry analog circuit-switched voice band transmissions provided by Embarq to the end-user customer.
- 1.60. "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.
- 1.61. "Incumbent Local Exchange Carrier" ("ILEC") is as defined in the Act.
- 1.62. "Interexchange Carrier" ("IXC") means a provider of interexchange Telecommunications Services.
- 1.63. "Indirect Traffic" means traffic which is originated by one Party and terminated to the other Party in which a third party Telecommunications Carrier provides the intermediary transiting service. Indirect traffic does not require a physical direct trunk group between the Parties.
- 1.64. "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.

- 1.65. "Inner Duct" or "Conduit" shall mean any passage or opening in, on, under, over or through the Embarq Central Office Building cable or conduit systems.
- 1.66. "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.
- 1.67. "Live Load Capacity" as it relates to TCG's collocation space refers to the structural strength of the floor to support the weight of TCG's property and equipment installed in the collocated space.
- 1.68. "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 TCG 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.
- 1.69. "Local Number Portability" ("LNP") means the ability of users of Telecommunications Services to retain, at the same Embarq served rate center, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one telecommunications carrier to another.
- 1.70. "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.
- 1.71. "Local Traffic" for the purposes of this Agreement the Parties shall agree that "Local Traffic" means traffic (excluding 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.
- 1.72. "Mobile Wireless Service" means any mobile wireless telecommunications service, including any commercial mobile radio service.
- 1.73. "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.
- 1.74. "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.

- 1.75. "National Emergency Number Association" ("NENA") is an association with a mission to foster the technological advancement, availability and implementation of 911 nationwide.
- 1.76. "Network Element" is as defined in the Act.
- 1.77. "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.
- 1.78. "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.
- 1.79. "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.
- 1.80. "OBF" means the Ordering and Billing Forum, which functions under the auspices of the CLC of the Alliance for Telecommunications Industry Solutions (ATIS).
- 1.81. "Operator Services" provides for:
 - 1.81.1. operator handling for call completion (e.g., collect calls);
 - 1.81.2. operator or automated assistance for billing after the subscriber has dialed the called number (e.g., credit card calls); and
 - 1.81.3. special services (e.g., BLV/BLI, Emergency Agency Call).
- 1.82. "Outside Cable Duct" shall mean 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.
- 1.83. "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 TCG, 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 shall provide such services, Network Elements, functionality or

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

- 1.84. "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.
- 1.85. "Parties" means, jointly, Embarq and TCG, and no other entity, affiliate, subsidiary or assign.
- 1.86. "Party" means either Embarq or TCG, and no other entity, affiliate, subsidiary or assign.
- 1.87. "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.
- 1.88. "Physical Collocation" is as defined in 47 CFR 51.5.
- 1.89. "Point of Interconnection" ("POI") is the physical point that establishes the technical interface, the test point, and the operational responsibility hand-off between TCG and Embarq for the local interconnection of their networks.
- 1.90. "Premises" is as defined in 47 C.F.R. 51.5.
- 1.91. "Pre-Order Loop Qualification" ("Loop Qualification") is an OSS function that includes supplying loop qualification information to TCG as part of the Pre-ordering Process. Examples of the type of information provided are:

- 1.91.1. Composition of the loop material, i.e. fiber optics, copper;
- 1.91.2. Existence, location and type of any electronic or other equipment on the loop, including but not limited to:
 - 1.91.2.1. Digital Loop Carrier ("DLC") or other remote concentration devices;
 - 1.91.2.2. Feeder/distribution interfaces;
 - 1.91.2.3. Bridge taps;
 - 1.91.2.4. Load coils;
 - 1.91.2.5. Pair gain devices; or
 - 1.91.2.6. Disturbers in the same or adjacent binders.
- 1.91.3. 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;
- 1.91.4. Wire gauge or gauges; and
- 1.91.5. Electrical parameters.
- 1.92. "Proprietary Information" shall have the same meaning as Confidential Information.
- 1.93. "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 TCG 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 TCG 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.
- 1.94. "Routing Point" means a location which Embarq or TCG has designated on its own network as the homing (routing) point for traffic inbound to Basic Exchange Services provided by Embarq or TCG 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 shall 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.

- 1.95. "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.
- 1.96. "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.
- 1.97. "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.
- 1.98. "Splitter" is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the DSLAM equipment or may be externally mounted.
- 1.99. "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.
- 1.100. "Switch" means a Central Office Switch as defined in this Part A.
- 1.101. "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).
- 1.102. "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.
- 1.103. "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.
- 1.104. "Technically Feasible" refers solely to technical or operational concerns, rather than economic, space, or site considerations.
- 1.105. "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.

- 1.106. "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.
- 1.107. "Tier 3" Wire Centers are those Embarq Wire Centers that are not Tier 1 or Tier 2 Wire Centers.
- 1.108. "Telecommunications" is as defined in the Act.
- 1.109. "Telecommunications Carrier" is as defined in the Act.
- 1.110. "Telecommunications Service" is as defined in the Act.
- 1.111. "Transit Service" means Local Traffic that originated on one Party's network, transited through the other Party's network, and terminated to a third party Telecommunications Carrier's network.
- 1.112. "Transit Traffic" means Local Traffic that originated on one Party's network, transited through the other Party's network, and terminated to a third party Telecommunications Carrier's network.
- 1.113. "Virtual Collocation" is as defined in 47 C.F.R. 51.5.
- 1.114. "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.
- 1.115. "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.
- 1.116. "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 Parts A through K, Tables One and Two and exhibits, specifies the rights and obligations of each party with respect to the establishment, purchase, and sale of Local Interconnection, resale of Telecommunications Services and Unbundled Network Elements. Certain terms used in this Agreement shall have the meanings defined in PART A -- DEFINITIONS, or as otherwise elsewhere defined throughout 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. PART B sets forth the general terms and conditions governing this Agreement. The remaining Parts set forth, among other things, descriptions of the services, pricing, technical and business requirements, and physical and network security requirements.

3. NETWORK CHANGES

- 3.1. Embarq shall provide notice of network changes and upgrades in accordance with §§ 51.325 through 51.335 of Title 47 of the Code of Federal Regulations. Embarq may discontinue any interconnection arrangement, Telecommunications Service, or Network Element provided or required hereunder due to network changes or upgrades after providing TCG notice as required by this Section. Embarq agrees to cooperate with TCG 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 TCG shall use their best efforts to obtain approval of this Agreement by any regulatory body having jurisdiction over this Agreement. In the event any governmental authority or agency rejects any provision hereof, the Parties shall negotiate promptly and in good faith such revisions as may reasonably be required to achieve approval.
- 4.2. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the texts of the Act and the orders, rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date ("Applicable Rules"). In the event of any amendment of the Act, any effective legislative action or any effective regulatory or judicial order, rule, regulation, arbitration award, dispute resolution procedures under this Agreement or other legal action purporting to apply the provisions of the Act to the Parties or in which the court, FCC or the Commission makes a generic determination that is generally applicable ("Legally Binding Action") which revises, modifies or reverses the Applicable Rules (individually and collectively, "Amended Rules"), either Party may, by providing written notice to the

other Party, require that the affected provisions of this Agreement be renegotiated in good faith and this Agreement shall be amended accordingly within ninety (90) 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. For purposes of this section, Legally Binding Action means that the legal ruling is in effect and has not been stayed.

- 4.3 Notwithstanding any other provision of this Agreement to the contrary Section 4.2 hereof shall control. Any rates, terms or conditions thus developed or modified shall be substituted in place of those previously in effect and shall be effective under this Agreement as of the effective date established by the Amended Rules, whether such action was commenced before or after the Effective Date of this Agreement. Should the Parties be unable to reach agreement with respect to the applicability of such order or the resulting appropriate modifications to this Agreement, either party may invoke the Dispute Resolution provisions of this Agreement, it being the intent of the parties that this Agreement shall be brought into conformity with the then current obligations under the Act as determined by the amended rules. Embarq may charge rates to TCG 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. Nothing in this section precludes either Party from appealing or otherwise challenging in an appropriate forum any Applicable Rule or Amended Rule, in accordance with Section 4.2 above.

5. TERM AND TERMINATION

- 5.1. This Agreement shall be deemed effective upon the Effective Date first stated above, and continue for a period of two years until September 25, 2008 ("End Date"), unless earlier terminated in accordance with this Section 5, provided however that if TCG 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. This agreement shall become binding upon execution by the Parties. No order or request for services under this Agreement shall be processed before the Effective Date, except as otherwise agreed to in writing by the Parties. No order or request for services under this Agreement shall be processed before TCG has established a customer account with Embarq and has completed the Implementation Plan described in this Agreement.
- 5.2. In the event of either Party's material breach of any of the terms or conditions hereof, including the failure to make any undisputed payment when due, the non-defaulting Party may immediately terminate this Agreement in whole or in part if the non-defaulting Party so advises the defaulting Party in writing of the event of the alleged default and the defaulting Party does not remedy the alleged default within sixty (60) Days after written notice thereof. The non-defaulting Party may pursue all available legal and equitable remedies for such breach.
- 5.3. Embarq may terminate this Agreement upon ten (10) Days notice if TCG 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 TCG that it has ceased doing business in this state. In addition to notice from TCG, Embarq

may utilize any publicly available information in concluding that TCG is no longer doing business in this state, and immediately terminate this Agreement.

- 5.4. Termination of this Agreement for any cause shall not release either Party from any liability which at the time of termination has already accrued to the other Party or which thereafter may accrue in respect to any act or omission prior to termination or from any obligation which is expressly stated in this Agreement to survive termination.
- 5.5. Notwithstanding the above, should Embarq sell or trade 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, TCG will provide Embarq notice to commence negotiations pursuant to Sections 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 6.1, and the Parties have not executed a successor agreement at the time of expiration, provided the Parties are actually in arbitration or mediation before the Commission or FCC under § 252 of the Act or the Parties have a written agreement to continue negotiations, it is the intent of the Parties to provide in this Section for post-expiration interim service arrangements between the Parties so that service to their respective end users will not be interrupted should a new agreement not be consummated prior to the End Date. Therefore, except in the case of termination as a result of the events under Sections 5.2, 5.3, 5.4 and 5.5, services that had been available under this Agreement, were ordered prior to the End Date and are actually in service as of the End Date may continue uninterrupted after the End Date at the written request of either Party only until the earlier to occur of (i) the Parties execute a successor agreement, 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 or mediation request.
- 6.3. In the event that on the End Date the Parties have not executed a successor agreement and Section 6.2 does not apply, Embarq will continue to provide services pursuant to one of the following:
 - 6.3.1. Such standard terms and conditions or tariffs approved by and made generally available by the Commission, if they exist; or
 - 6.3.2. An existing agreement between Embarq and another carrier adopted by TCG for the remaining term of that agreement. If TCG fails to designate an agreement under this subsection, then Embarq may designate such agreement.

7. CHARGES AND PAYMENT

- 7.1. In consideration of the services provided by Embarq under this Agreement, TCG 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 TCG hereunder are set forth in Part K.
- 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. For 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 sixty (60) Days after the bill date, Embarq will suspend processing new orders and cancel any pending orders.
- 7.2.2. If the account remains delinquent ninety (90) Days after the bill date, Embarq will terminate all services under this Agreement.
- 7.2.3 All bills must be received by the other Party no later than ten (10) calendar days from Bill Date and at least twenty (20) calendar days prior to the payment due date, whichever is earlier. If either Party fails to receive billing data and information within the time period specified above, the payment due date will be extended by the number of days the bill is late.
- 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 TCG 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 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 TCG 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 36.

8. AUDITS AND EXAMINATIONS

- 8.1. Each Party to this Agreement will be responsible for the accuracy and quality of its data as submitted to the other Party involved. Subject to each Party's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, either Party, at its own expense, may audit the other Party's books, records and other

documents directly related to billing and invoicing once in any twelve (12) month period for the purpose of evaluating the accuracy of the other Party's billing and invoicing. "Audit" shall mean a comprehensive review of bills for services performed under this Agreement; "Examination" shall mean an inquiry into a specific element of or process related to bills for services performed under this Agreement. Either party (the "Requesting Party") may perform one (1) Audit per twelve (12) month period commencing with the Effective Date, with the assistance of the other Party, which will not be unreasonably withheld. The Audit period will include no more than the preceding twelve (12) month period as of the date of the Audit request. The Requesting Party may perform Examinations, as it deems necessary, with the assistance of the other Party, which will not be unreasonably withheld.

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

9. INTELLECTUAL PROPERTY RIGHTS

- 9.1. Any intellectual property which originates from or is developed by a Party shall remain in the exclusive ownership of that Party. Intellectual property includes, without limitation, patent, copyright, trade mark, trade secrets, and other proprietary rights. Each Party grants to the other party a limited license to its intellectual property solely to the extent necessary for the use of any facility or equipment (including software) or for the receipt of services as provided under this Agreement. Except for such limited license to use its intellectual property, no license in patent, copyright, trademark or trade secret, or other proprietary or intellectual property right now or hereafter owned, controlled or licensable by a Party, is granted to the other Party or shall be implied or arise by estoppel.
- 9.2. TCG 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 TCG, third party intellectual property rights, under commercially reasonable terms, to each unbundled network element necessary for TCG to use such unbundled network element in the same manner as Embarq.
- 9.3. Embarq shall have no obligations to attempt to obtain for TCG any third party intellectual property right(s) that would permit TCG 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 TCG that contains intellectual property licenses, Embarq shall reveal to TCG 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 TCG's request, contact the vendor to attempt to obtain permission to reveal additional contract details to TCG.
- 9.5. All costs associated with the extension of third party intellectual property rights to TCG 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 TCG 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 TCG'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 TCG'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. Except as otherwise set forth in this Agreement, 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. Notwithstanding the foregoing, in no event shall Embarq's liability to TCG 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.

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. TCG shall indemnify and hold harmless Embarq from all claims by TCG's subscribers.
- 11.3. Embarq shall indemnify and hold harmless TCG 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 TCG's 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).

12. BRANDING

- 12.1. TCG shall provide the exclusive interface to TCG subscribers, except as TCG shall otherwise specify for the reporting of trouble or other matters identified by TCG for which Embarq may directly communicate with TCG subscribers. In those instances where TCG requests that Embarq personnel interface with TCG subscribers, such Embarq personnel shall inform the TCG subscribers that they are representing TCG, or such brand as TCG may specify.
- 12.2. Other business materials furnished by Embarq to TCG subscribers shall bear no corporate name, logo, trademark or tradename.
- 12.3. 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.
- 12.4. Embarq shall share pertinent details of Embarq's training approaches related to branding with TCG to be used by Embarq to assure that Embarq meets the branding requirements agreed to by the Parties.
- 12.5. 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.

13. REMEDIES

- 13.1. 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.

14. CONFIDENTIALITY AND PUBLICITY

- 14.1. 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 including but 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 and/or Proprietary Information").

- 14.2. During the term of this Agreement, and for a period of one (1) year thereafter, Recipient shall
- 14.2.1. use it only for the purpose of performing under this Agreement,
 - 14.2.2. hold it 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
 - 14.2.3. safeguard it from unauthorized use or Disclosure using no less than the degree of care with which Recipient safeguards its own Confidential Information.
- 14.3. Recipient shall have no obligation to safeguard Confidential Information
- 14.3.1. which was in the Recipient's possession free of restriction prior to its receipt from Disclosing Party,
 - 14.3.2. which becomes publicly known or available through no breach of this Agreement by Recipient,
 - 14.3.3. which is rightfully acquired by Recipient free of restrictions on its Disclosure, or
 - 14.3.4. which is independently developed by personnel of Recipient to whom the Disclosing Party's Confidential Information had not been previously disclosed.
- 14.4. 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.
- 14.5. Each Party agrees that in the event of a breach of this Section 14 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.
- 14.6. 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 14.6 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.

- 14.7. 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.
- 14.8. Except as otherwise expressly provided in this Section 14, 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.

15. DISCLAIMER OF WARRANTIES

- 15.1. 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.

16. ASSIGNMENT AND SUBCONTRACT

- 16.1. 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 TCG 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.
- 16.2. Except as provided in Section 16.1, 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.

17. GOVERNING LAW

- 17.1. 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.

18. RELATIONSHIP OF PARTIES

- 18.1. 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.

19. NO THIRD PARTY BENEFICIARIES

- 19.1. 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 TCG from providing its Telecommunications Services to other carriers.

20. NOTICES

- 20.1. 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
Embarq
9300 Metcalf
Overland Park, KS
66212
KSOPKB-4600

If to Bill C. Peacock
TCG: Director – Local Services
6304 Hwy 5
Douglasville, GA 30135

With a
copy to:

Doug Trabaris
With a Senior Attorney
copy to: 227 W. Monroe
Chicago, IL 60606

- 20.2. 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.

21. WAIVERS

- 21.1. 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.

- 21.2. 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.
- 21.3. Waiver by either party of any default by the other Party shall not be deemed a waiver of any other default.

22. SURVIVAL

- 22.1. 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, 14, 19, 21, and 24.

23. FORCE MAJEURE

- 23.1. 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 23 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 5.2, 5.3 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 TCG.

24. DISPUTE RESOLUTION

- 24.1. Except as otherwise stated in this Agreement, the Parties agree that any dispute that arises as to the interpretation of any provision of this Agreement or as to the proper implementation of this Agreement, may be taken to the Commission for resolution. The Parties may, by mutual agreement, agree to an alternative dispute resolution mechanism for any dispute. Each Party reserves the rights it may have to seek judicial review of any ruling made by the Commission concerning this Agreement. 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 or third party 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.

- 24.2. If any matter is subject to a bona fide dispute between the Parties, the disputing Party shall 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.
- 24.3. 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 shall 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 shall 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 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 shall be honored.
- 24.4. After such period either Party may file a complaint with the FCC or the Commission.

25. COOPERATION ON FRAUD

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

26. TAXES

- 26.1. 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.
- 26.2. Taxes and Fees Imposed Directly On Either Providing Party or Purchasing Party.
 - 26.2.1. 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.
 - 26.2.2. 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.
- 26.3. Taxes and Fees Imposed on Purchasing Party but Collected And Remitted By Providing

Party.

- 26.3.1. 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.
- 26.3.2. 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.
- 26.3.3. 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.
- 26.3.4. 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.
- 26.3.5. 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.
- 26.3.6. 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.
- 26.3.7. 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.

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

26.4.1. 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.

26.4.2. 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.

26.4.3. 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.

26.4.4. 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.

26.4.5. 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.

26.4.6. 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.

26.4.7. 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.

26.5. 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. AMENDMENTS AND MODIFICATIONS

27.1. 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.

28. SEVERABILITY

28.1. 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.

29. HEADINGS NOT CONTROLLING

29.1. 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.

30. ENTIRE AGREEMENT

30.1. 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.

31. SUCCESSORS AND ASSIGNS

31.1. Subject to the terms of this Agreement, Embarq and TCG agree this Agreement shall be binding upon, and inure to the benefit of, the Parties hereto and their respective successors and permitted assigns.

32. IMPLEMENTATION PLAN

- 32.1. This Agreement sets forth the overall standards of performance for the services, processes, and systems capabilities that the Parties will provide to each other, and the intervals at which those services, processes and capabilities will be provided. The Parties understand that the arrangements and provision of services described in this Agreement shall require technical and operational coordination between the Parties. Accordingly, the Parties agree to form a team (the "Implementation Team") which shall develop and identify those processes, guidelines, specifications, standards and additional terms and conditions necessary to support and satisfy the standards set forth in this Agreement and implement each Party's obligations hereunder.
- 32.2. 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 24.

33. FEDERAL JURISDICTIONAL AREAS

- 33.1 To the extent Embarq has contracts with federal entities that limit or prohibit the ability of TCG to provide resale and/or UNEs, such contract will govern telecommunications services on such Federal Enclave. If the contract with the federal entity provides for the ability to resell Embarq services or access UNEs to provide service on the Federal Enclave, Embarq will provide TCG with the information necessary to provision service on the Federal Enclave.

PART C - GENERAL PRINCIPLES

34. USE OF FACILITIES

34.1. 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.

34.1.1. Embarq will process such orders and provision services consistent with the terms contained in Section 71, of this Agreement.

34.1.2. Where TCG 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.

34.1.3. Embarq will follow methods prescribed by the FCC and any applicable state regulation for carrier change verification.

34.1.4. Customer with Existing Service Changing Local Service Provider

34.1.4.1. 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.

34.1.5. Customer with Existing Service Adding New Service

34.1.5.1. 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.

34.1.6. Customer Requesting New Service where Previous Customer has Abandoned Service

34.1.6.1. 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.

34.1.6.2. When a carrier requests service at a location and marks the order as abandoned and TCG is the previous local service provider,

Embarq shall notify TCG via fax that it has had a request for service at the premise location that is currently being served by TCG;

34.1.6.3. If available to Embarq, Embarq shall include the name and address of the party receiving service at such locations, but at a minimum shall provide local service address location information;

34.1.6.4. If TCG does not respond within twenty-four (24) business hours after receiving Embarq's notification or if TCG responds relinquishing the facilities, Embarq shall be free to use the facilities in question and Embarq shall issue a disconnect order with respect to the TCG service at that location. If TCG 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.

35. PRICE SCHEDULE

35.1. 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.

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

35.3. Local Service Resale

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

35.4. Unbundled Network Elements

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

35.5. Collocation

35.5.1. The charges that TCG shall pay to Embarq for Collocation are set forth in Table Two of this Agreement.

35.6. Call Related Databases

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

36. SECURITY DEPOSIT

36.1. Embarq reserves the right to secure the account with a suitable form of security deposit,

unless satisfactory credit has already been established through twelve (12) consecutive months of current payments for carrier services to Embarq and all ILEC affiliates of Embarq. A payment is not considered current in any month if it is made more than thirty (30) Days after the bill date.

- 36.2. The security deposit shall take the form of cash or cash equivalent, an irrevocable letter of credit or other form of security acceptable to Embarq.
- 36.3. If a security deposit is required in accordance with section 36.1 on a new account, TCG 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.
- 36.4. The security deposit shall be 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 \$10,000.
- 36.5. The fact that a security deposit has been made in no way relieves TCG 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.
- 36.6. Embarq may increase the security deposit requirements when, in Embarq's reasonable judgment, changes in TCG'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 30 days of the request, Embarq may stop processing orders for service and TCG will be considered in breach of the Agreement.
- 36.7. Any security deposit shall be held by Embarq as a guarantee of payment of any charges for carrier services billed to TCG. Embarq may exercise its right to credit any cash deposit to TCG'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:
 - 36.7.1. when TCG undisputed balances due to Embarq that are more than thirty (30) Days past due; or
 - 36.7.2. when TCG files for protection under the bankruptcy laws; or
 - 36.7.3. when an involuntary petition in bankruptcy is filed against TCG and is not dismissed within sixty (60) Days;
 - 36.7.4. when this Agreement expires or terminates;
 - 36.7.5. any letter of credit issued hereunder or any bank issuing a letter of credit hereunder (each, a "Letter of Credit Bank") fails to meet the terms, conditions, and requirements set forth in this Section 39; or
 - 36.7.6. TCG fails to provide Embarq with a replacement letter of credit on the terms set forth herein at least 10 business days prior to the expiration of

any letter of credit issued to Embarq hereunder.

- 36.8. 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. Cash or cash equivalent security deposits will be credited to TCG's account when TCG has made current payments for carrier services to Embarq and all Embarq ILEC affiliates for twelve (12) consecutive months.
- 36.9. Any letter of credit issued to Embarq hereunder must meet the following requirements:
- 36.9.1. The bank issuing any letter of credit hereunder (the "Letter of Credit Bank") must maintain a minimum credit rating of A (by Standard & Poors) or A2 (by Moody's). If TCG proposes that the letter of credit be issued by a bank that is not so rated by Standard & Poors or Moody's, then TCG must obtain the prior written approval of such bank by Embarq.
 - 36.9.2. The original letter of credit shall be in such form and on terms that are acceptable to Embarq and must include an automatic one-year extension.
 - 36.9.3. If TCG receives notice from the Letter of Credit Bank of any non-renewal of a letter of credit issued hereunder, then TCG shall promptly notify Embarq of such notice of non-renewal. Not later than 10 business days prior to the expiration of the expiring letter of credit, TCG shall 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 TCG provides a replacement letter of credit not later than 10 business days prior to the expiration of the expiring letter of credit, then Embarq shall not make a drawing under the expiring letter of credit. Upon receipt of a replacement letter of credit meeting the requirements set forth in this Agreement, Embarq will provide the original, expiring letter of credit to TCG.
 - 36.9.4. If TCG 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 36.

PART D - LOCAL RESALE

37. TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE

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

38. GENERAL TERMS AND CONDITIONS

- 38.1. The prices charged to TCG for Local Resale are the Embarq tariff retail prices, discounted as set forth in Part C of this Agreement.

38.1.1. Voluntary Federal and State Subscriber Financial Assistance Programs

- 38.1.1.1. Subsidized local Telecommunications Services are provided to low-income subscribers pursuant to requirements established by the appropriate state regulatory body, and include programs such as Voluntary Federal Subscriber Financial Assistance Program and Link-Up America. Voluntary Federal and State Subscriber Financial Assistance Programs are not Telecommunications Services that are available for resale under this Agreement.

- 38.1.2. Embarq shall offer for resale to TCG all Grandfathered Services solely for the existing grandfathered base on a customer specific basis. Embarq shall make reasonable efforts to provide TCG with advance copy of any request for the termination of service and/or grandfathering to be filed by Embarq with the Commission.

- 38.1.3. Embarq shall offer for resale all of its Telecommunications Services available at retail to subscribers who are not Telecommunications Carriers, including but not limited to Contract Service Arrangements (or ICB), Special Arrangements (or ICB), and Promotions in excess of ninety (90) Days, all in accordance with FCC and Commission Rules and Regulations. For Contract Service Arrangements, Special Arrangements, or ICBs, the end-user customer's agreement with 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 TCG 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 38.1.

38.1.4. 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.

38.1.5. 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) shall apply when the services are resold by TCG. Use limitations shall be in parity with services offered by Embarq to its end users.

38.1.6. Except as set forth above and as may be allowed by the FCC or Commission, Embarq shall not place conditions or restrictions on TCG'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, TCG shall be prohibited from marketing its products using the Embarq product name (e.g., TCG may purchase the features package called "Embarq Essential" but shall 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.

38.1.7. Voice Mail Service is not a Telecommunications Service available for resale under this Agreement. However, where available, Embarq shall make available for Local Resale the SMDI-E (Station Message Desk Interface-Enhanced), or SMDI (Station Message Desk Interface) where SMDI-E is not available, feature capability allowing for Voice Mail Services. Embarq shall make available the MWI (Message Waiting Indicator) interrupted dial tone and message waiting light feature capabilities where technically available. Embarq shall make available CF-B/DA (Call Forward on Busy/Don't Answer), CF/B (Call Forward on Busy), and CF/DA (Call Forward Don't Answer) feature capabilities allowing for Voice Mail services.

38.1.8. Hospitality Service. Embarq shall provide all blocking, screening, and all other applicable functions available for hospitality lines under tariff.

38.1.9. LIDB Administration

38.1.9.1. Embarq shall maintain customer information for TCG 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 shall update and maintain the TCG information in LIDB on the same schedule that it uses for its own similarly situated end-user subscribers.

38.1.9.2. Until such time as Embarq's LIDB has the software capability to recognize a resold number as TCG's, Embarq shall store the resold number in its LIDB at no charge and shall retain revenue for LIDB look-ups to the resold number.

38.1.10. Embarq will continue to provide Primary Interexchange Carrier ("PIC") processing for end-users obtaining resold service from TCG. Embarq will bill and TCG will pay any PIC change charges. Embarq will only accept said requests for PIC changes from TCG and not from TCG's end users.

PART E - NETWORK ELEMENTS

39. GENERAL

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

40. USE OF UNBUNDLED NETWORK ELEMENTS

- 40.1. Embarq shall offer UNEs to TCG for the purpose of offering Telecommunications Service to TCG subscribers. Embarq shall offer UNEs to TCG 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.
- 40.2. TCG 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 TCG's obligation to combine Embarq provided UNEs with any and all facilities and services whether provided by Embarq, TCG, or any other party. TCG may Commingle UNEs with Wholesale Services or tariffed access services obtained from Embarq as provided for in this Agreement.
- 40.3. Each UNE provided by Embarq to TCG shall 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.
- 40.4. TCG may use Network Elements provided under this Agreement for any Telecommunications Service subject to the restrictions listed below. TCG will provide self-certification, at the time of ordering, that these requirements are met for each UNE ordered.
- 40.4.1. Any combination of high capacity loops (DS1, DS3), to the extent available, and special access transport (a commingled facility) or Dedicated Transport, to the extent available, both of which are provided by Embarq is subject to the EEL use restrictions in section 52.4.4. Such restrictions apply irrespective of the manner in which the loops and transport are combined.
- 40.4.2. TCG may not access a UNE for the exclusive provision of Mobile Wireless Service. Facilities connecting Embarq's network and a Mobile Wireless Service provider's network do not qualify as UNEs and will not be available to TCG as UNEs.
- 40.4.3. TCG can use Network Elements provided by Embarq to provide Local

Exchange Service. TCG can also use UNEs for a non-local service as long as TCG is using such UNEs to provide a meaningful amount of Local Traffic.

40.4.4. TCG may not access a UNE for the exclusive provision of interexchange services. Unbundled loops ordered by TCG into a third party collocation cannot be used by the third party collocater to provide retail interexchange services. Facilities connecting Embarq's network and interexchange carriers' networks do not qualify as UNEs and will not be available to TCG as UNEs

40.4.5. TCG can use unbundled loops to provide xDSL services in accordance with this Agreement.

41. BONA FIDE REQUEST PROCESS

41.1. Embarq shall promptly consider and analyze TCG 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.

41.2. A BFR shall be submitted in writing on the Embarq Standard BFR Form and shall include a clear technical description of each request.

41.3. TCG may cancel a BFR at any time, but shall pay all reasonable and demonstrable costs of processing and/or implementing the BFR up to the date of cancellation.

41.4. Within ten (10) calendar days of its receipt, the Embarq shall acknowledge receipt of the BFR.

41.5. Except under extraordinary circumstances, within thirty (30) calendar days of its receipt of a BFR, the Embarq shall provide to TCG a preliminary analysis of such BFR.

41.6. Upon receipt of the preliminary analysis, TCG shall, within thirty (30) calendar days, notify Embarq, in writing, of its intent to proceed or not to proceed.

41.7. Embarq shall promptly proceed with the BFR upon receipt of written authorization from TCG. When it receives such authorization, Embarq shall promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.

41.8. As soon as feasible, but not more than ninety (90) calendar days after its receipt of authorization to proceed with developing the BFR, Embarq shall provide to TCG a BFR Quote which will include, at a minimum, a description of each service, the availability, the applicable rates and the installation intervals.

41.9. Within thirty (30) calendar days of its receipt of the BFR Quote, TCG 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.

- 41.10. 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.

42. INDIVIDUAL CASE BASIS PRICING

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

43. NETWORK INTERFACE DEVICE

- 43.1. 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.
- 43.2. The function of the NID is to establish the network demarcation point between a LEC (ILEC/TCG) 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.
- 43.3. TCG 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, TCG may request them pursuant to the process detailed in the Bona Fide Request Section herein.
- 43.4. Embarq will provide TCG 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 TCG's request. In such cases the charges specified in Table One will apply.
- 43.5. Embarq will not provide specialized (Embarq non-standard) NIDS.
- 43.6. The Embarq NID shall provide a clean, accessible point of connection for the inside wiring and for the distribution media and/or cross connect to TCG's NID and shall maintain a connection to ground that meets applicable industry standards. Each Party shall ground its NID independently of the other party's NID.
- 43.7. When requested, Embarq will provide NIDs separately from loops for a separate price as shown in Table 1. A NID will be provided with each unbundled loop and is included in the loop pricing shown in Table 1.

44. LOOP

- 44.1. Embarq will provide TCG access to Local Loops as defined in Part A including Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. The

following section includes the terms and conditions for Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. Terms and conditions for making any network modifications resulting from TCG's request for Local Loops is contained in Section 53.

- 44.2. At TCG'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 shall include Basic Testing and Cooperative Testing. Basic Testing shall include simple metallic measurements only, performed by accessing the loop through the voice switch. To the extent TCG requests testing that would require Embarq to purchase new equipment, establish new procedures, or make systems modifications, TCG will compensate Embarq for costs incurred to provide such testing. Request for additional testing must be submitted pursuant to the BFR Process in section 41.

44.2.1. Basic Testing does not include cooperative efforts that require Embarq's technician to work jointly with TCG's staff ("Cooperative Testing").

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

44.2.3. Embarq will charge TCG at the rates set out on Table One, when the location of the trouble on a TCG-reported ticket is determined to be in TCG's network or on the TCG end user's side of the Demarcation Point.

44.3. Analog Loop Capabilities

44.3.1. 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 TCG's end user's premises. TCG shall not install equipment on analog Loops that exceeds the specified bandwidth.

44.3.2. Embarq will provide analog Loops as Copper Loops, Hybrid Loops, and where required, FTTH Loops and FTTC Loops, based on available facilities.

44.4. Digital Loops

44.4.1. 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 TCG may deploy advanced services. Deployment of advanced services over digital loops by TCG will be consistent with the terms and conditions contained in Section 44.8. On digital Loops, Embarq will only provide electrical continuity and line balance.

44.4.2. Embarq shall employ industry accepted standards and practices to maximize binder group efficiency through analyzing the interference

potential of each loop in a binder group, assigning an aggregate interference limit to the binder group, and then adding loops to the binder group until that limit is met. Disputes regarding the standards and practices employed in this regard shall be resolved through the Dispute Resolution Process set forth in Part B of this Agreement.

44.4.3. Reverse ADSL Loops. If a TCG'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.

44.5. Non-Standard Digital Loops

44.5.1. If TCG 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 44.4 are applicable.

44.6. DS1 Loops

44.6.1. Subject to the cap in Section 44.6.2, Embarq will provide TCG 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.

44.6.2. TCG may obtain a maximum of ten unbundled DS1 loops to any single building in which DS1 loops are available as unbundled loops. If TCG has more than ten DS1 loops to a single building TCG will transition any DS1 loops in excess of ten to another service within 90 days.

44.6.3. For a 12-month period beginning on March 11, 2005, any DS1 loop UNEs that TCG leases from Embarq, but which Embarq is not obligated to unbundle pursuant to Sections 44.6.1 and 44.6.2, shall be available for lease from Embarq at the rates on Table One. TCG will true-up the rates paid for DS1 loops back to March 11, 2005. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of March 11, 2005. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for

orders submitted prior to December 11, 2005. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

44.6.4. Where Embarq is not required to provide unbundled DS1 loops pursuant to Sections 44.6.1 and 44.6.2, TCG may not obtain new DS1 loops as UNEs.

44.6.5. If Embarq identifies Wire Centers in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide TCG notice in accordance with the notice provisions of this Agreement. TCG shall not be able to order new DS1 loops for the identified wire centers 60 (sixty) days after 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 on the date of the notice shall be available for a 12-month period from the date of the notice at a rate equal that is 115% of rate TCG paid on the date of the notice.

44.6.5.1. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of the above notice date. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

44.7. DS3 Loops

44.7.1. Subject to the cap described in Section 44.7.2, Embarq shall provide TCG 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.

44.7.2. TCG may obtain a maximum of a single unbundled DS3 loop to any single building in which DS3 loops are available as unbundled loops. If TCG has more than one DS3 loops to a single building TCG will transition any DS3 loops in excess of one to another service within ninety (90) days.

44.7.3. For a 12-month period beginning on March 11, 2005, any DS3 loop UNEs

that TCG leases from Embarq of that date, but which Embarq is not obligated to unbundle pursuant to Sections 44.7.1 and 44.7.2, shall be available for lease from Embarq at the rates on Table One. TCG will true-up the rates paid for DS3 loops back to March 11, 2005. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of March 11, 2005. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for orders submitted prior to December 11, 2005. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

44.7.4. Where Embarq is not required to provide unbundled DS3 loops pursuant to Sections 44.7.1 and 44.7.2, TCG may not obtain new DS3 loops as UNEs.

44.7.5. If Embarq identifies Wire Centers in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide TCG notice in accordance with the notice provisions of this Agreement. TCG shall not be able to order new DS3 loops for the identified wire centers 30 days after 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 shall be available for a 12-month period from the date of the notice at a rate equal that is 115% of rate TCG paid on the date of the notice.

44.7.5.1. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of the above notice date. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

44.8. Adherence to National Industry Standards

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

44.8.2. Until long term industry standards and practices can be established, a particular technology shall be presumed acceptable for deployment under certain circumstances. Deployment that is consistent with at least one of the following circumstances presumes that such loop technology will not

significantly degrade the performance of other advanced services or impair traditional analog circuit-switched voice band services:

- 44.8.2.1. Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;
 - 44.8.2.2. Is approved by an industry standards body, the FCC, or any state commission or;
 - 44.8.2.3. Has been successfully deployed by any CLEC without significantly degrading the performance of other services.
 - 44.8.2.4. Where TCG seeks to establish that deployment of a technology falls within the presumption of acceptability under paragraph 44.8.2.3, the burden is on TCG 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.
- 44.8.3. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering party and give them a reasonable opportunity to correct the problem. The interfering Party will immediately stop any new deployment until the problem is resolved to mitigate disruption of other carrier services. If the affected parties are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that the deployed technology is the cause of the interference, the deploying party will remedy the problem by reducing the number of existing customers utilizing the technology or by migrating them to another technology that does not disturb.
- 44.8.4. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 44.8.2, the degraded service shall not prevail against the newly deployed technology.
- 44.8.5. If Embarq denies a request by TCG to deploy a technology, it will provide detailed, specific information providing the reasons for the rejection.
- 44.8.6. Parties agree to abide by national standards as developed by ANSI, i.e., Committee T1E1.4 group defining standards for loop technology. At the time the deployed technology is standardized by ANSI or the recognized standards body, the TCG will upgrade its equipment to the adopted standard within sixty (60) Days of the standard being adopted.
- 44.8.7. TCG shall meet the power spectral density requirement given in the respective technical references listed below:

- 44.8.7.1. For Basic Rate ISDN: Telcordia TR-NWT-000393
Generic Requirements for ISDN Basic Access Digital Subscriber
Lines.
- 44.8.7.2. 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.
- 44.8.7.3. For ADSL: ANSI T1.413-1998 (Issue 2 and subsequent
revisions) Asymmetrical Digital Subscriber Line (ADSL) Metallic
Interface.
- 44.8.7.4. As an alternative to Section 44.8.7.1, TCG 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.

44.9. Information to be Provided for Deployment of Advanced Services

44.9.1. Upon request, Embarq shall provide to TCG:

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

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

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

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

44.9.2.1. 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;

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

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

44.10. Hybrid Loops. Embarq will provide TCG 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.

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

44.10.1.1. 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

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

44.11. Fiber Loops

44.11.1. Dark Fiber Loops

- 44.11.1.1. Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is unactivated 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.
- 44.11.1.2. Embarq is not required to provide TCG with access to dark fiber loop on an unbundled basis.
- 44.11.1.3. For an 18-month period beginning on March 11, 2005, any dark fiber loop UNEs that TCG leases from Embarq as of March 11, 2005 shall 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 March 11, 2005 regardless of when this Agreement is effective. TCG may not obtain new dark fiber loops as UNEs.
- 44.11.1.4. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within eighteen months of March 11, 2005. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for orders submitted prior to December 11, 2005. By September 10, 2006, TCG must transition the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, Embarq will convert the Dark Fiber Loops to comparable access services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of TCG.

44.12. FTTH and FTTC Fiber Loops

- 44.12.1. 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.
- 44.12.2. 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:
 - 44.12.2.1. 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.
 - 44.12.2.2. 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.

- 44.12.2.3. 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.
- 44.12.2.4. 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, Sections 51.325 through 51.335 of the Code of Federal Regulations and applicable Commission requirements, if any.
- 44.13. Tag and Label. At TCG'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.
- 44.13.1. Embarq will include the following information on the label: order number, due date, TCG name, and the circuit number.
- 44.13.2. TCG must specify on the order form whether each Loop should be tagged and labeled.
- 44.13.3. 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.

45. SUBLOOPS

- 45.1. 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 TCG covering the interconnection time intervals, prices and other information based on the ICB process as set forth in this Agreement.
- 45.2. Embarq is not required to provide TCG access to dark fiber subloops.
- 45.3. 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 TCG 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.
- 45.3.1. 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.

- 45.4. Multiunit premises wiring. Embarq will make available to TCG 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.

45.4.1. 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.

45.4.2. 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.

- 45.5. Embarq will not provide or maintain inside wire in situations where it determines there are health or safety concerns in doing so.
- 45.6. Deployment of advanced services by TCG over subloops will be in accordance with the terms included in 44.8 and 44.9 of this section.
- 45.7. Reverse ADSL Loops. If a TCG'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.

46. OPERATIONS SUPPORT SYSTEMS (OSS)

- 46.1. 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.

47. LOOP MAKE-UP INFORMATION

- 47.1. Embarq shall 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.
- 47.2. Information provided to TCG will not be filtered or digested in a manner that would affect TCG's ability to qualify the loop for advanced services.
- 47.3. Embarq shall provide Loop Make-Up Information based on the individual telephone number or address of an end-user in a particular wire center or NXX code. Loop Make-Up Information requests will be rejected if the service address is not found within existing serving address information, if the telephone number provided is not a working number or if the POI identified is not a POI where TCG requests to connect to the Embarq LTD network.
- 47.4. Errors identified in validation of the Loop Make-Up Information inquiry order will be returned to TCG.
- 47.5. Embarq may provide the requested Loop Make-Up Information to TCG 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, TCG must provide a unique fax number used solely for the receipt of Loop Make-Up Information.
- 47.6. If TCG 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, TCG agrees that:
 - 47.6.1. TCG will be charged a Trouble Isolation Charge to determine the cause of the failure;
 - 47.6.2. If Embarq undertakes Loop Make-Up Information activity to determine the reason for such failure, TCG will be charged a Loop Make-Up Information Charge; and
 - 47.6.3. If Embarq undertakes Conditioning activity for a particular loop to provide for the successful installation of advanced services, TCG will pay applicable conditioning charges as set forth in Table One pursuant to Section 53.3 of this Agreement.

48. LOCAL CIRCUIT SWITCHING

- 48.1. DS0 Capacity (i.e. mass market)
 - 48.1.1. Embarq is not required to provide access to local circuit switching on an unbundled basis to TCG for the purpose of serving end-user customers using DS0 capacity loops.
 - 48.1.2. TCG shall migrate its embedded base of end-user customers off of the unbundled local circuit switching element, including local circuit

switching provided as part of UNE-P, to an alternative arrangement within 12 months of March 11, 2005. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of March 11, 2005. TCG must have completed the transition of the UNEs to alternative facilities or arrangements by the end of the twelve month period. If TCG fails to submit the necessary orders, Embarq will convert the UNE-P to comparable access services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of TCG.

48.1.3. Notwithstanding the above section, for a 12-month period from March 11, 2005, Embarq shall provide access to local circuit switching, including local circuit switching provided as part of UNE-P, on an unbundled basis for TCG to serve its embedded base of end-user customers. The price for unbundled local circuit switching, including local circuit switching provided as part of UNE-P, obtained pursuant to this section is set forth on Table One. TCG will true-up the rates paid for local circuit switching, including local circuit switching provided as part of UNE-P, back to March 11, 2005. TCG may not obtain new local circuit switching as an unbundled network element.

48.2. Elements related to the local circuit switching element will be made available on an unbundled basis to TCG to the extent that TCG is entitled to unbundled local circuit switching as set forth above.

48.2.1. Embarq will provide TCG 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.

48.3. 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.

48.4. Embarq is not required to provide access to local circuit switching on an unbundled basis to requesting carriers using DS1 capacity and above.

49. DEDICATED TRANSPORT

49.1. Embarq shall provide TCG 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.

49.1.1. 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.

- 49.2. Dedicated DS1 transport shall be made available to TCG 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.

49.2.1. Embarq shall 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.

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

49.2.3. For a 12-month period beginning on March 11, 2005, any DS1 dedicated transport UNE that TCG leases from Embarq as of that date, but which Embarq is not obligated to unbundle pursuant to Sections 49.2.1 and 49.2.2, shall be available for lease from Embarq at the rates on Table One. TCG will true-up the rates paid for DS1 dedicated transport back to March 11, 2005. Where Embarq is not required to provide unbundled DS1 transport pursuant Sections 49.2.1 and 49.2.2, TCG may not obtain new DS1 transport as unbundled network elements as of March 11, 2005. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of March 11, 2005. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for orders submitted prior to December 11, 2005. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, Embarq will convert the DS1 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 TCG.

49.2.4. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide TCG notice in accordance with the notice provisions of this Agreement. TCG shall not be able to order new DS1 Dedicated Transport for the identified routes 30 days after 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 on the date of the notice shall be available for a 12-month period from the date of the notice at a rate equal that is 115% of rate TCG paid on

the date of the notice.

49.2.4.1. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of the above notice date. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, Embarq will convert the DS1 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 TCG.

49.3. Dedicated DS3 transport shall be made available to TCG 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.

49.3.1. Embarq shall 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.

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

49.3.3. For a 12-month period beginning on March 11, 2005, any DS3 dedicated transport UNE that TCG leases from Embarq as of that date, but which Embarq is not obligated to unbundle pursuant to sections 49.3.1 and 49.3.2, shall be available for lease from the incumbent LEC at the rate on Table One. TCG will true-up the rates paid for DS3 dedicated transport back to March 11, 2005. Where Embarq is not required to provide unbundled DS3 transport pursuant to sections 49.3.1 and 49.3.2, TCG may not obtain new DS3 transport as unbundled network elements. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of March 11, 2005. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for orders submitted prior to December 11, 2005. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

49.3.4. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide TCG notice in accordance with the notice provisions of this Agreement. TCG shall not be able to order new DS3 Dedicated Transport for the identified routes 30 days after 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 on the date of the notice shall be available for a 12-month period from the date of the notice at a rate equal that is 115% of rate TCG paid on the date of the notice.

49.3.4.1. TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within twelve months of the above notice date. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, 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 TCG.

49.4. Technical Requirements for DS1 and DS3 Dedicated Transport

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

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

49.4.1.2. Where Embarq has technology available, Embarq shall provide Dedicated Transport using currently available technologies including, but not limited to, DS1 and DS3 transport systems, SONET (or SDS) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONET (or SDS) point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates.

49.5. Dedicated Dark Fiber Transport

49.5.1. General Rules and Definition

49.5.1.1. Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is unactivated 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.

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

Embarq shall 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.

Beginning on March 11, 2005 and for an 18-month period, any dark fiber transport UNE that TCG leases from Embarq, where Embarq is not obligated to provide unbundled dark fiber transport, shall be available at the rates on Table One. TCG will true-up the rates paid for dark fiber dedicated transport back to March 11, 2005. Where Embarq is not required to provide unbundled dark fiber transport, TCG may not obtain new dark fiber transport as a UNE.

TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within eighteen months of March 11, 2005. By September 10, 2006, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, Embarq will convert the Dark Fiber 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 TCG.

49.5.1.3. If Embarq identifies routes in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide TCG notice in accordance with the notice provisions of this Agreement. TCG shall not be able to order new Dark Fiber Dedicated Transport for the identified routes 30 days after 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 on the date of the notice shall be available for a 18-month period from the date of the notice at a rate equal that is 115% of rate TCG paid on the date of the notice.

TCG must submit the necessary orders to convert these UNEs to an alternative service arrangement within eighteen months of the

above notice date. Embarq will issue a credit to TCG for the service order/conversion charge in Table One for orders submitted prior to December 11, 2005. By the end of the twelve month period, TCG must have transitioned the UNEs to alternative facilities or arrangements. If TCG fails to submit the necessary orders, Embarq will convert the Dark Fiber 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 TCG.

49.5.2. Fiber Availability

- 49.5.2.1. 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.
- 49.5.2.2. Embarq will also maintain fibers to facilitate maintenance, rearrangements and changes. Embarq will generally reserve 8% of fibers in a sheath for maintenance, subject to a minimum of four (4) fibers and a maximum of twelve (12) fibers.
- 49.5.2.3. Dark fiber requests will be handled on a first come, first served basis, based on the date the Dark Fiber Application (DFA) is received.

49.5.3. Interconnection Arrangements

- 49.5.3.1. Rules for gaining access to unbundled network elements apply to Dark Fiber. Virtual and physical collocation arrangements may be used by TCG to locate the optical electronic equipment necessary to "light" leased Dark Fiber.
- 49.5.3.2. The CLEC that requests Dark Fiber must be able to connect to the Embarq fiber by means of fiber patch panel.
- 49.5.3.3. If fiber patch panels (FPPs) are not located within close enough proximity for a fiber patch cord, Embarq will purchase and install intraoffice cabling at TCG's expense. This process is outside the scope of this agreement.
- 49.5.3.4. 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 TCG.

49.5.4. Dark Fiber Application and Ordering Procedure

- 49.5.4.1. TCG will submit a Dark Fiber Application (DFA) and application fee to request that Embarq determine the availability of Dark Fiber between TCG-specified locations. See Table One for application fee amount.
- 49.5.4.2. Within twenty (20) business days of receipt of DFA, Embarq will provide TCG with a response regarding fiber availability and price.

If Dark Fiber is not available, Embarq will notify
TCG of the DFA rejection.

TCG will follow the Dispute Resolution Process outlined in Part B of this Agreement if TCG wishes to contest the rejection.

- 49.5.4.3. If Dark Fiber is available, TCG will notify Embarq of acceptance/rejection 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 TCG during these ten (10) business days. If, however, TCG does not submit a firm order by the tenth (10th) business day, the fiber will no longer be reserved.
- 49.5.4.4. After ten (10) business days of receipt of the price quote, if TCG has not accepted, TCG must submit another DFA and application fee.
- 49.5.4.5. TCG will submit a firm order for Dark Fiber via an access service request (ASR).
- 49.5.4.6. By submitting the Dark Fiber firm order, the TCG agrees to pay quoted monthly recurring and non-recurring charges. See Table One for monthly recurring and non-recurring charges.
- 49.5.4.7. Due Date. Embarq will provision Dark Fiber twenty (20) Business Days after it receives firm order from TCG. Billing of the monthly recurring and non-recurring charges will begin upon completion of Dark Fiber order. Embarq will allow TCG to extend due date for firm order completion up to sixty (60) business days from the date Embarq receives firm order from TCG. This extended due date must be specified on the firm order.

Billing of the monthly recurring and non-recurring charges will begin on the due date of the Dark Fiber order completion unless:

- 49.5.4.7.1.1. TCG cancels firm order before the established due date. If this occurs, TCG agrees to reimburse Embarq for all costs incurred to date; or
- 49.5.4.7.1.2. a third party submits firm order for same Dark Fiber. If this occurs, TCG 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 TCG.

49.5.5. Maintenance and Testing

- 49.5.5.1. Embarq is only responsible for maintaining the facilities that it owns.
- 49.5.5.2. Embarq will conduct an end-to-end test of Dark Fiber after receipt of the firm order.
- 49.5.5.3. For meet point arrangements, Embarq will conduct cooperative testing with another carrier at TCG's request. Additional rates and charges will apply.
- 49.5.5.4. Embarq does not guarantee that the transmission characteristics of the Dark Fiber will remain unchanged over time.
- 49.5.5.5. Embarq is not responsible for determining whether the transmission characteristics of the Dark Fiber will accommodate the TCG requirements.

49.5.6. Rules for Take Back

- 49.5.6.1. Embarq reserves the right to take back Dark Fiber to meet its carrier of last resort obligations.
- 49.5.6.2. Embarq will provide TCG twelve (12) months written notice prior to taking back fiber.
- 49.5.6.3. If multiple CLECs have leased fiber within a single sheath, Embarq will take back the fiber that was the last to be leased.
- 49.5.6.4. Embarq will provide TCG with alternative transport arrangements when Embarq takes back working fiber.
- 49.5.6.5. The Dispute Resolution Procedures found in Part B of this Agreement will be followed if TCG wishes to contest Embarq's decision to take back its leased fiber.

50. COMMINGLING

- 50.1. For the purpose of this section, wholesale services includes both services TCG procures for resale pursuant to 251(c)(4) and exchange access service purchased from Embarq's access tariffs.
- 50.2. TCG may Commingle an unbundled network element or combination of UNEs with wholesale services purchased from Embarq, subject to section 52.4.4. Upon request, Embarq will perform the work necessary to Commingle such UNE or UNE combinations with wholesale services purchased from Embarq subject to section 41. 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.

51. LINE SPLITTING

51.1. Line Splitting

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

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

51.1.3. Embarq shall institute procedures to allow TCG or another carrier to order HFS data capabilities on a UNE loop.

51.2. When either TCG or the other carrier orders Line Splitting using TCG's OCN, TCG 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.

52. UNE COMBINATIONS

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

52.2. General Terms and Conditions

52.2.1. Embarq will allow TCG to order each UNE individually in order to permit TCG 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. TCG will compensate Embarq the costs of work performed to combine the requested UNEs.

52.2.2. TCG may Commingle an unbundled network element or combination of UNEs with access services purchased from Embarq. Upon request, Embarq will perform the work necessary to Commingle such UNE or UNE combinations with wholesale services purchased from Embarq.

TCG 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 access service, will be billed at the UNE or access 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 access rates for the same component. Access service rates will be per the appropriate tariff. Embarq will provide TCG access to EEL as provided in this Agreement. Any request by TCG 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 41 and made available to TCG upon implementation by Embarq of the necessary operational modifications.

- 52.2.3. The provisioning of EEL combinations is limited to existing facilities and Embarq is not obligated to construct additional facilities to accommodate any request by TCG.

52.3. Specific Combinations and Pricing

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

52.4. Embarq Offers the Following Combinations of Network Elements

- 52.4.1. Embedded Base of Voice Unbundled Network Element Platform (UNE-P). VOICE UNE-P is the existing combination of the NID, Loop, Local Circuit Switching, Shared Transport, and Local Tandem Switching network elements.

- 52.4.1.1. Embarq will continue to provide existing combinations of the NID, Loop, Local Circuit Switching, Local Switch Port, Shared Transport, and Local Tandem Switching (where Embarq is the provider of Shared Transport and Local Tandem Switching) unbundled network elements to provide VOICE UNE-P, to the extent Embarq is required to provide unbundled local switching as set forth in Section 48 above, at the applicable recurring charges and non-recurring charges as specified in Table One for VOICE UNE-P plus the applicable Service Order Charge until March 10, 2006. Embarq will also bill TCG for applicable Usage Data Recording and Transmission Charges as indicated in Table One.

- 52.4.1.2. Until such time as Embarq can bill the recurring charges for usage based VOICE UNE-P elements (Local Circuit Switching, Shared Transport, Local Tandem Switching), these charges will be billed to TCG at the recurring flat rate charge reflected in Table One. Upon the implementation of

the necessary operational modifications, Embarq will convert from billing TCG based on this flat rated monthly charge to applicable usage based charges for the VOICE UNE-P elements.

- 52.4.1.3. Reciprocal compensation for UNE-P Local Traffic and ISP-Bound Traffic that originates and terminates within the same switch shall be on a bill and keep basis.
 - 52.4.1.4. Embarq will provide originating and terminating access records to TCG for access usage over UNE-P. TCG will be responsible for billing the respective originating and/or terminating access charges directly to the IXC. Embarq will bill TCG at the rate set forth in Table 1 for these records.
 - 52.4.1.5. Embarq will provide TCG toll call records that will allow it to bill its end users for toll charges. Such record exchange will be in industry standard EMI format as the charges set forth in Table One. Any non-standard requested format would be handled through the BFR process as set forth in Section 41 of this Agreement. Embarq will bill TCG at the rate set forth in Table 1 for these records.
- 52.4.2. EEL is the combination of the NID, Loop, and Dedicated Transport network elements.
- 52.4.2.1. 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. The applicable recurring and nonrecurring charges, including but not limited to cross connect charges and Service Order Charges. 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 TCG's provision of circuit switched telephone exchange service to TCG's end users.
 - 52.4.2.2. Multiplexing shall be provided as necessary as part of Dedicated Transport.
- 52.4.3. In order to obtain the EEL combinations below, a requesting TCG must provide certification that it satisfies the service eligibility criteria for each circuit as set forth below. For existing EELs, TCG must recertify compliance with the EELs criteria within 30 days of the Effective Date of this Agreement. TCG must continue to be in compliance with the service eligibility criteria for as long as TCG continues to receive the services in

this section. Embark will offer the following EEL Combinations:

- 52.4.3.1. Unbundled DS1 Loop in combination with UNE DS1 Dedicated Transport.
- 52.4.3.2. Unbundled DS1 Loop commingled with dedicated DS1 transport wholesale service.
- 52.4.3.3. Unbundled DS1 Loop in combination with UNE DS3 Dedicated Transport.
- 52.4.3.4. Unbundled DS1 Loop commingled with dedicated DS3 transport wholesale service.
- 52.4.3.5. Unbundled DS3 Loop in combination with UNE DS3 Dedicated Transport.
- 52.4.3.6. Unbundled DS3 Loop commingled with dedicated DS3 transport wholesale service.
- 52.4.3.7. Unbundled DS1 Dedicated Transport commingled with DS1 channel termination.
- 52.4.3.8. Unbundled DS3 Dedicated Transport commingled with DS1 channel termination service.
- 52.4.3.9. Unbundled DS3 Dedicated Transport commingled with DS3 channel termination service.

52.4.4. EEL Eligibility Criteria

- 52.4.4.1. TCG must have state certification to provide local voice service in the area being served or, in the absence of a state certification requirement, TCG must have complied with registration, tariffing, filing fee, or other regulatory requirements applicable to the provision of local voice service in the area served;
- 52.4.4.2. 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:

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

Each DS1-equivalent circuit on a DS3 EEL must have its own local number assignment, so that each DS3 has at least 28 local voice numbers assigned to it;

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

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

52.4.4.2.1.1. a collocation established pursuant to section 251(c)(6) of the Act and located at Embarq's premises within the same LATA as the TCG's customer's premises, when Embarq is not the collocater; or

52.4.4.2.1.2. a collocation located at a third party's premises within the same LATA as the TCG's customer's premises, when Embarq is the collocater.

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

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

52.4.4.3. Embarq has the right, upon thirty (30) Days notice, to audit TCG'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. TCG will reimburse Embarq if the audit report concludes that TCG failed to comply with the service eligibility criteria. Embarq may request one audit in a calendar year. In the instance of non-compliance, TCG shall true-up any difference in payments, convert the non-compliant circuit to the appropriate service and make accurate payments going forward. These audit rights are in addition to Embarq's audit

rights in Part B of this Agreement.

53. MODIFICATIONS TO EMBARQ'S EXISTING NETWORK

53.1. Modifications to Unbundled Loop

53.1.1. Embarq will make routine network modifications to unbundled loop facilities used by TCG 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. TCG 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.

53.1.1.1. 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 TCG.

53.1.1.2. 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.

53.2. Modifications to Dedicated Transport

53.2.1. Embarq will make routine network modifications to unbundled dedicated transport facilities used by TCG 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. TCG 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.

53.2.1.1. 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 TCG 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 TCG.

53.3. Loop Conditioning

53.3.1. 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 TCG's request and will assess charges for loop conditioning in accordance with the prices listed in Table One. Embarq recommends that TCG utilize the Loop Make-Up process in Section 47 prior to submitting orders for loops intended for advanced services.

PART F - INTERCONNECTION

54. LOCAL INTERCONNECTION TRUNK ARRANGEMENT

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

54.1.1 The Parties shall make available to each other two-way trunks for the reciprocal exchange of combined Local Traffic, and non-equal access IntraLATA toll traffic.

54.1.1.1. The Parties agree to use two-way trunks as follows: the Parties shall within 180 days of the execution of this Agreement, finalize the transition to two-way trunks, absent engineering or billing issues. The Parties shall also transition all one-way trunks to two-way trunks established under this Agreement.

54.1.2. Separate two-way trunks will be made available for the exchange of equal-access InterLATA or IntraLATA interexchange traffic.

54.1.3. Separate trunks will be utilized for connecting TCG's switch to each 911/E911 tandem.

54.2. Points of Interconnection

54.2.1. Point of Interconnection. Unless interconnecting with Embarq on an indirect basis subject to Section 60, TCG must establish a minimum of one POI within each LATA, at any technically feasible point, on Embarq's network. TCG and Embarq will utilize such POI for the mutual exchange of traffic. To the extent Embarq's network contains multiple tandems in the LATA, TCG will interconnect to each tandem where TCG exchanges traffic. Each Party will be responsible for engineering and maintaining its network on its side of the POI. TCG and Embarq agree to a bill and keep compensation arrangement for facilities on each parties' respective side of the POI. Specifically, each Party is financially responsible for facilities on their respective side of the POI with no cost sharing, and each party is financially responsible for transporting its originated traffic to the POI.

54.2.1.1 TCG must establish a direct end office trunk at an Embarq end office when total traffic volumes exchanged between that particular Embarq end office and TCG exceeds a DS1 equivalent.

54.2.1.1 Each Party is financially responsible for transporting its originated traffic to the POI, subject to Section 56.6.

54.3. 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, unless TCG specifies another point within the exchange boundary and provides the needed transport at no additional cost to Embarq.

54.4. Technical Requirements for Interconnection

54.4.1. Interconnection at the Embarq Tandem

- 54.4.1.1. Interconnection to Embarq Tandem Switch(es) will provide TCG 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.
- 54.4.1.2. Interconnection to an Embarq Tandem for Transit Traffic purposes will provide access to telecommunications carriers which are connected to that Tandem Switch.
- 54.4.1.3. Where an Embarq Tandem Switch also provides End-Office Switch functions, interconnection to an Embarq tandem serving that exchange will also provide TCG access to Embarq's end offices.

54.4.2. Interconnection at the Embarq End Office

- 54.4.2.1. Interconnection to Embarq End Office Switch will provide TCG 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.

55. INTERCARRIER COMPENSATION

- 55.1. The rates to be charged for the exchange of Local Traffic and ISP-Bound Traffic are set forth in Table One and shall be applied consistent with the provisions of Part F of this Agreement.

- 55.1.1. The Parties agree that by executing this Agreement and carrying out the intercarrier compensation rates, terms and conditions herein, neither Party waives any of its rights, and expressly reserves all of its rights, under the *Order on Remand and Report and Order*, FCC 01-131, CC Dockets No. 96-98 and 99-68, adopted April 18, 2001 (the "ISP Compensation Order"), including but not limited to Embarq's option to invoke on a date specified by Embarq the FCC's ISP interim compensation regime, after which date ISP-bound traffic will be subject to the FCC's prescribed interim compensation regime including the terminating compensation rates, and other terms and conditions. CLEC agrees that on the date designated by ILEC, the Parties will begin billing Reciprocal Compensation to each other at the rates, terms and conditions specified in the FCC's ISP Compensation Order, unless the Parties are exchanging traffic (Local Traffic and/or ISP-Bound traffic) at Bill and Keep, such Bill and Keep arrangement shall continue.

- 55.2. Compensation for the termination of all toll traffic and the origination of 800 traffic

between the interconnecting parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations and consistent with the provisions of Part F of this Agreement. If TCG is acting as an IXC and a competitive local exchange carrier, TCG must have a unique CIC for each type of service order. Specifically, TCG 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.

- 55.3. 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. The Parties agree to use 25%, which is a negotiated factor, to determine the amount of Embarq End User originated traffic terminated by TCG that will be presumed to be Virtual NXX traffic. Currently, TCG does not provision its ADL service offering using VNXX arrangements. However, if TCG does offer VNXX with ADL service in the future, the 25% negotiated factor for Embarq End User originated traffic terminated to TCG ADL customers would apply. Should the 25% VNXX factor require modification, the Parties agree to re-negotiate a new VNXX factor via Amendment to this Agreement. The Parties agree that Virtual NXX traffic will be compensated on a bill and keep basis.
- 55.4. For traffic that originates from a traditional telephone device and terminates to a non-telecommunications device ("Phone-to-Computer") or originates from a non-telecommunications device and terminates to a traditional telephone device ("Computer-to-Phone"), the Parties have been unable to agree as to whether Voice over Internet Protocol ("VOIP") transmissions which cross local calling area boundaries constitute Exchange Access Traffic. Notwithstanding the foregoing, and without waiving any rights with respect to either Party's position as to the jurisdictional nature of VOIP, voice calls that are transmitted, in whole or in part, via the public Internet or a private IP network (VoIP) shall be compensated in the same manner as voice traffic (e.g. reciprocal compensation, interstate access, and intrastate access). The Parties agree to abide by an effective and applicable FCC and/or state commission rules and orders regarding the nature of such traffic and the compensation payable by the Parties for such traffic, if any, in accordance with Section 4 of this Agreement.
- 55.5. A call placed on a non-local basis (e.g., a toll call or 8yy call) to an ISP shall not be treated as ISP-Bound Traffic for compensation purposes. The Parties agree that, to the extent such "non-Local" ISP calls are placed, that the rates, terms and conditions for IntraLATA and/or InterLATA calling shall apply, including but not limited to rating and routing according to the terminating parties' Exchange Access intrastate and/or interstate tariffs.
- 55.6. TCG 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 TCG's traffic study documentation of the PLU at any time to verify the factor, and may compare the documentation to studies developed by Embarq. Should the documentation indicate that the factor should be changed, the parties agree that it shall be retroactive for one quarter prior to the quarter being reviewed. If the documentation indicates it is warranted, such change may apply back to the effective date of the last review, but in no event shall the change be retroactive beyond a maximum of

six months. For non-Local Traffic, the Parties agree to exchange traffic and compensate one another based on the rates and elements included in each party's access tariffs. TCG will transmit calling party number (CPN) as required by FCC rules (47 C.F.R. 64.1601).

55.6.1. To the extent technically feasible, each Party will transmit 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 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 90%, all calls transmitted without CPN will be billed at intrastate access rates.

56. SIGNALING NETWORK INTERCONNECTION

- 56.1. Embarq will offer interconnection to its signaling transfer points (STPs) for TCG switches which connect to Embarq's STPs via "A" links or for TCG's "B" or "D" links which are dedicated to the transport of signaling for local interconnection.
- 56.2. Signaling protocol. The parties will interconnect their networks using SS7 signaling where technically feasible and available as defined in FR 905 Telcordia Standards including ISDN User Part (ISUP) for trunk signaling and TCAP for CCS-based features in the interconnection of their networks. All Network Operations Forum (NOF) adopted standards shall be adhered to.
- 56.3. Standard interconnection facilities shall be Extended Superframe (ESF) with B8ZS line code. Where ESF/B8ZS is not available, TCG 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.
- 56.4. Where TCG is unwilling to utilize an alternate interconnection protocol, TCG 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 TCG 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, TCG, or Embarq internal customer demand for 64K CCC trunks.

56.5. Signaling Systems

56.5.1. Signaling Link Transport

56.5.1.1. Signaling Link Transport is a set of two or four dedicated 56 Kbps transmission paths between TCG-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity and a cross connect at an Embarq STP site.

56.5.1.2. Technical Requirements. Signaling Link transport shall consist of full duplex mode 56 Kbps transmission paths.

56.5.2. Signaling Transfer Points (STPs)

56.5.2.1. STPs provide functionality that enables the exchange of SS7 messages among and between switching elements, databases and third party signaling transfer points.

56.6. 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:

56.6.1. Embarq local switching or Tandem Switching;

56.6.2. Embarq Service Control Points (SCPs)/Databases if arranged for under separate agreements;

56.6.3. Third-party local or Tandem Switching systems subject to any additional conditions or terms of the Third Party and

56.6.4. Third party provider STPs subject to any additional conditions or terms of the Third Party.

56.7. Interface Requirements. Embarq shall provide the following STP options to connect TCG or TCG-designated local switching systems or STPs to the Embarq SS7 network:

56.7.1. An A-link interface from TCG local switching systems; and

56.7.2. B- or D-link interface from TCG STPs.

56.7.3. Each type of interface shall be provided by one or more sets (layers) of signaling links, as follows:

56.7.3.1. An A-link layer shall consist of two links,

56.7.3.2. A B- or D-link layer shall consist of four links,

56.8. Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the Embarq STP is located. Interface to Embarq's STP shall be the 56kb rate. The 56kb rate can be part of a larger facility, and TCG shall pay multiplexing/demultiplexing and channel termination, plus mileage of any leased facility.

57. TRUNK FORECASTING

- 57.1. TCG shall provide forecasts for traffic utilization over trunk groups. Orders for trunks that exceed forecasted quantities for forecasted locations will be accommodated as facilities and/or equipment are available. Embarq shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate orders when facilities are not available. Company forecast information must be provided by TCG 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 shall project trunk gain/loss on a monthly basis for the forecast period, and shall include:
- 57.1.1. 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);
 - 57.1.2. The use of Common Language Location Identifier (CLLI-MSG), which are described in Telcordia documents BR 795-100-100 and BR 795-400-100;
 - 57.1.3. 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 TCG that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.
 - 57.1.4. Parties shall meet to review and reconcile the forecasts if forecasts vary significantly.
- 57.2. TCG shall provide an updated trunk forecast when ordering or requesting additional trunks from Embarq anytime after the initial trunk implementation.
- 57.3. Each Party shall provide a specified point of contact for planning forecasting and trunk servicing purposes.
- 57.4. 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 TCG and Embarq.
- 57.5. The parties agree to abide by the following if a forecast cannot be agreed to: local interconnection trunk groups will be provisioned to the higher forecast. A blocking standard of one percent (1%) during the average busy hour shall be maintained. Should the Parties not agree upon the forecast, and the Parties engineer facilities at the higher forecast, the Parties agree to abide by the following:
- 57.5.1. In the event that TCG 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.

57.5.2. 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.

57.5.3. 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.

57.6. 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 TCG end office and an Embarq access Tandem carrying meet point traffic shall be maintained. All other Tandem trunk groups are to be engineered with a blocking standard of one percent (1%). Direct end office trunk groups are to be engineered with a blocking standard of one percent (1%).

57.7. Trunk Servicing. Orders between the Parties to establish, add, change or disconnect trunks shall be processed by use of an ASR, or another industry standard eventually adopted to replace the ASR for trunk ordering.

58. NETWORK MANAGEMENT

58.1. Protective Protocols. Either Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps on traffic toward each other's network, when required to protect the public switched network from congestion due to facility failures, switch congestion or failure or focused overload. TCG and Embarq will immediately notify each other of any protective control action planned or executed.

58.2. Expansive Protocols. Where the capability exists, originating or terminating traffic reroutes may be implemented by either party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes will not be used to circumvent normal trunk servicing. Expansive controls will only be used when mutually agreed to by the parties.

58.3. Mass Calling. TCG and Embarq shall cooperate and share pre-planning information, where available, regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes, to prevent or mitigate the impact of these events on the public switched network.

59. USAGE MEASUREMENT

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

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

60. TRANSIT TRAFFIC

- 60.1. Transit Traffic means the delivery of Local Traffic by CLEC or Sprint originated by the end user of one Party and terminated to a third party LEC, ILEC, or CMRS provider over the local/intraLATA interconnection trunks. This section shall not apply to non-Local Traffic. Sprint will provide transport and any necessary switching for non-Local Traffic in accordance with Sprint's access tariffs. Sprint will provide transport and any necessary switching for MCA (Metropolitan Calling Area) traffic in accordance with Commission rules and orders.
- 60.2. To the extent network and intercarrier compensation 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 TCG's connection of its end user to a local end user of: (1) TCGs, (2) an ILEC other than Embarq, (3) IXC's, and (4) other CMRS carriers.
- 60.3. Terms and Conditions
- 60.3.1. 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.
- 60.3.2. Each Party acknowledges that the transiting Party does not have any responsibility to pay any third party LEC, ILEC, or CMRS provider charges for termination or any transit traffic from the originating Party except as provided for in Section 60.4.1.1. Both Parties reserve the right not to pay such charges on behalf of the originating Party.
- 60.3.3 Notwithstanding any other provision to the contrary, once the Transit Traffic volume between TCG and a third party exceeds a DS1 equivalent of traffic, Embarq will no longer provide transit service and TCG 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, TCG shall establish a direct interconnection with such third party. After sixty (60) days, if TCG has not established a direct interconnection and if TCG is exercising its best efforts to implement a direct connection with

such third party, Embarq shall continue to transit the traffic. If Embarq disagrees that TCG is using its best efforts to implement a direct connection, Embarq may seek relief pursuant to the Dispute Resolution provisions.

60.4. Payment Terms and Conditions

60.4.1. In addition to the payment terms and conditions contained in other Sections of this Agreement, the originating Party shall pay to the transiting Party a transit service charge as set forth in Table One.

60.4.1.1. TCG shall pay a transit rate as set forth in Table One of this Part when TCG uses an Embarq access tandem to terminate a local or ISP-bound call to a third party LEC or another TCG. Embarq shall pay TCG a transit rate equal to the Embarq rate referenced above when Embarq uses a TCG switch to terminate a local call to a third party LEC or another TCG.

60.5. Billing Records and Exchange of Data

60.5.1. Parties will use the best efforts to convert all network's 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 Parties agree to send all message indicators, including originating telephone number, local routing number and CIC.

60.5.2. If the terminating Party requests, and the transiting Party does not provide, the terminating Party with the originating record in order for the terminating Party to bill the originating Party, the terminating Party shall default bill the transiting Party for transited traffic which does not identify the originating Party to the extent that the transiting Party is capable of providing the record.

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

61. INDIRECT TRAFFIC

61.1. Interconnection

61.1.1. The Parties may send each other Indirect Traffic.

61.1.2. For purposes of exchanging Indirect Traffic there is no physical or direct point of interconnection between the Parties, therefore neither Party is required to construct new facilities or make mid-span meet arrangements available to the other Party for Indirect Traffic.

61.1.3. Indirect interconnection with Embarq shall only be allowed to the extent

TCG is interconnected at the tandem switch which Embarq's end office subtends.

61.1.4. Interconnection to TCG will provide Embarq with access to TCG's end-users and to other companies which are likewise connected to TCG for local and toll service purposes.

61.1.5. Notwithstanding any other provision to the contrary, once the Indirect Traffic volume between TCG and an Embarq end office exceeds a DS1 equivalent of traffic, Embarq will no longer allow indirect interconnection and TCG must establish a direct interconnection with Embarq's end office for the mutual exchange of traffic. Within sixty (60) days of when the indirect traffic exceeds a DS1, TCG shall establish a direct interconnection with Embarq's end office.

61.2. Exchange Of Traffic

61.2.1. Each Party acknowledges that it is the originating Party's responsibility to enter into transiting arrangements with the third party providing the transit services.

61.2.2. Each terminating Party is responsible for billing the originating company for traffic terminated on its respective network. For this Indirect Traffic, the originating Party will provide the originating billing information to the terminating Party, if technically feasible. If the originating Party cannot provide the originating billing information to the terminating Party, then the terminating Party must obtain the originating billing information from the third-party transit company. Any direct costs incurred by the terminating Party to obtain the records from a third party will be billed back to the originating Party.

61.2.3. It is each Party's responsibility to enter into appropriate contractual arrangements with the third-party transit company in order to obtain the originating billing information from the transit company.

61.2.4. Until Indirect traffic exceeds a DS1, each Party is responsible for the payment of transit charges assessed by the transiting party.

61.3. Compensation for Indirect Traffic

61.3.1. Non-Local and Non-ISP-Bound Indirect Traffic

61.3.1.1. Compensation for the termination of non-Local traffic, non-ISP-Bound Traffic and the origination of 800 traffic between the interconnecting Parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations.

61.3.1.2. Toll traffic, switched access, and special access traffic, if separately chargeable, shall be charged the appropriate rate out of

the terminating LEC's tariff or via other appropriate meet point access arrangements. Where exact transport mileage is not available, an average, arrived at by mutual agreement of the Parties, will be used.

61.3.2. Local Traffic and ISP-Bound Traffic. The rates set forth on Table One shall apply, in accordance with Part F.

62. RESPONSIBILITIES OF THE PARTIES

62.1. Embarq and TCG 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.

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

62.3. TCG and Embarq shall:

62.3.1. Provide trained personnel with adequate and compatible test equipment to work with each other's technicians.

62.3.2. Notify each other when there is any change affecting the service requested, including the due date.

62.3.3. 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.

62.3.4. 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.

62.3.5. Advise each other's Control Office if there is an equipment failure which may affect the interconnection trunks.

62.3.6. 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.

62.3.7. Provide to each other test-line numbers and access to test lines.

62.3.8. 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

63. INTRODUCTION

- 63.1. Upon implementation of LNP, both Parties agree to conform and 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 shall include the following:
- 63.1.1. 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.
 - 63.1.2. The LNP network architecture shall not subject Parties to any degradation of service in any relevant measure, including transmission quality, switching and transport costs, increased call set-up time and post-dial delay.
 - 63.1.3. Parties agree that when an NXX is defined as portable, it shall also be defined as portable in all LNP capable switches serving the rate center.
 - 63.1.4. When an end user ports to another service provider and has previously secured a reservation of line numbers from the donor provider under contract or tariff for possible activation at some future point, these reserved but inactive numbers shall port along with the active numbers being ported by the end user.
 - 63.1.5. NXX Availability. Not all NXXs in each CO may be available for porting.
 - 63.1.6. LERG Reassignment. Portability for an entire NXX shall be provided by utilizing reassignment of the NXX to TCG through the LERG.
 - 63.1.7. Coordination of service order work outside normal business hours (8:00AM to 5:00PM) shall be at requesting Party's expense. Premium rates will apply for service order work performed outside normal business hours, weekends, and holidays.
 - 63.1.8. 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.

64. TESTING

- 64.1. An Interconnection Agreement (or Memorandum of Understanding, or Porting Agreement) detailing conditions for LNP must be in effect between the Parties prior to

testing.

- 64.2. Testing and operational issues will be addressed in the implementation plans as described in Part B, Section 32 of the agreement.
- 64.3. TCG 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 TCG's expense.
- 64.4. 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.
- 64.5. Parties shall cooperate in testing performed to ensure interconnectivity between systems. All LNP providers shall notify each connected provider of any system updates that may affect the TCG or Embarq network. Each LNP provider shall, at each other's request, jointly perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement or in the Implementation Plan.

65. ENGINEERING AND MAINTENANCE

- 65.1. 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.
- 65.2. 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.
- 65.3. Additional engineering and maintenance requirements shall apply as specified in this Agreement or the Implementation Plan.

66. E911/911

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

67. BILLING FOR PORTED NUMBERS

- 67.1. 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 parties agree that the party to whom the number has been ported shall be entitled to revenue from the IXC for those access elements it actually provides including, but not limited to end office switching, local transport, RIC, and CCL. The party from whom the number has been ported shall be entitled to receive revenue from the IXC for those access elements it actually provides including, but not limited to any entrance facility fees, access tandem fees and appropriate local transport charges.

- 67.2. 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 - LINE SHARING

68. LINE SHARING

68.1. General Terms

68.1.1. Under this Agreement, Embarq will not provide access to the HFPL for line sharing by TCG except pursuant to the following terms and conditions.

68.1.2. For HFPLs that are in service prior to October 2, 2003, Embarq will continue to bill HFPL at the rate that was effective for that arrangement on October 2, 2003 as long as that HFPL remains in service to the particular TCG end-user premises.

68.1.3. For HFPL ordered October 2, 2003 to October 1, 2004 and remaining in service to the particular TCG end-user premises during the period October 2, 2004 and October 1, 2005, the rate billed for HFPL will be 50% of the xDSL capable UNE Loop rate found in Table 1.

68.1.4. For HFPL ordered October 2, 2003 to October 1, 2004 and remaining in service to the particular TCG end-user premises during the period October 2, 2005 and October 1, 2006, the rate billed for HFPL will be 75% of the xDSL capable UNE Loop rate found in Table 1.

68.1.5. After October 1, 2006, TCG must order a stand-alone loop or negotiate a line splitting arrangement with another Telecommunications Carrier.

68.2. Embarq Line Sharing provided HFPL to TCG only those instances when Embarq is the provider of analog circuit-switched voice band service on that same copper loop to the same End User.

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

68.4. Embarq will use reasonable efforts to accommodate the continued use by TCG as a stand-alone UNE digital loop of the copper loop facilities over which TCG is provisioning advanced services at the time that the Embarq-provided retail voice service terminates; if:

68.4.1. adequate facilities are available to allow the provisioning of voice service over such other facilities, and

- 68.4.2. TCG agrees to pay any additional ordering charges associated with the conversion from the provisioning of HFPL to a stand alone unbundled digital loop as specified in Table One (excluding conditioning charges).
- 68.5. Any additional maintenance of service conducted at TCG's request by Embarq on behalf of TCG solely for the benefit of the TCG's services will be paid for by TCG at prices negotiated by Embarq and TCG.
- 68.6. Deployment and Interference
- 68.6.1. In providing services utilizing the HFPL, Embarq shall allow TCG to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.
- 68.6.2. For any technology, TCG represents that its use of any Embarq network element, or of its own equipment or facilities in conjunction with any Embarq network element, will not materially interfere with or impair service over any facilities of Embarq, its affiliated companies or connecting and concurring carriers, cause damage to Embarq's plant, impair the privacy of any communications carried over Embarq's facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, Embarq may discontinue service if TCG violates this provision. The termination of service will be limited to TCG's use of the element(s) causing the violation. Embarq will not disconnect the elements causing the violation if, after receipt of written notice and opportunity to cure, TCG demonstrates that their use of the network element is not the cause of the network harm.

PART I – CALL RELATED DATABASES

69. CALL-RELATED DATABASES

69.1. 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.

69.1.1. 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 TCG and TCG'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. TCG will not capture, cache, or store any information contained in a CNAM response.

69.1.2. 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 TCG's switch. Use of Embarq's Toll Free Database by TCG 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.

69.1.3. Local Number Portability Local Routing Query Service. TCAP messages originated by TCG'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 TCG so that it can then terminate the call in progress to the telephone number now residing in the switch designated by the LRN.

69.1.3.1. TCG agrees to obtain, prior to the initiation of any LNP query, a NPAC/SMS User Agreement with Neustar. TCG 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 shall not be liable for any direct or consequential damages due to termination because of lack of a NPAC/SMS User Agreement.

69.1.3.2. 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 TCG 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 shall have no liability to TCG or the NPAC for any of these fees or charges applicable to TCG, even though it may pay such charges for other Embarq companies.

PART J - GENERAL BUSINESS REQUIREMENTS

70. PROCEDURES

70.1. Contact with End Users

70.1.1. Each Party at all times shall 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.

70.1.2. Each Party shall 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.

70.1.3. Embarq shall not use TCG's request for end user information, order submission, or any other aspect of TCG's processes or services to aid Embarq's marketing or sales efforts.

70.2. Expedite and Escalation Procedures

70.2.1. Embarq and TCG shall 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 TCG 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 TCG's request. Each party shall notify the other party of any changes to its escalation contact list as soon as practicable before such changes are effective.

70.2.2. No later than thirty (30) Days after TCG's request Embarq shall provide TCG 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.

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

70.4. Service Offerings

- 70.4.1. Embarq shall provide TCG with access to new services, features and functions concurrent with Embarq's notice to TCG 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 TCG may conduct market testing.
- 70.4.2. Essential Services. For purposes of service restoral, Embarq shall designate an TCG 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.
- 70.4.3. Blocking Services. Upon request from TCG, employing Embarq-approved LSR documentation, Embarq shall 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 shall 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 shall be provided to the extent (a) it is an available option for the Telecommunications Service resold by TCG, or (b) it is technically feasible when requested by TCG as a function of unbundled Network Elements.
- 70.4.4. Training Support. Embarq shall provide training, on a non-discriminatory basis, for all Embarq employees who may communicate, either by telephone or face-to-face, with TCG end users. Such training shall include compliance with the branding requirements of this Agreement including without limitation provisions of forms, and unbranded "Not at Home" notices.

71. ORDERING AND PROVISIONING

- 71.1. Ordering and Provisioning Parity. Embarq shall provide necessary ordering and provisioning business process support as well as those technical and systems interfaces as may be required to enable TCG to provide the same level and quality of service for all resale services, functions, features, capabilities and unbundled Network Elements at Parity.
- 71.2. National Exchange Access Center (NEAC)
 - 71.2.1. Embarq shall provide a NEAC or equivalent which shall serve as TCG's point of contact for all activities involved in the ordering and provisioning of Embarq's unbundled Network Elements, features, functions, and resale services.
 - 71.2.2. The NEAC shall provide to TCG 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.

71.2.3. Embarq shall provide, as requested by TCG, 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.

71.3. Street Index Guide (SIG). Within thirty (30) Days of TCG's written request, Embarq shall provide to TCG the SIG data in the National Emergency Number Association Two (NENA2) format. A CDROM containing the SIG data will be shipped to TCG's designated contact on a monthly basis until the request is cancelled.

71.4. CLASS and Custom Features. Where generally available in Embarq's serving area, TCG, 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.

71.5. Number Administration/Number Reservation

- 71.5.1. Embarq shall provide testing and loading of TCG's NXX on the same basis as Embarq provides itself or its affiliates. Further, Embarq shall provide TCG with access to abbreviated dialing codes, and the ability to obtain telephone numbers, including vanity numbers, while a subscriber is on the phone with TCG. When TCG uses numbers from an Embarq NXX, Embarq shall provide the same range of number choices to TCG, including choice of exchange number, as Embarq provides its own subscribers. Reservation and aging of Embarq NXX's shall remain Embarq's responsibility.
- 71.5.2. In conjunction with an order for service, Embarq shall accept TCG 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 TCG.
- 71.5.3. For simple services number reservations and aging of Embarq's numbers, Embarq shall provide real-time confirmation of the number reservation when the Electronic Interface has been implemented. For number reservations associated with complex services, Embarq shall provide confirmation of the number reservation within twenty-four (24) hours of TCG'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.

71.6. Service Order Process Requirements

71.6.1. Service Migrations and New Subscriber Additions

- 71.6.1.1. For resale services, other than for an TCG order to convert "as is" an TCG subscriber, Embarq shall not disconnect any subscriber service or existing features at any time during the migration of that subscriber to TCG service without prior TCG agreement.
- 71.6.1.2. For services provided through UNEs, Embarq shall recognize TCG 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 TCG will work cooperatively to minimize service interruptions during the conversion.
- 71.6.1.3. Unless otherwise directed by TCG and when technically capable, when TCG orders resale Telecommunications Services all trunk or telephone numbers currently associated with existing services shall 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.

71.6.1.4. For subscriber conversions requiring coordinated cut-over activities, on a per order basis, Embarq, to the extent resources are readily available, and TCG will agree on a scheduled conversion time, which will be a designated time period within a designated date.

71.6.1.5. Any request made by TCG to coordinate conversions after normal working hours, or on Saturdays or Sundays or Embarq holidays shall be performed at TCG's expense.

71.6.1.6. A general Letter of Agency (LOA) initiated by TCG 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 TCG or Embarq. TCG 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 shall be liable to pay and shall pay all nonrecurring and/or other charges associated with reestablishing the subscriber's local service with the original local carrier.

71.6.2. Intercept Treatment and Transfer Service Announcements. Embarq shall provide unbranded intercept treatment and transfer of service announcements to TCG's subscribers. Embarq shall 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.

71.6.3. Due Date

71.6.3.1. Embarq shall supply TCG with due date intervals to be used by TCG personnel to determine service installation dates.

71.6.3.2. Embarq shall use reasonable efforts to complete orders by the TCG requested DDD within agreed upon intervals.

71.6.4. Subscriber Premises Inspections and Installations

71.6.4.1. TCG shall perform or contract for all TCG's needs assessments, including equipment and installation requirements required beyond the Demarcation/NID, located at the subscriber premises.

- 71.6.4.2. Embarq shall provide TCG 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 shall mutually agree on an interim process to provide this functionality during the implementation planning process.

71.6.5. Firm Order Confirmation (FOC)

- 71.6.5.1. Embarq shall provide to TCG, a Firm Order Confirmation (FOC) for each TCG order. The FOC shall contain the appropriate data elements as defined by the OBF standards.
- 71.6.5.2. For a revised FOC, Embarq shall provide standard detail as defined by the OBF standards.
- 71.6.5.3. Embarq shall provide to TCG the date that service is scheduled to be installed.

71.6.6. Order Rejections

- 71.6.6.1. Embarq shall reject and return to TCG any order that Embarq cannot provision, due to technical reasons, missing information, or jeopardy conditions resulting from TCG ordering service at less than the standard order interval. When an order is rejected, Embarq shall, in its reject notification, specifically describe all of the reasons for which the order was rejected. Embarq shall reject any orders on account of the customer Desired Due Date conflicts with published Embarq order provisioning interval requirements.

71.6.7. Service Order Changes

- 71.6.7.1. In no event will Embarq change an TCG initiated service order without a new service order directing said change. If an installation or other TCG ordered work requires a change from the original TCG service order in any manner, TCG shall initiate a revised service order. If requested by TCG, Embarq shall then provide TCG an estimate of additional labor hours and/or materials.
- 71.6.7.2. When a service order is completed, the cost of the work performed will be reported promptly to TCG.
- 71.6.7.3. If an TCG subscriber requests a service change at the time of installation or other work being performed by Embarq on behalf of TCG, Embarq, while at the subscriber premises, shall direct the TCG subscriber to contact TCG, and TCG will initiate a new service order.

- 71.7. Network Testing. Embarq shall perform all its standard pre-service testing prior to the

completion of the service order.

- 71.8. Service Suspensions/Restorations. Upon TCG's request through an Industry Standard, OBF, Suspend/Restore Order, or mutually agreed upon interim procedure, Embarq shall suspend or restore the functionality of any Network Element, feature, function, or resale service to which suspend/restore is applicable. Embarq shall provide restoration priority on a per network element basis in a manner that conforms with any applicable regulatory Rules and Regulations or government requirements.
- 71.9. Order Completion Notification. Upon completion of the requests submitted by TCG, Embarq shall provide to TCG a completion notification in an industry standard, OBF, or in a mutually agreed format. The completion notification shall 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.
- 71.10. Specific Unbundling Requirements. TCG may order and Embarq shall provision unbundled Network Elements. However, it is TCG's responsibility to combine the individual network elements should it desire to do so.

71.11. Systems Interfaces and Information Exchanges

71.11.1. General Requirements

71.11.1.1. Embarq shall provide to TCG 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.

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

71.11.1.3. 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 TCG to retrieve their response(s) from the server.

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

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

71.11.2.1. The preordering Electronic Interface includes the provisioning of CPNI from Embarq to TCG. The Parties agree to 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 agree that they 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.

71.11.2.2. 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.

71.11.2.3. The receiving Party may also request documentation of an LOA if CPNI is requested and a subsequent service order for the