

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996**

Dated as of September 13, 1996

by and between

BELL ATLANTIC-PENNSYLVANIA, INC.

and

EASTERN TELELOGIC CORPORATION

TABLE OF CONTENTS

	<u>Page</u>	
1.0	DEFINITIONS	2
2.0	INTERPRETATION AND CONSTRUCTION	11
3.0	INTERCONNECTION ACTIVATION DATES AND IMPLEMENTATION SCHEDULE	11
4.0	INTERCONNECTION PURSUANT TO SECTION 251(c)(2)	12
4.1	Scope	12
4.2	Physical Architectures	13
4.3	Mid-Span Meets	15
4.4	Interconnection in Additional LATAs	16
4.5	Interconnection Points for Different Types of Traffic	16
5.0	TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE SERVICE TRAFFIC PURSUANT TO SECTION 251(c)(2)	17
5.1	Scope of Traffic	17
5.2	Trunk Group Connections and Ordering	17
5.3	Additional Switching System Hierarchy and Trunking Requirements	17
5.4	Signaling	17
5.5	Grades of Service	17
5.6	Measurement and Billing	18
5.7	Reciprocal Compensation Arrangements -- Section 251(b)(5)	18
6.0	TRANSMISSION AND ROUTING OF EXCHANGE ACCESS TRAFFIC PURSUANT TO 251(c)(2)	20
6.1	Scope of Traffic	20
6.2	Trunk Group Architecture and Traffic Routing	20
6.3	Meet-Point Billing Arrangements	20
6.4	800/888 Traffic	23
7.0	TRANSPORT AND TERMINATION OF OTHER TYPES OF TRAFFIC	24
7.1	Information Services Traffic	24
7.2	LSV/VCI Traffic	25
7.3	Transit Service	26
7.4	911/E911 Arrangements	27
7.5	Ancillary Traffic Generally	29
8.0	NUMBER RESOURCES, RATE CENTERS, AND RATING POINTS	29

9.0	NETWORK MAINTENANCE AND MANAGEMENT; OUTAGES	30
9.3	Interference or Impairment	30
9.4	Repeated or Willful Noncompliance	30
9.5	Outage Repair Standard	31
9.6	Notice of Changes -- Section 251(c)(5)	31
10.0	JOINT NETWORK RECONFIGURATION AND GROOMING PLAN; INSTALLATION, MAINTENANCE, TESTING AND REPAIR	31
10.1	Joint Network Reconfiguration and Grooming Plan	31
10.2	Installation, Maintenance, Testing and Repair	32
10.3	Forecasting Requirements for Trunk Provisioning	32
11.0	UNBUNDLED ACCESS -- SECTION 251(c)(3)	32
11.1	Unbundled Local Loop (ULL) Transmission Types	33
11.2	Port Types	34
11.3	Trunk Side Local Transport	34
11.4	Operations Support Systems	35
11.5	Limitations on Unbundled Access	35
11.6	Availability of Other Network Elements on an Unbundled Basis	36
11.7	Provisioning of Unbundled Local Loops	36
11.8	Maintenance of Unbundled Local Loops	38
11.9	Rates and Charges	38
12.0	RESALE -- SECTIONS 251(c)(4) and 251(b)(1)	38
12.1	Availability of Retail Rates for Resale	38
12.2	Availability of Wholesale Rates for Resale	38
13.0	COLLOCATION -- SECTION 251(c)(6)	39
14.0	NUMBER PORTABILITY -- SECTION 251(b)(2)	40
14.1	Scope	40
14.2	Procedures for Providing INP Through Remote Call Forwarding	41
14.3	Procedures for Providing INP Through Direct Inward Dial Trunks (Flex-DID)	42
14.4	Procedures for Providing LTNP Through Full NXX Code Migration	42
14.5	Receipt of Terminating Compensation on Traffic to INP'ed Numbers	42
14.6	Recovery of INP Costs Pursuant to FCC Order and Rulemaking	43
15.0	DIALING PARITY -- SECTION 251(b)(3)	44
16.0	ACCESS TO RIGHTS-OF-WAY -- SECTION 251(b)(4)	44
17.0	DATABASES AND SIGNALING	44
18.0	COORDINATED SERVICE ARRANGEMENTS	45
18.1	Intercept and Referral Announcements	45
18.2	Coordinated Repair Calls	46

18.3	Customer Authorization	46
19.0	DIRECTORY SERVICES ARRANGEMENTS	46
19.1	Directory Listings and Directory Distributions	47
19.2	Yellow Pages Maintenance	48
19.3	Service Information Pages	48
19.4	Directory Assistance (DA); Call Completion	49
20.0	COORDINATION WITH TARIFF TERMS	49
21.0	INSURANCE	50
22.0	TERM AND TERMINATION	51
23.0	DISCLAIMER OF REPRESENTATIONS AND WARRANTIES	51
24.0	CANCELLATION CHARGES	52
25.0	INDEMNIFICATION	52
26.0	LIMITATION OF LIABILITY	53
27.0	PERFORMANCE STANDARDS FOR SPECIFIED ACTIVITIES	53
27.1	Certain Definitions	53
27.2	Performance Standards	54
27.3	Limitations	54
27.4	Service Quality Standards	55
27.5	Records	55
28.0	COMPLIANCE WITH LAWS; REGULATORY APPROVAL	55
29.0	MISCELLANEOUS	56
29.1	Authorization	56
29.2	Independent Contractor	57
29.3	Force Majeure	57
29.4	Confidentiality	57
29.5	Choice of Law	58
29.6	Taxes	58
29.7	Assignment	61
29.8	Billing and Payment; Disputed Amounts	61
29.9	Dispute Resolution	62
29.10	Notices	62
29.11	Section 252(i) Obligations	63
29.12	Joint Work Product	63
29.13	No Third Party Beneficiaries; Disclaimer of Agency	64
29.14	No License	64

29.15	Technology Upgrades	64
29.16	Survival	65
29.17	Entire Agreement	65
29.18	Counterparts	65
29.19	Modification, Amendment, Supplement or Waiver	65
29.20	Successors and Assigns	65
29.21	Publicity	65

LIST OF SCHEDULES AND EXHIBITS

Schedules

Schedule 1.0	Certain Terms As Defined in the Act, As of September 13, 1996
Schedule 3.0	Implementation Schedule
Schedule 4.0	Interconnection Points in LATA
Schedule 4.5	Interconnection Points for Different Types of Traffic
Schedule 6.3	Rate Elements Under Meet Point Billing
Schedule 27.0	Performance Interval Dates for Specified Activities
Schedule 27.1	ETC Service Quality Standards

Exhibits

Exhibit A	Detailed Schedule of Itemized Charges
Exhibit B	Network Element Bona Fide Request
Exhibit C	Directory Assistance and Call Completion Services Agreement
Exhibit D	IntraLATA Telecommunications Services Settlement Agreement

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996**

This Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996, is effective as of the 13th day of September, 1996 (the "Effective Date"), by and between Bell Atlantic-Pennsylvania, Inc. ("BA"), a Pennsylvania corporation with offices at 1717 Arch Street, 32nd Floor, Philadelphia, Pennsylvania 19103, and Eastern TeleLogic Corporation ("ETC"), a Delaware corporation with offices at 630 Freedom Business Center, Suite 200, King of Prussia, Pennsylvania 19406.

WHEREAS, the Parties want to interconnect their networks at mutually agreed upon points of interconnection to provide Telephone Exchange Services, Switched Exchange Access Services, and other Telecommunications Services (all as defined below) to their respective customers;

WHEREAS, the Parties are entering into this Agreement to set forth the respective obligations of the Parties and the terms and conditions under which the Parties will interconnect their networks and provide other services as required by the Act (as defined below) and additional services as set forth herein; and

WHEREAS, Sections 251, 252, and 271 of the Telecommunications Act of 1996 have specific requirements for interconnection, unbundling, and service resale, commonly referred to as the "Checklist", and the Parties intend that this Agreement meet those Checklist requirements.

NOW, THEREFORE, in consideration of the mutual provisions contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ETC and BA hereby agree as follows:

This Agreement sets forth the terms, conditions and pricing under which BA and ETC (individually, a "Party" and collectively, the "Parties") will offer and provide to each other network Interconnection, access to Network Elements, ancillary services, and wholesale Telecommunications Services available for resale within each LATA in which they both operate within Pennsylvania. As such, this Agreement is an integrated package that reflects a balancing of interests critical to the Parties. It will be submitted to the Pennsylvania Public Utility Commission, and the Parties will specifically request that the Commission refrain from taking any action to change, suspend or otherwise delay implementation of the Agreement. So long as the Agreement remains in effect, neither Party shall advocate before any legislative, regulatory, or other public forum that any term of this Agreement be modified or eliminated, unless mutually agreed to by the Parties.

1.0 DEFINITIONS.

As used in this Agreement, the following terms shall have the meanings specified below in this Section 1. For convenience of reference only, the definitions of certain terms that are As Defined in the Act (as defined below) are set forth on Schedule 1.0.

1.1 “Act” means the Communications Act of 1934 (47 U.S.C. 151 et. seq.), as amended by the Telecommunications Act of 1996, and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

1.2 “ADSL” or “Asymmetrical Digital Subscriber Line” means a transmission technology which transmits an asymmetrical digital signal of up to 6 mbps to the Customer and up to 640 kbps from the Customer.

1.3 “Agreement” means this Interconnection Agreement under Sections 251 and 252 of the Act and all Exhibits and Schedules appended hereto.

1.4 “Ancillary Traffic,” means all traffic that is destined for ancillary services, or that may have special billing requirements, including but not limited to the following: LSV/VCI, Directory Assistance, 911/E911, Operator Services (IntraLATA call completion), IntraLATA third party, collect and calling card, 800/888 database query, LIDB, and information services requiring special billing.

1.5 “Applicable Laws” means all laws, regulations, and orders applicable to each Party’s performance of its obligations hereunder.

1.6 “As Defined in the Act” means as specifically defined by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

1.7 “As Described in the Act” means as described in or required by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

1.8 “Automatic Number Identification” or “ANI” means a Feature Group D signaling parameter which refers to the number transmitted through a network identifying the billing number of the calling party.

1.9 “Calling Party Number” or “CPN” is a Common Channel Signaling (“CCS”) parameter which refers to the number transmitted through a network identifying the calling party.

1.10 “Central Office Switch” means a switch used to provide Telecommunications Services, including, but not limited to:

(a) “End Office Switch” or “End Office” which is used to terminate Customer station Loops for the purpose of interconnection to each other and to trunks; and

(b) “Tandem Switch” or “Tandem Office” which is a switching entity that is used to connect and switch trunk circuits between and among End Office Switches and between and among End Office Switches and carriers’ aggregation points, points of termination, or points of presence. An “Access Tandem Office” or “Access Tandem” is a Tandem Office with billing and recording capabilities that is used to provide Switched Exchange Access Services.

A Central Office Switch may also be employed as a combination End Office/Tandem Office Switch.

1.11 [Reserved]

1.12 “CLASS Features” means certain CCS-based features available to Customers including, but not limited to: Automatic Call Back; Call Trace; Caller Identification, and future offerings.

1.13 “Collocation” means an arrangement whereby one Party’s (the “Collocating Party”) facilities are terminated in equipment necessary for Interconnection or for access to Network Elements offered by the second Party on an unbundled basis that has been installed and maintained at the premises of a second Party (the “Housing Party”). For purposes of Collocation, the “premises” of a Housing Party is limited to a Housing Party Wire Center, other mutually agreed-upon locations of the Housing Party, or any other location for which Collocation has been ordered by the FCC or Commission. Collocation may be “physical” or “virtual”. In “Physical Collocation,” the Collocating Party installs and maintains its own equipment in the Housing Party’s premises. In “Virtual Collocation,” the Housing Party owns, installs, and maintains equipment dedicated to use by the Collocating Party in the Housing Party’s premises. BA currently provides Collocation under terms, rates, and conditions as described in tariffs on file or soon to be filed with the FCC and the Commission. Upon request by either Party, BA and ETC will address the provision of additional types of Collocation arrangements, including additional physical locations and alternative utilizations of space and facilities.

1.14 “Commission” means the Pennsylvania Public Utility Commission.

1.15 “Common Channel Signaling” or “CCS” means a method of transmitting call set-up and network control data over a digital signaling network separate from the public switched telephone network facilities that carry the actual voice or data traffic of the call. “SS7” means the common channel out of band signaling protocol developed by the Consultative Committee for International Telephone and Telegraph (“CCITT”) and the American National Standards Institute (“ANSI”). BA and ETC currently utilize this out-of-band signaling protocol. “CCSAC” or “CCSAS” means the common channel signaling access connection or service, respectively, which connects one Party’s signaling point of interconnection (“SPOI”) to the other Party’s STP for the exchange of SS7 messages.

1.16 “Competing Local Exchange Carrier” or “CLEC” means any Local Exchange Carrier other than BA, operating as such in BA’s certificated territory in Pennsylvania. ETC is a CLEC.

1.17 “Cross Connection” means a jumper cable or similar connection provided pursuant to Collocation at the digital signal cross connect, Main Distribution Frame or other suitable frame or panel between (i) the Collocating Party’s equipment and (ii) the equipment or facilities of the Housing Party.

1.18 “Customer” means a third-party residence or business subscriber to Telecommunications Services provided by either of the Parties.

1.19 “Dialing Parity” is As Defined in the Act.

1.20 “Digital Signal Level” means one of several transmission rates in the time-division multiplex hierarchy.

1.21 “Digital Signal Level 0” or “DS0” means the 64 Kbps zero-level signal in the time-division multiplex hierarchy.

1.22 “Digital Signal Level 1” or “DS1” means the 1.544 Mbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS1 is the initial level of multiplexing.

1.23 “Digital Signal Level 3” or “DS3” means the 44.736 Mbps third-level in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS3 is defined as the third level of multiplexing.

1.24 “Exchange Access” is As Defined in the Act.

1.25. “Exchange Message Record” or “EMR” means the standard used for exchange of telecommunications message information among Local Exchange Carriers for billable, non-billable, sample, settlement, and study data. EMR format is contained in BR-010-200-010 CRIS Exchange Message Record, a Bell Communications Research, Inc. (“Bellcore”) document that defines industry standards for Exchange Message Records.

1.26 “FCC” means the Federal Communications Commission.

1.27 “FCC Regulations” means the amendments to Title 47 of the Code of Federal Regulations adopted in, and the additional requirements of, the First Report and Order In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996 and Interconnection between Local Exchange and Commercial Mobile Radio Service Providers, CC Docket Nos. 96-98 and 95-185, adopted on August 1, 1996 and released on August 8, 1996, and the Second Report and Order and Memorandum Opinion and Order, CC Docket Nos. 96-98, 95-185, and 92-237, adopted and released on August 8, 1996, as each may be amended or supplemented from time to time.

1.28 “HDSL” or “High-Bit Rate Digital Subscriber Line” means a transmission technology which transmits up to 784 kbps simultaneously in both directions on a two-wire channel using a 2 Binary / 1 Quaternary (“2B1Q”) line code.

1.29 “Independent Telephone Company” or “ITC” means any entity other than BA which, with respect to its operations within the Commonwealth of Pennsylvania, is an “Incumbent Local Exchange Carrier” As Described in the Act.

1.30 “Information Service Traffic” means Local Traffic or IntraLATA Toll Traffic which originates on a Telephone Exchange Service line and which is addressed to an information service provided over a Party’s information services platform (e.g., 540, 550, 556, 846, 936, and 970).

1.31 “Integrated Digital Loop Carrier” means a subscriber loop carrier system which integrates within the switch at a DS1 level that is twenty-four (24) loop transmission paths combined into a 1.544 Mbps digital signal.

1.32. “Integrated Services Digital Network” or “ISDN” means a switched network service providing end-to-end digital connectivity for the simultaneous transmission of voice and data. Basic Rate Interface-ISDN (“BRI-ISDN”) provides for digital transmission of two 64 kbps bearer channels and one 16 kbps data and signaling channel (2B+D). Primary Rate Interface-ISDN (“PRI-ISDN”) provides for digital transmission of twenty three (23) 64 kbps bearer channels and one 16 kbps data and signaling channel (23 B+D).

1.33 “Interconnection” is as Described in the Act, and means the connection of separate pieces of equipment or transmission facilities within, between, or among networks. The architecture of Interconnection may include, but is not limited to, Collocation Arrangements, entrance facilities, and Mid-Span Meet arrangements.

1.34 “Interexchange Carrier” or “IXC” means a carrier that provides, directly or indirectly, interLATA or intraLATA Telephone Toll Services.

1.35 “Interim Number Portability” or “INP” means the use of existing and available call routing, forwarding, and addressing capabilities (e.g. remote call forwarding) to enable a Customer to receive Telephone Exchange Service provided by any Local Exchange Carrier operating within the exchange area with which the Customer’s telephone number(s) is associated, without having to change the telephone number presently assigned to the Customer and regardless of whether the Customer’s chosen Local Exchange Carrier is the carrier that originally assigned the number to the Customer.

1.36 “InterLATA” is As Defined in the Act.

1.37 “IntraLATA Toll Traffic” means those intraLATA calls that are not defined as Local Traffic in this Agreement.

1.38 “Line Side” means an End Office Switch connection that provides transmission, switching and optional features suitable for Customer connection to the public switched network, including loop start supervision, ground start supervision, and signaling for basic rate ISDN service.

1.39. “Line Status Verification” or “LSV” means an operator request for a status check on the line of a called party. The request is made by one Party’s operator to an operator of the other Party. The verification of the status check is provided to the requesting operator.

1.40 “Local Access and Transport Area” or “LATA” is As Defined in the Act.

1.41 “Local Exchange Carrier” or “LEC” is As Defined in the Act. The Parties to this Agreement are Local Exchange Carriers.

1.42. “Local Serving Wire Center” means a Wire Center that (i) serves the area in which the other Party’s or a third party’s Wire Center, aggregation point, point of termination, or point of presence is located, or any Wire Center in the LATA in which the other Party’s Wire Center, aggregation point, point of termination or point of presence is located in which the other Party has established a Collocation Arrangement or is purchasing an entrance facility, and (ii) has the necessary multiplexing capabilities for providing transport services.

1.43 “Local Telephone Number Portability” or “LTNP” means “number portability” As Defined in the Act.

1.44 “Local Traffic,” means traffic that is originated by a Customer of one Party on that Party’s network and terminates to a Customer of the other Party on that other Party’s network, within a given local calling area, or expanded area service (“EAS”) area, as defined in BA’s effective Customer tariffs, or, if the Commission has defined local calling areas applicable to all LECs, then as so defined by the Commission.

1.45. “Main Distribution Frame” or “MDF” means the primary point at which outside plant facilities terminate within a Wire Center, for interconnection to other telecommunications facilities within the Wire Center.

1.46. “MECAB” means the Multiple Exchange Carrier Access Billing (MECAB) document prepared by the Billing Committee of the Ordering and Billing Forum (“OBF”), which functions under the auspices of the Carrier Liaison Committee (“CLC”) of the Alliance for Telecommunications Industry Solutions (“ATIS”). The MECAB document, published by Bellcore as Special Report SR-BDS-000983, contains the recommended guidelines for the billing of an Exchange Access service provided by two or more LECs, or by one LEC in two or more states, within a single LATA.

1.47 “MECOD” means the Multiple Exchange Carriers Ordering and Design (MECOD) Guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee under the auspices of OBF. The MECOD document, published by Bellcore as Special Report SR-STIS-002643, establishes methods for processing orders for Exchange Access service which is to be provided by two or more LECs.

1.48 “Meet-Point Billing” or “MPB” means an arrangement whereby two or more LECs jointly provide to a third party the transport element of a Switched Exchange Access Service to one of the LECs’ End Office Switches, with each LEC receiving an appropriate share of the transport element revenues as defined by their effective Exchange Access tariffs. “Meet-Point Billing Traffic” means traffic that is subject to an effective Meet-Point Billing arrangement.

1.49. “Mid-Span Meet” means an Interconnection architecture whereby two carriers’ fiber transmission facilities meet at a mutually agreed-upon Interconnection point and, at the delivering carrier’s option, may interface with such carrier’s collocated equipment to gain access to unbundled elements.

1.50 “Multiple Bill/Single Tariff” or “Multiple Bill/Multiple Tariff” means the MPB method whereby each LEC prepares and renders its own meet point bill in accordance with its own Tariff(s) for the portion of the jointly-provided Switched Exchange Access Service which the LEC provides.

1.51 “Network Element” is As Defined in the Act.

1.52 “Network Element Bona Fide Request” means the process described on Exhibit B that prescribes the terms and conditions relating to a Party’s request that the other Party provide a Network Element not otherwise provided by the terms of this Agreement.

1.53 “North American Numbering Plan” or “NANP” means the numbering plan used in the United States that also serves Canada, Bermuda, Puerto Rico and certain Caribbean Islands. The NANP format is a 10-digit number that consists of a 3-digit NPA code (commonly referred to as the area code), followed by a 3-digit NXX code and 4-digit line number.

1.54. “Numbering Plan Area” or “NPA” is also sometimes referred to as an area code. There are two general categories of NPAs, “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” or “SAC Code,” is typically associated with a specialized telecommunications service which may be provided across multiple geographic NPA areas; 800, 900, 700, 500 and 888 are examples of Non-Geographic NPAs.

1.55 “NXX,” “NXX Code,” or “End Office Code” means the three digit switch entity indicator (i.e. the first three digits of a seven digit telephone number).

1.56 “Permanent Number Portability” or “PNP” means the use of a database or other technical solution that comports with regulations issued by the FCC to provide LTNP for all customers and service providers.

1.57 “Port Element” or “Port” means a line card (or equivalent) and associated peripheral equipment on an End Office Switch which serves as the Interconnection between individual loops or individual Customer trunks and the switching components of an End Office Switch and the

associated switching functionality in that End Office Switch. Each Port is typically associated with one (or more) telephone number(s) which serves as the Customer's network address. The Port Element is part of the provision of unbundled local Switching Element.

1.58 "Rate Center Area" or "Exchange Area" means the specific geographic point and corresponding geographic area which has been identified by a given LEC as being associated with a particular NPA-NXX code assigned to the LEC for its provision of Telephone Exchange Services. The Rate Center Area is the exclusive geographic area which the LEC has identified as the area within which it will provide Telephone Exchange Services bearing the particular NPA-NXX designation associated with the specific Rate Center Area. A "Rate Center Point" is a specific geographic point, defined by a V&H coordinate, located within the Rate Center Area and used to measure distance for the purpose of billing Customers for distance-sensitive Telephone Exchange Services and Toll Traffic.

1.59 "Rate Demarcation Point" means the point of minimum penetration at the Customer's premises or other point, as defined in a Party's Tariffs, where network access recurring charges and LEC responsibility ends and beyond which Customer responsibility begins.

1.60 "Rating Point" or "Routing Point" means a specific geographic point identified by a specific V&H coordinate. The Rating Point is used to route inbound traffic to specified NPA-NXXs and to calculate mileage measurements for distance-sensitive transport charges of switched access services. Pursuant to Bellcore Practice BR-795-100-100, the Rating Point may be an End Office location, or a "LEC Consortium Point of Interconnection." Pursuant to that same Bellcore Practice, examples of the latter shall be designated by a common language location identifier (CLLI) code with (x)KD in positions 9, 10, 11, where (x) may be any alphanumeric A-Z or 0-9. The Rating Point/Routing Point must be located within the LATA in which the corresponding NPA-NXX is located. However, the Rating Point/Routing Point associated with each NPA-NXX need not be the same as the corresponding Rate Center Point, nor must it be located within the corresponding Rate Center Area, nor must there be a unique and separate Rating Point corresponding to each unique and separate Rate Center.

1.61 "Reciprocal Compensation" is As Described in the Act, and refers to the payment arrangements that recover costs incurred for the transport and termination of Local Traffic originating on one Party's network and terminating on the other Party's network.

1.62 "Service Control Point" or "SCP" means the node in the common channel signaling network to which informational requests for service handling, such as routing, are directed and processed. The SCP is a real time database system that, based on a query from a service switching point and via a Signaling Transfer Point, performs subscriber or application-specific service logic, and then sends instructions back to the SSP on how to continue call processing.

1.63 "Signaling Transfer Point" or "STP" means a specialized switch that provides SS7 network access and performs SS7 message routing and screening.

1.64 "Switched Access Detail Usage Data" means a category 1101XX record as defined in the EMR Bellcore Practice BR-010-200-010.

1.65 “Switched Access Summary Usage Data” means a category 1150XX record as defined in the EMR Bellcore Practice BR-010-200-010.

1.66 “Switched Exchange Access Service” means the offering of transmission and switching services for the purpose of the origination or termination of Toll Traffic. Switched Exchange Access Services include but may not be limited to: Feature Group A, Feature Group B, Feature Group D, 700 access, 800 access, 888 access, and 900 access.

1.67 “Switching Element” is the unbundled Network Element that provides a CLEC the ability to use switching functionality in a BA End Office switch, including all vertical services that are available on that switch, to provide Telephone Exchange Service to its end user customer(s). The Switching Element will be provisioned with a Port Element, which provides line side access to the Switching Element.

1.68 “Tariff” means any applicable federal or state tariff of a Party, or standard agreement or other document that sets forth the generally available terms and conditions under which a Party offers a particular service, facility, or arrangement.

1.69 “Technically Feasible Point” is As Described in the Act.

1.70 “Telecommunications” is As Defined in the Act.

1.71 “Telecommunications Act” means the Telecommunications Act of 1996 and any rules and regulations promulgated thereunder.

1.72 “Telecommunications Carrier” is As Defined in the Act.

1.73 “Telecommunications Service” is As Defined in the Act.

1.74 “Telephone Exchange Service,” sometimes also referred to as “Exchange Service,” is As Defined in the Act. Telephone Exchange Service generally provides the Customer with a telephonic connection to, and a unique telephone number address on, the public switched telecommunications network, and enables such Customer to place or receive calls to all other stations on the public switched telecommunications network.

1.75 “TELRIC” means Total Element Long Run Incremental Cost, a costing methodology defined in, and applied in accordance with the requirements of, the FCC Regulations.

1.76 “Toll Traffic” means traffic that is originated by a Customer of one Party on that Party’s network and terminates to a Customer of the other Party on that Party’s network and is not Local Traffic or Ancillary Traffic. Toll Traffic may be either “IntraLATA Toll Traffic” or “InterLATA Toll Traffic,” depending on whether the originating and terminating points are within the same LATA.

1.77 “Transit Traffic” means any traffic that originates from or terminates at ETC’s network, “transits” BA’s network substantially unchanged, and terminates to or originates from a third carrier’s network, as the case may be. “Transit Traffic Service” provides ETC with the ability to use its connection to a BA Access Tandem Switch for the delivery of calls which originate or terminate with ETC and terminate to or originate from a carrier other than BA, such as another CLEC, a LEC other than BA, or a wireless carrier. In these cases, neither the originating nor terminating Customer is a Customer of BA. This service is provided through BA’s Access Tandem Switches. “Transit Traffic” and “Transit Traffic Service” do not include or apply to traffic that is subject to an effective Meet-Point Billing arrangement.

1.78 “Trunk Side” means a Central Office Switch connection that is capable of, and has been programmed to treat the circuit as, connecting to another switching entity (e.g. another carrier’s network). Trunk Side connections offer those transmission and signaling features appropriate for the connection of switching entities.

1.79 “Unbundled Local Loop Element” or “ULL” means a transmission path that extends from a Main Distribution Frame, DSX-panel, or functionally comparable piece of equipment in the Customer’s serving End Office to the Rate Demarcation Point (or network interface device (NID) if installed) in or at a Customer’s premises. The actual loop transmission facilities used to provide an ULL may utilize any of several technologies.

1.80 “Verification with Call Interruption” or “VCI” means a service that may be requested and provided when Line Status Verification has determined that a line is busy due to an ongoing call. VCI is an operator interruption of that ongoing call to inform the called party that a calling party is seeking to complete his or her call to the called party.

1.81 “Voice Grade” means either an analog signal of 300 to 3000 Hz or a digital signal of 56/64 kilobits per second. When referring to digital voice grade service (a 56/64 kbps channel), the terms “DS-0” or “sub-DS-1” may also be used.

1.82 “Wire Center” means a building or portion thereof in which a Party has the exclusive right of occupancy and which serves as a Routing Point for Switched Exchange Access Service.

2.0 INTERPRETATION AND CONSTRUCTION.

2.1 All references to Sections, Exhibits and Schedules shall be deemed to be references to Sections of, and Exhibits and Schedules to, this Agreement unless the context shall otherwise require. The headings used in this Agreement are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning of this Agreement. Unless the context shall otherwise require, any reference to any agreement, other instrument (including BA or other third party offerings, guides or practices), statute, regulation, rule or tariff is to such agreement, instrument, statute, regulation, or rule or tariff as amended and supplemented from time to time (and, in the case of a statute, regulation, rule or tariff, to any successor provision).

2.2 Subject to the terms set forth in Section 20, each Party hereby incorporates by reference those provisions of its tariffs that govern the provision of any of the services or facilities provided hereunder. If any provision of this Agreement and an applicable tariff cannot be reasonably construed or interpreted to avoid conflict, the Parties agree to negotiate in good faith to reconcile and resolve such conflict. If any provision contained in this main body of the Agreement and any Schedule or Exhibit hereto cannot be reasonably construed or interpreted to avoid conflict, the provision contained in this main body of the Agreement shall prevail. The fact that a condition, right, obligation, or other term appears in this Agreement but not in any such tariff shall not be interpreted as, or be deemed grounds for finding, a conflict for purposes of this Section 2.

3.0 INTERCONNECTION ACTIVATION DATES AND IMPLEMENTATION SCHEDULE.

3.1 Subject to the terms and conditions of this Agreement, each Party shall exercise its best efforts to adhere to the Interconnection Activation Dates and Network Implementation Schedule set forth in Schedule 3.0, and to provide fully operational service predominantly over its own Telephone Exchange Service facilities to business and residential Customers as soon as reasonably practicable following the achievement of the milestones in said Schedule for each listed LATA in Pennsylvania. For purposes of this Agreement, ETC's service in Pennsylvania shall be considered provided "predominantly over its own Telephone Exchange Service facilities" if ETC uses its own Central Office Switch(es) (as opposed to resale of another carrier's Telephone Exchange Service or unbundled local Switching Elements) to serve the majority of its Telephone Exchange Service Customers' lines, its own interoffice transport facilities for the majority of its interoffice transport needs, and a combination of its own local loops (or functional equivalent) and ULLs purchased from another entity to serve its Telephone Exchange Service Customers.

3.2 Schedule 3.0 may be revised and supplemented from time to time upon the mutual agreement of the Parties to reflect the intention of the Parties to interconnect in additional LATAs pursuant to subsection 4.4 by attaching one or more supplementary schedules to Schedule 3.0. The Parties stipulate and agree that the performance of the terms of this Agreement will satisfy BA's obligation to provide Interconnection under Section 251 of the Act, and the requirements of the Competitive Checklist, under Section 271 of the Act. ETC represents that it is, or intends to become, a provider of Telephone Exchange Service to residential and business subscribers offered exclusively over its own Telephone Exchange Service facilities or predominantly over its own Telephone Exchange Service facilities in combination with the use of unbundled Network Elements purchased from another entity and the resale of the Telecommunications Services of other carriers.

4.0 INTERCONNECTION PURSUANT TO SECTION 251(c)(2)

The types of Traffic to be exchanged under this Agreement shall be Local Traffic, IntraLATA Toll (and InterLATA Toll, as applicable) Traffic, Transit Traffic, Meet Point Billing Traffic, and Ancillary Traffic. Subject to the terms and conditions of this Agreement, Interconnection of the Parties facilities and equipment for the transmission and routing of Local

Traffic and Toll Traffic pursuant to this Section 4 shall be established on or before the corresponding “Interconnection Activation Date” shown for each such LATA within Pennsylvania on Schedule 3.0. Both Schedule 3.0 and Schedule 4.0 may be revised and supplemented from time to time upon the mutual agreement of the Parties to reflect additional or changed Interconnection Points in Pennsylvania pursuant to subsection 4.4 by attaching one or more supplementary addenda to such Schedule.

4.1 Scope

4.1.1 Section 4 describes the architecture for Interconnection of the Parties’ facilities and equipment over which the Parties shall configure the following separate and distinct trunk groups:

Traffic Exchange Trunks for the transmission and routing of terminating Local Traffic, Transit Traffic, translated LEC IntraLATA 800/888 traffic, IntraLATA Toll Traffic, and, where agreed to between the Parties and as set forth in subsection 4.2.8 below, InterLATA Toll Traffic between their respective Telephone Exchange Service customers pursuant to Section 251 (c)(2) of the Act, in accordance with Section 5 below;

Access Toll Connecting Trunks for the transmission and routing of Exchange Access traffic, including translated InterLATA 800/888 traffic, between ETC Telephone Exchange Service customers and purchasers of BA’s Switched Exchange Access Service via a BA Access Tandem, pursuant to Section 251(c)(2) of the Act, in accordance with Section 6 below;

Information Services Trunks for the transmission and routing of terminating Information Services Traffic in accordance with Section 7 below;

LSV/VCI Trunks for the transmission and routing of terminating LSV/VCI traffic, in accordance with Section 7 below;

911/E911 Trunks for the transmission and routing of terminating E911/911 traffic, in accordance with Section 7 below;

Directory Assistance Trunks for the transmission and routing of terminating directory assistance traffic, in accordance with subsection 19.4 below; and

Operator services (IntraLATA call completion) Trunks for the transmission and routing of terminating IntraLATA call completion traffic, in accordance with subsection 19.4 below.

Choke Trunks for traffic congestion and testing.

4.1.2 To the extent required by Section 251 of the Act, the Parties represent that the arrangements provided in subsection 4.2 of this Agreement provide for Interconnection to

each other's networks at any technically feasible point. For the purposes of this Agreement, the Parties agree that Interconnection for the transport and termination of traffic may take place, in the case of BA, at a terminating End Office, an Access Tandem, a Local Serving Wire Center and/or other points as specified herein, and, in the case of ETC, at a Central Office and/or other points as specified herein (collectively, the "Interconnection Points" or "IPs"). The Parties may, from time to time, agree to designate and employ additional technically feasible Interconnection Points.

4.1.3 The Parties shall establish physical interconnection points at the available IPs at the locations designated in Schedule 4.0. The mutually agreed-upon IPs on the ETC network at which ETC will provide transport and termination of traffic shall be designated as the ETC Interconnection Points ("ETC-IPs"); the mutually agreed-upon IPs on the BA network shall be designated as the BA Interconnection Points ("BA-IPs"), provided that, for the purpose of charging for the transport of traffic from a BA-IP to an ETC-IP in any given LATA, the ETC-IP shall be no further than an entrance facility away from the BA-IP in such LATA. The Parties may by mutual agreement establish additional interconnection points at any technically feasible points consistent with the Act.

4.2 Physical Architectures

4.2.1 In each LATA identified in Schedule 4.0, the Parties shall utilize the ETC-IP(s) and BA-IP(s) designated in such Schedule as the points from which each Party will provide the transport and termination of traffic.

4.2.2 ETC shall have the sole right and discretion to specify any of the following methods for interconnection at any of the BA-IPs:

- (a) a Physical or Virtual Collocation facility ETC establishes at the BA-IP;
- (b) a Physical or Virtual Collocation facility established at the BA-IP by a third party with whom ETC has contracted for such purposes; and/or
- (c) an entrance facility and transport (where applicable) leased from BA (and any necessary multiplexing), where such facility extends to the BA-IP from a mutually agreed to point on ETC's network.

4.2.3 ETC shall provide its own facilities or purchase necessary transport for the delivery of traffic to any Collocation arrangement it establishes at a BA-IP pursuant to Section 13. BA shall provide the transport and termination of the traffic beyond the BA-IP.

4.2.4 ETC may order from BA any of the Interconnection methods specified above in accordance with the order intervals and other terms and conditions, including, without limitation, rates and charges, set forth in this Agreement, in any applicable Tariff(s), or as may be subsequently agreed to between the Parties.

4.2.5 BA shall have the sole right and discretion to specify any one of the following methods for Interconnection at any of the ETC-IPs:

- (a) a Physical Collocation facility BA establishes at the ETC-IP;
- (b) a Physical or Virtual Collocation facility established at the ETC-IP by a third party with whom BA has contracted for such purposes; and/or
- (c) an entrance facility leased from ETC (and any necessary multiplexing), where such facility extends to the ETC-IP from a mutually agreed upon point on BA's network.

4.2.6 BA shall provide its own facilities for the delivery of traffic to any Collocation arrangement it establishes at an ETC-IP pursuant to Section 13. ETC shall provide the transport and termination of the traffic beyond the ETC-IP.

4.2.7 BA may order from ETC any of the Interconnection methods specified above in accordance with the order intervals and other terms and conditions, including, without limitation, rates and charges, set forth in this Agreement, in any applicable Tariff(s), or as may be subsequently agreed to between the Parties.

4.2.8 Under any of the architectures described in this subsection 4.2, either Party may utilize the Traffic Exchange Trunks for the termination of InterLATA Toll Traffic in accordance with the terms contained in Section 5 below and pursuant to the other Party's Switched Exchange Access Service tariffs. The other Party's Switched Exchange Access Service rates shall apply to such Traffic.

4.3 Mid-Span Meets.

4.3.1 In addition to the foregoing methods of Interconnection, the Parties agree, upon either Party's written request, to engage in good faith negotiations concerning the feasibility of interconnecting via a Mid-Span Meet arrangement. Such request may be initiated by either Party no earlier than three (3) months after the initial Interconnection under this Agreement of the Parties' networks in the LATA for which the Mid-Span Meet is requested. Negotiations responding to Mid-Span Meet requests shall be conducted pursuant to the following schedule. The Parties may by agreement in any particular instance modify this schedule or implement it through face-to-face information exchanges.

- (a) Good faith discussions shall be initiated by the Parties within thirty (30) days of such written request.
- (b) The requesting Party shall provide all information necessary to design a Mid-Span Meet arrangement to the other Party within fifteen (15) days of the initiation of discussions. In the event any additional information is reasonably necessary, the requesting Party shall provide such information within fifteen (15) days of any request therefor.
- (c) The other Party shall respond to the requesting Party with a preliminary cost and installation interval, a proposal to undertake a joint operational and technical test, or a technical reason that such request is technically infeasible, within thirty (30) days of receiving all necessary information from the requesting party.
- (d) The other Party shall provide to the requesting Party, within thirty (30) days of receipt of definitive authorization from the requesting Party to proceed with the request, a detailed description, cost estimate, and installation interval.

4.3.2 The establishment of any Mid-Span Meet arrangement is expressly conditioned upon the Parties' reaching prior agreement on appropriate sizing and forecasting, equipment, ordering, provisioning, maintenance, repair, testing, augment, and compensation procedures and arrangements, and on any other arrangements necessary to implement the Mid-Span Meet arrangement. Any Mid-Span Meet arrangement requested at a third-party premises is expressly conditioned on the Parties' having sufficient capacity at the requested location to meet such request, on unrestricted 24-hour access for both Parties to the requested location, on other appropriate protections as deemed necessary by either Party, and on an appropriate commitment that such access and other arrangements may not be restricted for a reasonable period.

4.3.3 Mid-Span Meet arrangements shall be used only for the termination of Local Traffic and IntraLATA Toll Traffic unless and until such time as the Parties have agreed to appropriate compensation arrangements relating to the exchange of other types of traffic over such Mid-Span Meet, and only where facilities are available. Any agreement to access unbundled Network Elements via a Mid-Span Meet arrangement shall be conditioned on the resolution of the technical and other issues described in this subsection 4.3, resolution by the

joint operations team of additional issues (such as inventory and testing procedures unique to the provision of unbundled Network Elements via a Mid-Span Meet), and, as necessary, completion of a joint operational and technical test. In addition, access to unbundled Network Elements via a Mid-Span Meet arrangement for access to such Elements, shall be limited to that which is required by the FCC Regulations, and shall be subject to full compensation of all relevant costs (as defined in the FCC Regulations) by the requesting Party to the other Party.

4.4 Interconnection in Additional LATAs

4.4.1 If ETC determines to offer Telephone Exchange Services in any LATA not listed in Schedule 3.0 in which BA also offers Telephone Exchange Services, ETC shall provide written notice to BA of the need to establish Interconnection in such LATA pursuant to this Agreement.

4.4.2 The notice provided in subsection 4.4.1 shall include (i) the initial Routing Point ETC has designated in the new LATA; (ii) ETC's requested Interconnection Activation Date (and related milestone dates in accordance with the format in Schedule 3.0); and (iii) a non-binding forecast of ETC's trunking requirements.

4.4.3 Unless otherwise agreed to by the Parties, the Parties shall designate the Wire Center(s) ETC has identified as its initial Routing Point(s) in the LATA as the ETC-IP(s) in that LATA and shall designate mutually agreed upon BA Local Serving Wire Center(s) that houses an Access Tandem Office within the LATA nearest to the ETC-IP (as measured in airline miles utilizing the V&H coordinates method) as the BA-IP(s) in that LATA, provided that, for the purpose of charging for the transport of traffic from the BA-IP to the ETC-IP, the ETC-IP shall be no further than an entrance facility away from the BA-IP.

4.4.4 The Parties shall agree upon an addendum to Schedule 3.0 to reflect the schedule applicable to each new LATA requested by ETC; provided, however, that unless agreed by the Parties, the Interconnection Activation Date in a new LATA shall not be earlier than forty-five (45) days after receipt by BA of all complete and accurate trunk orders and routing information. Within ten (10) business days of BA's receipt of ETC's notice, BA and ETC shall confirm the BA-IP, the ETC-IP and the Interconnection Activation Date for the new LATA by attaching an addendum to Schedule 3.0.

4.5 Interconnection Points for Different Types of Traffic. Each Party shall make available Interconnection Points and facilities for routing of traffic from those Interconnection Points as designated in Schedule 4.5. Any additional traffic that is not covered in Schedule 4.5 shall be subject to separate negotiations between the Parties, except that (i) either Party may deliver traffic of any type or character to the other Party for termination as long as the delivering Party pays the receiving Party's then current Switched Exchange Access rates for such traffic, and (ii) upon a bona fide request from either Party, the Parties will exercise all reasonable efforts to conclude an agreement covering the exchange of such traffic.

5.0 TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE SERVICE TRAFFIC PURSUANT TO SECTION 251(c)(2)

5.1 Scope of Traffic. Section 5 prescribes parameters for trunk groups (the “Traffic Exchange Trunks”) to be effected over the Interconnections specified in Section 4 for the transmission and routing of Local Traffic, Transit Traffic, translated LEC IntraLATA 800/888 traffic, InterLATA Toll Traffic (to the extent applicable), and IntraLATA Toll Traffic between the Parties’ respective Telephone Exchange Service Customers.

5.2 Trunk Group Connections and Ordering

5.2.1 Traffic Exchange Trunk group connections will be made at a DS-1 level or higher. Higher speed connections shall be made, when and where available, in accordance with the Joint Grooming Plan prescribed in Section 10. Ancillary Traffic trunk groups may be made below a DS-1 level, as may be agreed to by the Parties.

5.2.2 Each Party will identify its Carrier Identification Code, a three or four digit numeric obtained from Bellcore, to the other Party when ordering a trunk group.

5.3 Additional Switching System Hierarchy and Trunking Requirements

5.3.1 For purposes of routing ETC traffic to BA, the subtending arrangements between BA Access Tandem Switches and BA End Office Switches shall be the same as the Access Tandem/End Office subtending arrangements BA maintains for the routing of its own or other carriers’ traffic. For purposes of routing BA traffic to ETC, the subtending arrangements between ETC Access Tandem Switches (or functional equivalent) and ETC End Office Switches (or functional equivalent) shall be the same as the Access Tandem/End Office subtending arrangements (or functional equivalent) which ETC maintains for the routing of its own or other carriers’ traffic.

5.4 Signaling

Each Party will provide the other Party with access to its databases and associated signaling necessary for the routing and completion of the other Party’s traffic in accordance with the provisions contained in Section 17 below.

5.5 Grades of Service

The Parties shall initially engineer and shall jointly monitor and enhance all trunk groups consistent with the Joint Grooming Plan as set forth in Section 10.

5.6 Measurement and Billing

5.6.1 For billing purposes, each Party shall pass Calling Party Number (“CPN”) information on each call carried over the Traffic Exchange Trunks, wherever technically feasible. At such time as either Party has the ability, as the Party receiving the traffic, to use such CPN information to classify on an automated basis traffic delivered by the other Party as either Local Traffic or Toll Traffic, such receiving Party shall bill the originating Party the Local Traffic termination rates, Intrastate Exchange Access rates, or Interstate Exchange Access rates applicable to each minute of Traffic for which CPN is passed, as provided in Exhibit A and applicable Tariffs.

5.6.2 If, under the circumstances set forth in subsection 5.6.1, it is not technically feasible for the originating Party to pass CPN on up to ten percent (10%) of calls, the receiving Party shall bill the originating Party the Local Traffic termination rates, Intrastate Exchange Access rates, Intrastate/Interstate Transit Traffic rates, or Interstate Exchange Access rates applicable to each minute of traffic, as provided in Exhibit A and applicable Tariffs, for which CPN is passed. For the remaining up to ten percent (10%) of calls without CPN information, the receiving Party shall bill the originating Party for such traffic as Local Traffic termination rates, Intrastate Exchange Access rates, Intrastate/Interstate Transit Traffic rates, or Interstate Exchange Access rates applicable to each minute of traffic, as provided in Exhibit A and applicable Tariffs, in direct proportion to the minutes of use of calls passed with CPN information.

5.6.3 If it is not technically feasible for the originating Party to pass CPN on more than ten percent (10%) of calls, or if the receiving Party lacks the ability to use CPN information to classify on an automated basis traffic delivered by the other Party as either Local Traffic or Toll Traffic, and the originating Party chooses to combine Local and Toll Traffic on the same trunk group, it will supply an auditable Percent Local Use (“PLU”) report quarterly, based on the previous three months’ traffic, and applicable to the following three months. If the originating Party also chooses to combine Interstate and Intrastate Toll Traffic on the same trunk group, it will supply an auditable Percent Interstate Use (“PIU”) report quarterly, based on the previous three months’ terminating traffic, and applicable to the following three months. In lieu of the foregoing PLU and/or PIU reports, the Parties may agree to provide and accept reasonable surrogate measures for an agreed-upon interim period.

5.6.4 Measurement of billing minutes for purposes of determining terminating compensation shall be in conversation seconds.

5.7 Reciprocal Compensation Arrangements -- Section 251(b)(5).

Reciprocal Compensation arrangements address the transport and termination of Local Traffic. BA’s delivery of Traffic to ETC that originated with a third carrier is addressed in subsection 7.3. Where ETC delivers Traffic (other than Local Traffic) to BA, except as may be set forth herein or subsequently agreed to by the Parties, ETC shall pay BA the same amount that such carrier would have paid BA for termination of that Traffic at the location the Traffic is delivered to BA by ETC. Compensation for the transport and termination of traffic not specifically addressed in

this subsection 5.7 shall be as provided elsewhere in this Agreement, or if not so provided, as required by the Tariffs of the Party transporting and/or terminating the traffic.

5.7.1 Nothing in this Agreement shall be construed to limit either Party's ability to designate the areas within which that Party's Customers may make calls which that Party rates as "local" in its Customer Tariffs.

5.7.2 The Parties shall compensate each other for the transport and termination of Local Traffic in an equal and symmetrical manner at the rates provided in the Detailed Schedule of Itemized Charges (Exhibit A hereto) or, if not set forth therein, in the applicable Tariff(s) of the terminating Party, as the case may be. Until such time as the Commission adopts permanent rates consistent with the requirements of the FCC Regulations, the rates set forth in Exhibit A shall be applied as interim rates as more fully described in Exhibit A and subsection 20.1.2 below. These rates (interim and permanent) are to be applied at the ETC-IP for traffic delivered by BA, and at the BA-IP for traffic delivered by ETC. No additional charges, including port or transport charges, shall apply for the termination of Local Traffic delivered to the BA-IP or the ETC-IP, except as set forth in Exhibit A. When Local Traffic is terminated over the same trunks as Toll Traffic, any port or transport or other applicable access charges related to the Toll Traffic shall be prorated to be applied only to the Toll Traffic.

5.7.3 The Reciprocal Compensation arrangements set forth in this Agreement are not applicable to Switched Exchange Access Service. All Switched Exchange Access Service and all Toll Traffic shall continue to be governed by the terms and conditions of the applicable federal and state Tariffs.

5.7.4 Compensation for transport and termination of all Traffic which has been subject to performance of INP by one Party for the other Party pursuant to Section 14 shall be as specified in subsection 14.5.

5.7.5 The designation of Traffic as Local or Toll for purposes of compensation shall be based on the actual originating and terminating points of the complete end-to-end call, regardless of the carrier(s) involved in carrying any segment of the call.

5.7.6 Each Party reserves the right to measure and audit all Traffic to ensure that proper rates are being applied appropriately. Each Party agrees to provide the necessary Traffic data or permit the other Party's recording equipment to be installed for sampling purposes in conjunction with any such audit.

5.7.7 The Parties will engage in settlements of intraLATA intrastate alternate-billed calls (e.g. collect, calling card, and third-party billed calls) originated or authorized by their respective Customers in Pennsylvania in accordance with the terms of an appropriate IntraLATA Telecommunications Services Settlement Agreement between the Parties substantially in the form appended hereto as Exhibit D.

6.0 TRANSMISSION AND ROUTING OF EXCHANGE ACCESS TRAFFIC PURSUANT TO 251(c)(2).

6.1 Scope of Traffic

Section 6 prescribes parameters for certain trunks to be established over the Interconnections specified in Section 4 for the transmission and routing of traffic between ETC Telephone Exchange Service Customers and Interexchange Carriers (“Access Toll Connecting Trunks”). This includes casually-dialed (10XXX and 101XXXX) traffic.

6.2 Trunk Group Architecture and Traffic Routing

6.2.1 ETC shall establish Access Toll Connecting Trunks by which it will provide tandem-transported Switched Exchange Access Services to Interexchange Carriers to enable such Interexchange Carriers to originate and terminate traffic to and from ETC’s Customers.

6.2.2 Access Toll Connecting Trunks shall be used solely for the transmission and routing of Exchange Access to allow ETC’s Customers to connect to or be connected to the interexchange trunks of any Interexchange Carrier which is connected to a BA Access Tandem.

6.2.3 The Access Toll Connecting Trunks shall be two-way trunks connecting an End Office Switch ETC utilizes to provide Telephone Exchange Service and Switched Exchange Access in a given LATA to an Access Tandem BA utilizes to provide Exchange Access in such LATA.

6.2.4 The Parties shall jointly determine which BA Access Tandem(s) will be subtended by each ETC End Office Switch. ETC’s End Office switch shall subtend the BA Access Tandem that would have served the same rate center on BA’s network. Alternative configurations will be discussed as part of the Joint Plan.

6.3 Meet-Point Billing Arrangements

6.3.1 ETC and BA will establish Meet-Point Billing arrangements in order to provide a common transport option to Switched Access Services Customers via an Access Tandem Switch in accordance with the Meet-Point Billing guidelines contained in the OBF’s MECAB and MECOD documents, except as modified herein, and BA’s Pennsylvania Tariff Number 302, Section 2.4.7. The arrangements described in this Section 6 are intended to be used to provide Switched Exchange Access Service that originates and/or terminates on a Telephone Exchange Service that is provided by either Party, where the transport component of the Switched Exchange Access Service is routed through a Tandem Switch that is provided by BA.

6.3.2 In each LATA, the Parties shall establish MPB arrangements between the applicable Rating Point/BA Local Serving Wire Center combinations.

6.3.3 Interconnection for the MPB arrangement shall occur at the BA-IP in the LATA, unless otherwise agreed to by the Parties.

6.3.4. ETC and BA will use reasonable efforts, individually and collectively, to maintain provisions in their respective state access tariffs, and/or provisions within the National Exchange Carrier Association (“NECA”) tariff No. 4, or any successor Tariff sufficient to reflect the MPB arrangements established pursuant to this Agreement.

6.3.5 Each Party shall implement the “Multiple Bill/Single Tariff” or “Multiple Bill/Multiple Tariff” option, as appropriate, in order to bill an IXC for the portion of the jointly provided telecommunications service provided by that Party.

6.3.6 The rate elements to be billed by each Party are as set forth in Schedule 6.3. The actual rate values for each Party's affected access service rate element shall be the rates contained in that Party's own effective federal and state access tariffs, or other document that contains the terms under which that Party's access services are offered. The MPB billing percentages for each Rating Point/BA Local Serving Wire Center combination shall be calculated in accordance with the formula set forth in subsection 6.3.17 below.

6.3.7 Each Party shall provide the other Party with the billing name, billing address, and Carrier Identification Code (“CIC”) of the IXC, and identification of the IXC's Local Serving Wire Center in order to comply with the MPB notification process as outlined in the MECAB document via facsimile or such other media as the Parties may agree to.

6.3.8 BA shall provide ETC with the Switched Access Detail Usage Data (category 1101XX records) on magnetic tape or via such other media as the Parties may agree to, no later than ten (10) business days after the date the usage occurred.

6.3.9 ETC shall provide BA with the Switched Access Summary Usage Data (category 1150XX records) on magnetic tape or via such other media as the Parties may agree, no later than ten (10) business days after the date of its rendering of the bill to the relevant IXC, which bill shall be rendered no less frequently than monthly.

6.3.10 All usage data to be provided pursuant to subsections 6.3.8 and 6.3.9 above shall be sent to the following addresses:

To ETC: MacroLogic, Inc.
 1544 Elmira Street
 Aurora, CO 80010
 Attention: Jeff Sampson

To BA: Bell Atlantic
 Tape Library
 1500 Tech Center Drive
 Monroeville, PA 15146

Either Party may change its address for receiving usage data by notifying the other Party in writing.

6.3.11 Each Party shall coordinate and exchange the billing account reference (“BAR”) and billing account cross reference (“BACR”) numbers or Operating Company Name (“OCN”), as appropriate, for the MPB Service. Each Party shall notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number, or if the OCN changes.

6.3.12 Errors may be discovered by ETC, the IXC or BA. Each Party agrees to provide the other Party with notification of any errors it discovers within two (2) business days of the date of such discovery. In the event of a loss of data, both Parties shall cooperate to reconstruct the lost data and, if such reconstruction is not possible, shall accept a reasonable estimate of the lost data based upon prior usage data.

6.3.13 Either Party may request a review or audit of the various components of access recording up to a maximum of two (2) audits per calendar year. All costs associated with each review and audit shall be borne by the requesting Party. Such review or audit shall be conducted subject to confidentiality protection and during regular business hours. A Party may conduct additional audits, at its expense, upon the other Party’s consent, which consent shall not be unreasonably withheld.

6.3.14 Nothing contained in this subsection 6.3 shall create any liability for damages, losses, claims, costs, injuries, expenses or other liabilities whatsoever on the part of either Party (other than as may be set forth in MECAB or in any applicable Tariff).

6.3.15 The Parties shall not charge one another for the services rendered or information provided pursuant to this subsection 6.3.

6.3.16 MPB will apply for all traffic bearing the 500, 900, 800/888 (to the extent provided by an IXC) or any other non-geographic NPA which may be likewise designated for such traffic in the future.

6.3.17 In the event ETC determines to offer Telephone Exchange Services in another LATA in which BA operates an Access Tandem Switch, BA shall permit and enable ETC to subtend the BA Access Tandem Switch(es) designated for the BA End Offices in the area where the ETC Rating Point(s) associated with the NPA-NXX(s) to/from which the Switched Exchange Access Services are homed. The MPB billing percentages for each new Rating Point/BA Local Serving Wire Center combination shall be calculated according to the following formula:

$$\begin{aligned} a / (a + b) &= \text{ETC Billing Percentage} \\ &\text{and} \\ b / (a + b) &= \text{BA Billing Percentage} \end{aligned}$$

where:

a = the airline mileage between the Rating Point and the actual point of interconnection for the MPB arrangement; and

b = the airline mileage between the BA Local Serving Wire Center and the actual point of interconnection for the MPB arrangement.

ETC shall inform BA of the LATA in which it intends to offer Telephone Exchange Services and its calculation of the billing percentages which should apply for such arrangement, as part of the notice required by subsection 4.4.1 above. Within ten (10) business days of ETC's delivery of notice to BA, BA and ETC shall confirm the new Rating Point/BA Local Serving Wire Center combination and billing percentages. Nothing in this subsection 6.3.17 shall be construed to limit ETC's ability to select to interconnect with BA in additional LATAs by means of Interconnection at a Local Serving Wire Center, to the extent that such Interconnection is permitted under this Agreement.

6.3.18 Within thirty (30) days of a request by ETC, BA agrees to notify all switched access users with a Carrier Identification Code in a LATA in which the Parties have newly established Interconnection arrangements pursuant to this Agreement that BA and ETC have entered in a Meet Point Billing arrangement.

6.4 800/888 Traffic

The following terms shall apply when either Party delivers 800/888 calls to the other Party for completion.

6.4.1 When ETC delivers translated 800/888 calls to BA for completion

(a) to an IXC, ETC shall:

(i) Provide a MPB record in an industry standard format to BA; and

(ii) Bill the IXC the appropriate ETC query charge associated with the call.

(b) as an IntraLATA call to BA or another LEC in the LATA, ETC shall:

(i) Provide a copy record in an industry standard format to BA or the terminating LEC;

(ii) Submit the call records to ITORP for payment by BA or the LEC that is the 800/888 service provider of ETC's and any intermediate LEC's Tariffed Exchange Access charges and query charges.

6.4.2 When BA delivers translated 800/888 calls originated by BA's or another LEC's Customers to ETC for completion

(a) to ETC in its capacity as an IXC, BA shall:

(i) Bill ETC the appropriate BA query charge associated with the call; and

(ii) Bill ETC the appropriate FGD Exchange Access charges associated with the call.

(b) as an IntraLATA call to ETC in its capacity as a LEC,

(i) the originating LEC shall submit the appropriate call records to ITORP for payment by ETC of BA's (and another LEC's, if appropriate) tariffed Exchange Access charges; and

(ii) ETC shall pay the originating LEC's appropriate query charge associated with the call.

6.4.3 The settlement of all IntraLATA 800/888 calls exchanged pursuant to this subsection 6.4 shall be in accordance with the terms of an appropriate IntraLATA Telecommunications Services Settlement Agreement between the Parties substantially in the form appended hereto as Exhibit D.

7.0 TRANSPORT AND TERMINATION OF OTHER TYPES OF TRAFFIC

7.1 Information Services Traffic

The following provisions shall apply only to ETC-originated Information Services Traffic directed to an information services platform connected to BA's network. At such time as ETC connects Information Services platforms to its network, the Parties shall agree upon a suitable arrangement for BA-originated Information Services Traffic.

7.1.1 ETC shall route Information Services Traffic that originates on its own network to the appropriate information services platform(s) connected to BA's network. ETC will establish a dedicated trunk group to the BA information services serving switch. This trunk group will be utilized to allow ETC to route information service traffic originated on its network to BA.

7.1.2 ETC shall provide an electronic file transfer or monthly magnetic tape containing recorded call detail information to BA.

7.1.3 BA shall provide to ETC via electronic file transfer or magnetic tape or other means as available all necessary information to rate the Information Services Traffic to ETC's Customers pursuant to the BA's agreements with each information services provider. Information shall be provided in as timely a fashion as practical in order to facilitate record review and reflect actual prices set by the individual information services providers.

7.1.4 ETC shall bill and collect such information services provider charges and remit the amounts collected to BA less:

- (a) The Information Services Billing and Collection fee set forth in Exhibit A;
and
- (b) An uncollectibles reserve calculated based on the uncollectibles reserve in BA's billing and collection agreement with the applicable information services provider;
and
- (c) Customer adjustments provided by ETC.

ETC shall provide to BA sufficient information regarding uncollectibles and Customer adjustments to allow BA to pass through the adjustments to the information services provider, and BA shall pass through such adjustments. However, if the information services provider disputes such adjustments and refuses to accept such adjustments, ETC shall reimburse BA for all such disputed adjustments. Final resolution regarding all disputed adjustments shall be solely between ETC and the information services provider.

7.1.5 Nothing in this Agreement shall restrict either Party from offering to its Telephone Exchange Service Customers the ability to block the completion of Information Service Traffic.

7.1.6 The Parties may agree to separate arrangements for the billing and compensation of variable rated (e.g. 970, 540) information services.

7.1.7 The Information Services Traffic addressed herein does not include 555 traffic or similar traffic with AIN service interfaces.

7.2 LSV/VCI Traffic

7.2.1 If in the future Party A decides or is required by a regulatory body of competent jurisdiction to offer LSV and VCI services to enable its Customers to verify and/or interrupt calls of Party B's Customers, Party B shall accept and respond to LSV and VCI requests from the operator bureau of the Party A. Each Party shall compensate the other Party for LSV and VCI inquiries in accordance with the other Party's Tariffed rates, the terms of the Directory Assistance and Call Completion Agreement appended hereto as Exhibit C, or as may be agreed to by the Parties.

7.2.2 The Party B operator shall only verify the status of the line (LSV) or interrupt the line to inform the called party that there is a call waiting. The Party B operator will not complete the telephone call of the Customer initiating the LSV/VCI request. The Party B operator will only make one LSV/VCI attempt per Customer operator bureau telephone call, and the applicable charges apply whether or not the called party releases the line.

7.2.3 Each Party's operator bureau shall accept LSV and VCI inquiries from the operator bureau of the other Party in order to allow transparent provision of LSV/VCI Traffic between the Parties' networks.

7.2.4 Each Party shall route LSV/VCI Traffic inquiries over separate direct trunks (and not the Local/IntraLATA/InterLATA Trunks) established between the Parties' respective operator bureaus. Each Party shall offer interconnection for LSV/VCI traffic at its Local Serving Wire Center, operator services Tandem Office subtended by such Local Serving Wire Center, or other mutually agreed point in the LATA. Separate LSV/VCI trunks delivered at the Local Serving Wire Center will be directed to the operator services Tandem Office designated by Party B. Unless otherwise mutually agreed, the Parties shall configure LSV/VCI trunks over the Interconnection architectures in accordance with the terms of Section 4, consistent with the Joint Grooming Plan. Party A shall outpulse the appropriate NPA, ATC Code, and Routing Code (operator code) to Party B.

7.3 Transit Service

7.3.1 ETC shall exercise all reasonable efforts to enter into a reciprocal local traffic exchange arrangement (either via written agreement or mutual tariffs) with any wireless carrier, ITC, CLEC, or other LEC to which it sends, or from which it receives, local traffic that transits BA facilities over Traffic Exchange Trunks. If ETC fails to enter into such an arrangement as quickly as commercially reasonable following the Effective Date and to provide written notification of such Agreement, including the relevant rates therein, to BA, but continues to utilize BA's Transit Service for the exchange of local traffic with such wireless carrier, ITC, CLEC, or other LEC, ETC shall, in addition to paying the rate set forth in Exhibit A for said Transit Service, pay BA any charges or costs such terminating third party carrier imposes or levies on BA for the delivery or termination of such Traffic, including any switched access charges, plus all reasonable expenses incurred by BA in delivering or terminating such Traffic and/or resulting from ETC's failure to secure said reciprocal local traffic exchange arrangement. BA will, upon request, provide ETC with all reasonable cooperation and assistance in obtaining such arrangements. The Parties agree to work cooperatively in appropriate industry fora to promote the adoption of reasonable industry guidelines relating to Transit Traffic.

7.3.2 Transit Traffic that is originated by an ITC or wireless carrier shall be settled in accordance with the terms of an appropriate IntraLATA Telecommunications Services Settlement Agreement between the Parties substantially in the form appended hereto as Exhibit D. Meet-Point Billing compensation arrangements as described in subsection 6.3 shall be utilized for compensation for the joint handling of Toll Traffic.

7.3.3 BA expects that most networks involved in Transit Traffic will deliver each call to each involved network with CCS and the appropriate Transactional Capabilities Application Part ("TCAP") message to facilitate full interoperability of those services supported by BA and billing functions. In all cases, each Party shall follow the Exchange Message Record ("EMR") standard and exchange records between the Parties and with the terminating carrier to facilitate the billing process to the originating network.

7.3.4 Transit Traffic shall be routed over the Traffic Exchange Trunks described in Section 5 above.

7.4 911/E911 Arrangements

7.4.1 ETC will interconnect to the BA 911/E911 selective routers or 911 Tandem Offices, where available, which serve the areas in which ETC provides Telephone Exchange Services, for the provision of 911/E911 services and for access to all subtending Public Safety Answering Points ("PSAP"). In such situations, BA will provide ETC with the appropriate CLLI codes and specifications of the Tandem Office serving area. In areas where E911 is not available, ETC and BA will negotiate arrangements to connect ETC to the 911 service.

7.4.2 Path and route diverse interconnections for 911/E911 shall be made at the ETC-IP, the BA-IP, or other points as necessary and mutually agreed, and as required by law or regulation.

7.4.3 Within thirty (30) days of its receipt of a request from ETC, BA will provide ETC with the following at no charge:

(a) a file on diskette or other mutually agreed upon medium containing the Master Street Address Guide ("MSAG") for each county within the LATA(s) specified in this Agreement, which MSAG shall be updated no more frequently than monthly and a complete copy of which shall be made available on an annual basis;

(b) a list of the address, CLLI code, and an associated NXX of each 911/E911 selective router or 911 Tandem office(s) in the area in which ETC plans to offer Telephone Exchange Service;

(c) a list of the address, CLLI code, associated NXX, contact name and phone number of each PSAP in each county in the area in which ETC plans to offer Telephone Exchange Service;

(d) a list of BA personnel who currently have responsibility for each county's 911 requirements;

(e) the ten-digit subscriber number for each PSAP or the "main" PSAP that subtends each BA 911/E911 selective router or 911 Tandem to which ETC is interconnected for the transfer of "0-" calls to the PSAP;

(f) any special 911 trunking requirements for each 911/E911 selective router or 911 Tandem;

(g) an electronic interface, when available, through which ETC shall input and provide a daily update of 911/E911 database information related to appropriate ETC Customers. Until such time as an electronic interface is available, ETC shall provide BA with all appropriate 911 information such as name, address, and telephone number in writing for BA's entry into the 911 database system. Any 911-related data exchanged between the Parties shall conform to the National Emergency Number Association standards;

(h) return of any ETC E911 data entry files containing errors, so that ETC may ensure the accuracy of the Customer records; and

(i) a Design Layout Record (“DLR”) of a 911 (CAMA) trunk, if applicable.

7.4.4 In cases where a Customer of one Party elects to discontinue its service and become the Customer of the other Party (“Party B”) but desires to retain its original telephone number pursuant to an INP arrangement, Party B will outpulse the telephone number to which the call has been forwarded (i.e. the Customer’s ANI) to the 911 Tandem Office. Party B will also provide the 911 database with both the forwarded number and the directory number, as well as the appropriate address information of the Customer.

7.4.5 BA and ETC will use their best efforts to facilitate the prompt, robust, reliable and efficient interconnection of ETC systems to the 911/E911 platforms.

7.4.6 BA and ETC will work cooperatively to arrange meetings with PSAPs to answer any technical questions the PSAPs, or county or municipal coordinators may have regarding the 911/E911 arrangements.

7.4.7 The Parties acknowledge that the provision of INP, until PNP with full 911 compatibility is available, creates a special need to have the Automatic Location Identification (“ALI”) screen reflect two number: the “old” number and the “new” number assigned by ETC. The Parties acknowledge further the objective of including the five character Telephone Company Identification (“TCI”) of the company that provides service to the calling line as part of the ALI display. Until such time as TCI is operational, however, BA and ETC agree to supply and use the three-letter Access Carrier Name Abbreviation (“ACNA”) as the carrier identifier.

7.4.8 ETC will compensate BA for connections to its 911/E911 pursuant to Exhibit A.

7.4.9 ETC will comply with all applicable rules and regulations pertaining to the provision of 911/E911 services in Pennsylvania.

7.5 Ancillary Traffic Generally Ancillary Traffic that may be terminated at a BA Local Serving Wire Center pursuant to subsection 4.5 above shall be subject to a separate transport charge for transport from the Local Serving Wire Center to the appropriate Tandem Office, as set forth in Exhibit A.

8.0 NUMBER RESOURCES, RATE CENTERS AND RATING POINTS

8.1 Nothing in this Agreement shall be construed to limit or otherwise adversely affect in any manner either Party’s right to employ or to request and be assigned any Central Office (NXX) Codes pursuant to the Central Office Code Assignment Guidelines, as may be amended from time to time, or to establish, by Tariff or otherwise, Rate Centers and Rating Points corresponding to such

NXX codes. Until such time as number administration is provided by a third party, BA shall provide ETC access to telephone numbers by assigning NXX codes to ETC in accordance with such Assignment Guidelines.

8.2 It shall be the responsibility of each Party to program and update its own switches and network systems in accordance with the Local Exchange Routing Guide (“LERG”) in order to recognize and route traffic to the other Party’s assigned NXX codes at all times. Neither Party shall impose any fees or charges whatsoever on the other Party for such activities, except as expressly set forth in this Agreement.

8.3 Unless mandated otherwise by a Commission order, the Rate Center Areas will be the same for each Party. During the term of this Agreement, ETC shall adopt the Rate Center Areas and Rate Center Points that the Commission has approved for BA, in all areas where BA and ETC service areas overlap, and ETC shall assign whole NPA-NXX codes to each Rate Center unless the LEC industry adopts alternative methods of utilizing NXXs in the manner adopted by the NANP.

8.4 ETC will also designate a Routing Point for each assigned NXX code. ETC shall designate one location for each Rate Center Area as the Routing Point for the NPA-NXXs associated with that Area, and such Routing Point shall be within the same LATA as the Rate Center Area but not necessarily within the Rate Center Area itself.

8.5 Notwithstanding anything to the contrary contained herein, nothing in this Agreement is intended to, and nothing in this Agreement shall be construed to, in any way constrain ETC’s choices regarding the size of the local calling area(s) that ETC may establish for its Customers, which local calling areas may be larger than, smaller than, or identical to, BA’s local calling areas.

9.0 NETWORK MAINTENANCE AND MANAGEMENT; OUTAGES

9.1 The Parties will work cooperatively to install and maintain a reliable network. ETC and BA will exchange appropriate information (e.g., maintenance contact numbers, escalation procedures, network information, information required to comply with law enforcement and other security agencies of the Government) to achieve this desired reliability. In addition, the Parties will work cooperatively to apply sound network management principles to alleviate or to prevent congestion.

9.2 Each Party recognizes a responsibility to follow the standards that may be agreed to between the Parties and to employ characteristics and methods of operation that will not interfere with or impair the service or any facilities of the other or any third parties connected with or involved directly in the network of the other.

9.3 Interference or Impairment

If Party A reasonably determines that the characteristics and methods of operation used by Party B will or may interfere with or impair its provision of services, Party A shall have the right to discontinue Interconnection subject, however, to the following:

9.3.1 Party A shall have given Party B ten (10) days' prior written notice of interference or impairment or potential interference or impairment which specifies the time within which Party B is to correct the condition; and,

9.3.2 Party A shall have concurrently provided a copy of the notice provided to Party B under (a) above to the appropriate federal and/or state regulatory bodies.

9.3.3 Notice in accord with subsections 9.3.1 and 9.3.2 above shall not be required in emergencies and Party A may immediately discontinue Interconnection if reasonably necessary to meet its obligations. In such case, however, Party A shall use all reasonable means to notify Party B and the appropriate federal and/or state regulatory bodies.

9.3.4 Upon correction of the interference or impairment, Party A will promptly renew the Interconnection. During such period of discontinuance, there will be no compensation or credit allowance by Party A to Party B for interruptions.

9.4 Repeated or Willful Noncompliance

9.4.1 The Interconnection provided hereunder may be discontinued by either Party upon thirty (30) days written notice to the other for repeated or willful violation of and/or a refusal to comply with this Agreement. The Party discontinuing will notify the appropriate federal and/or state regulatory bodies concurrently with the notice to the other Party of the prospective discontinuance.

9.5 Outage Repair Standard

In the event of an outage or trouble in any arrangement, facility, or service being provided by a Party hereunder, the providing Party will follow procedures for isolating and clearing the outage or trouble that are no less favorable than those that apply to comparable arrangements, facilities, or services being provided by the providing Party to any other carrier whose network is connected to that of the providing Party. ETC and BA may agree to modify those procedures from time to time based on their experience with comparable Interconnection arrangements with other carriers.

9.6 Notice of Changes -- Section 251(c)(5).

If a Party makes a change in its network which it believes will materially affect the interoperability of its network with the other Party's network, the Party making the change shall provide at least ninety (90) days advance written notice of such change to the other Party.

10. JOINT NETWORK RECONFIGURATION AND GROOMING PLAN; INSTALLATION, MAINTENANCE, TESTING AND REPAIR.

10.1 Joint Network Reconfiguration and Grooming Plan. On or before December 1, 1996, unless the Parties agree to a different date, ETC and BA shall jointly develop a grooming plan (the "Joint Plan") which shall define and detail, inter alia,

- (a) standards to ensure that Interconnection trunk groups experience a grade of service, availability and quality which is comparable to that achieved on interoffice trunks within BA's network and in accord with all appropriate relevant industry-accepted quality, reliability and availability standards. Trunks provided by either Party for Interconnection services will be engineered using a design blocking objective of P.01;
- (b) the respective duties and responsibilities of the Parties with respect to the administration and maintenance of the trunk groups, including, but not limited to, standards and procedures for notification and discoveries of trunk disconnects;
- (c) disaster recovery provision escalations;
- (d) migration from one-way to two-way Interconnection Trunks upon mutual agreement of the Parties;
- (e) the procedures to govern any ETC request for information concerning available BA network facilities that ETC may purchase as unbundled Network Elements to connect the beginning and end points within given exchanges specified by ETC in its request; and
- (f) such other matters as the Parties may agree.

10.2 Installation, Maintenance, Testing and Repair. BA's standard intervals for Feature Group D Switched Exchange Access Services will be used for Interconnection. ETC shall meet the same intervals for comparable installations, maintenance, joint testing, and repair of its facilities and services associated with or used in conjunction with Interconnection or shall notify BA of its inability to do so and will negotiate such intervals in good faith. The Parties agree that the standards to be used by each Party for isolating and clearing any disconnections and/or other outages or troubles shall be no less favorable than those applicable to comparable arrangements, facilities, or services being provided by such Party to any other carrier whose network is connected to that of the providing Party.

10.3 Forecasting Requirements for Trunk Provisioning. Within sixty (60) days of executing this Agreement, ETC shall provide BA a one (1) year traffic forecast. This initial forecast will provide the amount of traffic to be delivered to each of BA's End Offices affected by the exchange of traffic. The forecast shall be updated and provided to BA on a quarterly basis, and include Access Carrier Terminal Location (ACTL), traffic type (local/toll, operator services, 911, etc.), code (identifies trunk group), A location/Z location (CLLI codes), interface type (e.g., DS1), and trunks in service each year (cumulative).

10.3.1 Initial Forecasts/Trunking Requirements. Because BA's trunking requirements will, at least during an initial period, be dependent on the customer segments and service segments within customer segments to whom ETC decides to market its services, BA will be largely dependent on ETC to provide accurate trunk forecasts for both inbound (from BA) and outbound (from ETC) traffic. BA will, as an initial matter and upon request, provide the same number of trunks to terminate local traffic to ETC as ETC provides to terminate local traffic to BA, unless ETC expressly identifies particular situations that are expected to produce traffic that is substantially skewed in either the inbound or outbound direction, in which case BA will provide the number of trunks ETC suggests. Upon the establishment of any new set of trunks for traffic from BA to ETC, BA will monitor traffic for ninety (90) days, and will, as necessary at the end of that period, either augment trunks or disconnect trunks, based on the application of reasonable engineering criteria to the actual traffic volume experienced. If, after such 90-day period, BA has determined that the trunks are not warranted by actual traffic volumes, then, on ten (10) days' written notice, BA may hold ETC financially responsible for such trunks retroactive to the start of the 90-day period until such time as they are justified by actual traffic volumes, based on the application of reasonable engineering criteria. To the extent that BA requires ETC to install trunks for delivery of traffic to BA, ETC may apply the same procedures with respect to BA's trunking requirements.

11.0 UNBUNDLED ACCESS -- SECTION 251(c)(3).

To the extent required of each Party by Section 251 of the Act, each Party shall offer to the other Party nondiscriminatory access to Network Elements on an unbundled basis at any technically feasible point. BA shall unbundle and separately price and offer Network Elements such that ETC will be able to lease and interconnect to whichever of the Network Elements ETC requires, and to combine the BA-provided elements with any facilities and services that ETC may itself provide, except that ETC shall not recombine Network Elements purchased from BA for use as a substitute

for the purchase at wholesale rates of Telecommunications Services that BA provides unless otherwise mandated by the FCC or the Commission or agreed to by BA with other carriers.

11.1 Unbundled Local Loop (“ULL”) Transmission Types

Subject to subsection 11.4, BA shall allow ETC to access the following ULL types (in addition to those ULLs available under applicable tariffs) unbundled from local switching and local transport in accordance with the terms and conditions set forth in this subsection 11.1.

11.1.1 “2-Wire Analog Voice Grade ULL” or “Analog 2W” provides an effective 2-wire channel with 2-wire interfaces at each end that is suitable for the transport of analog voice grade (nominal 300 to 3000 Hz) signals and loop-start signaling. The service is more fully described in Bell Atlantic TR-72565. If “Customer-Specified Signaling” is requested, the service will operate with one of the following signaling types that may be specified when the service is ordered: loop-start, ground-start, loop-reverse-battery, and no signaling. The service is more fully described in Bell Atlantic TR-72570.

11.1.2 “4-Wire Analog Voice Grade ULL” or “Analog 4W” provides an effective 4-wire channel with 4-wire interfaces at each end that is suitable for the transport of analog voice grade (nominal 300 to 3000 Hz) signals. The service will operate with one of the following signaling types that may be specified when the service is ordered: loop-start, ground-start, loop-reverse-battery, duplex, and no signaling. The service is more fully described in Bell Atlantic TR-72570.

11.1.3 “2-Wire ISDN Digital Grade ULL” or “BRI ISDN” provides a channel with 2-wire interfaces at each end that is suitable for the transport of 160 kbps digital services using the ISDN 2B1Q line code.

11.1.4 “2-Wire ADSL-Compatible ULL” or “ADSL 2W” provides a channel with 2-wire interfaces at each end that is suitable for the transport of digital signals up to 6Mbps toward the Customer and up to 640 kbps from the Customer. BA will offer ADSL-Compatible ULLs only when the technology BA uses to provide such ULLs is compatible with that of ETC. In addition, ADSL-Compatible ULLs will be available only where existing copper facilities can meet applicable industry standards.

11.1.5 “2-Wire HDSL-Compatible ULL” or “HDSL 2W” provides a channel with 2-wire interfaces at each end that is suitable for the transport of 784 kbps digital signals simultaneously in both directions using the 2B1Q line code. HDSL compatible ULLs will be available only where existing copper facilities can meet the specifications.

11.1.6 “4-Wire HDSL-Compatible ULL” or “HDSL 4W” provides a channel with 4-wire interfaces at each end. Each 2-wire channel is suitable for the transport of 784 kbps digital signals simultaneously in both directions using the 2B1Q line code. HDSL compatible ULLs will be available only where existing copper facilities can meet the specifications.

11.1.7 “4-Wire DS1-compatible ULL” provides a channel with 4-wire interfaces at each end. Each 4-wire channel is suitable for the transport of 1.544 mbps digital signals simultaneously in both directions using PCM line code. DS-1-compatible ULLs will be available where existing copper facilities can meet the specifications.

11.1.8 ULLs will be offered on the terms and conditions specified herein and on such other terms in applicable Tariffs that are not inconsistent with the terms and conditions set forth herein. BA shall make ULLs available to ETC at the rates specified by the Commission, as amended from time to time, subject to the provisions of subsection 11.1.9 below.

11.1.9 BA will make Analog 2-Wire ULLs available for purchase by ETC in accordance with the schedule set forth in Schedule 3.0. BA will make BRI ISDN, Analog 4W ULLs and 4-Wire DS-1-compatible ULLs available for purchase by ETC by the later of January 1, 1997, or the date when the ULL milestone contained in Schedule 3.0 is achieved in the LATA. BA and ETC agree to undertake a joint technical and operational trial of HDSL 4-Wire or ADSL 2-Wire ULLs, which trial shall commence within thirty (30) days of a request for such test by ETC. The Parties may, in the future and by mutual agreement, also undertake a joint technical and operational trial of HDSL 2-Wire ULLs. Upon successful completion of such trial(s), the Parties shall agree upon an implementation schedule for the ULL type(s) subject to such trial(s), which schedule shall begin no later than ninety (90) days after successful completion of such trial(s).

11.2 Port Types

BA shall make available to ETC unbundled 2-wire analog line and 2-wire analog trunk Ports and unbundled Switching Elements, as required by the FCC Regulations, on the terms and conditions specified herein and on such other terms in applicable Tariffs that are not inconsistent with the terms and conditions set forth herein. BA will offer ETC Ports and unbundled Switching Elements that utilize other technologies as they become available, upon a bona fide request by ETC.

11.3 Trunk Side Local Transport

BA shall provide ETC local transport from the trunk side of BA’s Central Office Switches using private lines and special access services unbundled from switching, unbundled interoffice transmission facilities, and other services in accordance with the terms and conditions of BA’s existing or filed Tariffs, as referenced in Exhibit A.

11.4 Operations Support Systems

BA shall provide ETC with access via electronic interfaces or electronic bonding to databases required for pre-ordering, ordering, provisioning, maintenance and repair, and billing as soon as practicable. Until such electronic access is established, BA shall provide ETC with comparable information via facsimile or other mutually agreed upon medium.

11.5 Limitations on Unbundled Access

11.5.1 ETC shall access BA's unbundled Network Elements specifically identified in this Agreement via Collocation in accordance with Section 13 at the BA Wire Center where those elements exist and each ULL or Port shall be delivered to ETC's Collocation by means of a Cross Connection.

11.5.2 BA shall provide ETC access to its Unbundled Local Loops at each of BA's Wire Centers for loops terminating in that Wire Center. In addition, if ETC requests one or more ULLs provisioned via Integrated Digital Loop Carrier or Remote Switching technology deployed as a ULL concentrator, BA shall, where available, move the requested ULL(s) to a spare, existing physical ULL at no additional charge to ETC. If, however, no spare physical ULL is available, BA shall within three (3) business days of ETC's request notify ETC of the lack of available facilities. ETC may then at its discretion make a Network Element Bona Fide Request to BA to provide the Unbundled Local Loop through the demultiplexing of the integrated digitized ULL(s). ETC may also make a Network Element Bona Fide Request for access to Unbundled Local Loops at the ULL concentration site point. Alternatively, ETC may choose to avail itself of BA's Special Construction services, as set forth in Exhibit A, for the provisioning of such ULL(s). Notwithstanding anything to the contrary in this Agreement, the provisioning intervals set forth in subsection 11.7 and the Performance Criteria and Performance Interval Dates set forth in subsection 27.1 and Schedule 27, respectively, shall not apply to ULLs provided under this subsection 11.5.2.

11.5.3 If ETC orders a ULL type and the distance requested on such ULL exceeds the transmission characteristics in applicable technical references, distance extensions may be required and additional rates and charges shall apply as set forth in Exhibit A or applicable Tariffs.

11.5.4 BA will exercise all reasonable efforts to ensure that the service intervals that apply to ULLs and unbundled Ports are comparable to the (i) repair intervals that apply to the bundled dial tone line service, and (ii) installation intervals that apply to other BA-coordinated services, except as provided in Section 27. Although BA will make commercially reasonable efforts to ensure that ULLs and unbundled ports meet specified or agreed-upon technical standards, BA makes no warranty that the ULLs or unbundled Ports supplied by BA hereunder will be compatible with the services ETC may offer to its Customers if they are used in a manner not contemplated by the Parties.

11.6 Availability of Other Network Elements on an Unbundled Basis

11.6.1 BA shall, upon request of ETC, and to the extent technically feasible, provide to ETC access to its Network Elements on an unbundled basis for the provision of ETC's Telecommunications Service. Any request by ETC for access to an BA Network Element that is not already available shall be treated as a Network Element Bona Fide Request. ETC shall provide BA access to its Network Elements as mutually agreed by the Parties or as required by the Commission or FCC.

11.6.2 A Network Element obtained by one Party from the other Party under this subsection 11.6 may be used in combination with the facilities of the requesting Party only to provide a Telecommunications Service, including obtaining billing and collection, transmission, and routing of the Telecommunications Service.

11.6.3 Notwithstanding anything to the contrary in this subsection 11.6, a Party shall not be required to provide a proprietary Network Element to the other Party under this subsection 11.6 except as required by the Commission or FCC.

11.6.4 BA will, on a semi-annual basis, notify ETC of the availability of new unbundled network elements.

11.7 Provisioning of Unbundled Local Loops

The following coordination procedures shall apply for conversions of "live" Telephone Exchange Services to ULLs. These and other mutually agreed-upon procedures shall apply reciprocally for the "live" cutover of Customers from BA to ETC and from ETC to BA.

11.7.1 Upon request by ETC, BA will apply the following coordination procedures to conversions of live Telephone Exchange Services to ULLs. Coordinated cutover charges will apply to any such arrangement. If ETC elects not to request coordinated cutover, BA will process ETC's request in the normal course and subject to the normal installation intervals.

11.7.2 ETC shall request ULLs from BA by delivering to BA a valid electronic transmittal service order (when available) or another mutually agreed-upon type of service order such as a Loop/NID Time and Material form. Such service order shall be provided in accordance with industry format and specifications or such format and specifications as may be agreed to by the Parties. Within forty-eight (48) hours of BA's receipt of such valid service order, BA shall provide ETC the firm order commitment date according to the Performance Interval Dates set forth in Schedule 27 by which the ULLs covered by such service order will be installed. In addition, BA shall provide ETC with the related ULL design information, if available, at least forty eight (48) hours prior to the scheduled cutover time.

11.7.3 On each ULL order in a Wire Center, ETC and BA will agree on a cutover time at least forty eight (48) hours before that cutover time. The cutover time will be defined as

a 15-30 minute window within which both the ETC and BA personnel will make telephone contact to complete the cutover.

11.7.4 Within the appointed 15-30 minute cutover time, the ETC person will call the BA organization designated to coordinate cross-connection work and when the BA organization is reached in that interval such work will be promptly performed.

11.7.5 If ETC requires a change in scheduling, it must contact BA to issue a supplement to the original order. The negotiations process to determine the date and time of cutover will then be reinitiated as usual.

11.7.6 If the ETC person is not ready within the appointed interval and if ETC had not called to reschedule the work at least two (2) hours prior to the start of the interval, ETC shall be liable for the non-recurring charge for the unbundled elements scheduled for the missed appointment. In addition, non-recurring charges for the rescheduled appointment will apply.

11.7.7 If BA is not available or not ready at any time during the appointed 15-30 minute interval, ETC and BA will reschedule and BA will waive the non-recurring charge for the unbundled elements originally scheduled for that interval, whenever those unbundled elements are actually cut over pursuant to an agreed-upon rescheduling.

11.7.8 The standard time expected from disconnection of a live Telephone Exchange Service to the connection of the unbundled element to the ETC Collocation Arrangement is fifteen (15) minutes per voice grade circuit for all orders consisting of twenty (20) ULLs or less. Orders involving more than twenty (20) ULLs will require a negotiated interval.

11.7.9 If unusual or unexpected circumstances prolong or extend the time required to accomplish the coordinated cutover, the Party responsible for such circumstances is responsible for the reasonable labor charges of the other Party. Delays caused by the Customer are the responsibility of ETC.

11.7.10 If ETC has ordered INP as part of an ULL installation, BA will coordinate implementation of INP with the ULL installation. BA's provision of unbundled elements shall in all cases be subject to the availability of suitable facilities, to the extent permitted by Section 251 of the Act.

11.7.11 If ETC requests or approves a BA technician to perform services on the network side of the Rate Demarcation Point beyond normal installation of the ULLs covered by the service order, BA may charge ETC for any additional and reasonable labor charges to perform such services. BA may also charge ETC its normal overtime rates for services ETC requests to be performed outside of BA's normal business hours (M-F, 9 am to 5 pm, E.S.T.).

11.8 Maintenance of Unbundled Local Loops

If (i) ETC reports to BA a Customer trouble, (ii) ETC requests a dispatch, (iii) BA dispatches a technician, and (iv) such trouble was not caused by BA's facilities or equipment, then ETC shall pay BA the applicable tariff rate for said dispatch. In addition this charge also applies in situations when the Customer contact as designated by ETC is not available at the appointed time. ETC accepts responsibility for initial trouble isolation and providing BA with appropriate dispatch information based on their test results. If, as the result of ETC instructions, BA is erroneously requested to dispatch within the Central Office, BA may levy on ETC an appropriate charge.

11.9 Rates and Charges

BA shall charge the non-recurring and monthly recurring rates for ULLs and other Network Elements set forth in Exhibit A as interim rates until such time as the Commission adopts permanent rates consistent with the requirements of the FCC Regulations. Such permanent rates shall be applied in the manner described in Exhibit A and subsection 20.1.2 below.

12.0 RESALE -- SECTIONS 251(c)(4) and 251(b)(1).

12.1 Availability of Retail Rates for Resale

Each Party shall make available its Telecommunications Services for resale at retail rates to the other Party in accordance with Section 251(b)(1) of the Act.

12.2 Availability of Wholesale Rates for Resale

BA shall make available to ETC for resale at the wholesale rates set forth in Exhibit A all Telecommunications Services that BA provides at retail to Customers that are not Telecommunications Carriers. Such services shall be provided in accordance with the terms of the applicable retail services Tariff(s), including, without limitation, user or user group restrictions, as the case may be, subject to the requirement that such restrictions shall in all cases comply with the requirements of Section 251 of the Act and the FCC Regulations regarding restrictions on resale. In addition, BA and ETC shall each allow the resale by the other of all Telecommunications Services that are offered primarily or entirely to other Telecommunications Carriers (e.g., Switched and special Exchange Access Services) at the rates already applicable to such services. BA shall also allow the resale by ETC of such other non-Telecommunications Services as BA, in its sole discretion, determines to provide for resale under terms and conditions to be agreed to by the Parties. If ETC requests resale at wholesale rates of Telecommunications Services that BA provides at retail to Customers that are not Telecommunications Carriers before April 1, 1997, the Parties shall negotiate and agree upon the terms and conditions for ordering, provisioning, billing, and maintaining such resale arrangements before ETC submits any orders for such resale, which terms and conditions are unlikely to rely on automated interfaces. During the period before April 1, 1997, the Parties shall negotiate and agree upon, in the form of a separate agreement to be appended hereto, resale arrangements to apply after that date. Such arrangements shall, to the extent feasible

and economically reasonable, employ automated interfaces for ordering, provisioning, billing,, and maintaining resold accounts. The Parties may also agree to negotiate term and/or volume discounts for resold services

13.0 COLLOCATION -- SECTION 251(c)(6).

13.1 BA shall offer to ETC Physical Collocation of equipment necessary for Interconnection (pursuant to Section 4) or for access to unbundled Network Elements (pursuant to Section 11.0), except that BA may offer only Virtual Collocation if BA demonstrates to the Commission that Physical Collocation is not practical for technical reasons or because of space limitations, as provided in Section 251(c)(6) of the Act. BA shall provide such Collocation solely for the purpose of Interconnection with facilities or services of BA or access to unbundled Network Elements of BA, except as otherwise mutually agreed to in writing by the Parties or as required by the FCC or the Commission, subject to applicable federal and state Tariffs.

13.2 Although not required to do so by Section 251(c)(6) of the Act, by this Agreement, ETC agrees to offer to BA Collocation (at ETC's option either Physical or Virtual) of equipment for purposes of Interconnection (pursuant to Section 4) on a non-discriminatory basis and at comparable rates, terms and conditions as ETC may provide to other third parties. ETC shall provide such Collocation subject to applicable Tariffs.

13.3 Where ETC is Virtually Collocated on the date hereof on a premise that was initially prepared for ETC as Virtual Collocation, ETC may elect to (i) retain its Virtual Collocation in that premises, and/or (ii) unless it is not practical for technical reasons or because of space limitations, establish Physical Collocation, in which case ETC shall coordinate the construction and rearrangement with BA of its equipment, facilities, and circuits, and for which ETC shall pay BA at applicable Tariff rates. In addition, all Physical Collocation recurring charges shall apply.

13.4 Prior to the initiation of a Collocation project, BA shall:

- (a) identify the Collocation project manager assigned to the project;
- (b) develop a written comprehensive "critical tasks" timeline detailing the work (and relative sequence thereof) that is to be performed by each Party or jointly by both Parties; and
- (c) provide ETC with the following engineering requirements, if applicable:
 - Fiber Optic Terminal/Integrated Digital Loop Carrier bay locations;
 - Digital Cross-Connect panel location and jack assignments (in the case of Physical Collocation only);
 - fiber panel location and fiber port assignments;
 - single point of contact for each BA office where Collocation activities will be performed; and
 - MDF assignments for the installation of ULLs.

13.5 For both Physical Collocation and Virtual Collocation, the Collocating Party shall provide its own or third-party leased transport facilities and terminate those transport facilities in equipment located in its Physical Collocation space, or in its virtually collocated equipment, at the Housing Party's premises as described in applicable Tariffs, and purchase Cross Connection to services or facilities as described in applicable Tariffs.

13.6 Collocation shall occur under the terms of each Party's applicable and available Tariffs.

SECTION 251(b) PROVISIONS

14.0 NUMBER PORTABILITY -- SECTION 251(b)(2).

14.1 Scope

14.1.1 The Parties shall provide Local Telephone Number Portability ("LTNP") on a reciprocal basis to each other to the extent technically feasible, and in accordance with rules and regulations as from time to time prescribed by the FCC and/or the Commission.

14.1.2 Until Permanent Number Portability is implemented by the industry pursuant to regulations issued by the FCC and/or the Commission, the Parties agree to reciprocally provide Interim Number Portability to each other at the prices listed in Exhibit A. Such agreed-upon prices for INP are not intended to reflect either Party's views on the cost recovery mechanisms being considered by the FCC in its current proceeding on number portability issues.

14.1.3 Upon the agreement of the Parties or issuance of applicable FCC and/or Commission order(s) or regulations mandating the adoption of a Permanent Number Portability ("PNP") arrangement, BA and ETC will commence migration from INP to the agreed-upon or mandated PNP arrangement as quickly as practically possible while minimizing interruption or degradation of service to their respective Customers. Once PNP is implemented, either Party may withdraw, at any time and at its sole discretion, its INP offerings, subject to advance notice to the other Party and coordination to allow the seamless and transparent conversion of INP Customer numbers to PNP. Upon implementation of PNP pursuant to FCC or Commission regulation, both Parties agree to conform and provide such PNP. To the extent PNP rates or cost recovery mechanisms are not established by the applicable FCC or Commission order or regulation mandating the adoption of PNP, the Parties will negotiate in good faith the charges or cost recovery mechanism for PNP service at such time as a PNP arrangement is adopted by the Parties.

14.1.4 Under either an INP or PNP arrangement, ETC and BA will implement a process to coordinate LTNP cutovers with ULL conversions (as described in Section 11 of this Agreement).

14.2 Procedures for Providing INP Through Remote Call Forwarding

ETC and BA will provide INP through Remote Call Forwarding as follows:

14.2.1 A Customer of one Party ("Party A") elects to become a Customer of the other Party ("Party B"). The Customer elects to utilize the original telephone number(s) corresponding to the Telephone Exchange Service(s) it previously received from Party A, in conjunction with the Telephone Exchange Service(s) it will now receive from Party B. Upon receipt of a service order from Party B requesting assignment of the number(s) to Party B, Party A will implement an arrangement whereby all calls to the original telephone number(s) will be forwarded to a new telephone number(s) designated by Party B, only within the same Exchange Area as the original telephone number(s). Party A will route the forwarded traffic to Party B over the appropriate traffic exchange trunk groups.

14.2.2 Party B will become the customer of record for the original Party A telephone number(s) subject to the INP arrangements. Upon the execution of an appropriate billing services agreement or such other mutually agreed-upon arrangement between the Parties, Party A shall use its reasonable efforts to consolidate into as few billing statements as possible collect, calling card, and third-number billed calls associated with the number(s), with sub-account detail by retained number.

14.2.3 Party A will update its Line Information Database ("LIDB") listings for retained numbers, and restrict or cancel calling cards associated with those forwarded numbers as directed by Party B. In addition, Party A will update the retained numbers in the LIDB with the screening options provided by Party B on a per order basis. Party B shall determine which of the screening options offered by Party A should apply to the Party B Customer account.

14.2.4 Party B will outpulse the telephone number to which the call has been forwarded to the 911 Tandem Office. Party B will also provide the 911 database with both the forwarded number and the directory number, as well as the appropriate address information of the Customer.

14.2.5 Party A shall be permitted to cancel INP arrangements and reassign the telephone number(s) upon receipt of notification from Party B or a third party that is authorized to act on behalf of the Customer. The Parties agree to work cooperatively to develop procedures or adopt industry standards or practices concerning the initiation and termination of INP service in a multi-carrier environment.

14.2.6 The INP service offered herein shall not initially apply to NXX Codes 555, 915, 950 (as applicable), or 976, or for Feature Group A or coin telephone service. Upon request of either Party, provision of INP to these services will be mutually negotiated between the parties and provided to the extent feasible under negotiated rates, terms and conditions. INP shall not apply for any arrangement that would render the forwarded call Toll Traffic.

14.2.7 The ordering of INP arrangements and the exchange of screening information shall be made in accordance with industry-accepted (e.g. OBF developed) format and specifications to the extent they have been implemented by the Parties.

14.3 Procedures for Providing INP Through Direct Inward Dial Trunks (Flex-DID) Either Party may also request INP through Direct Inward Dial Trunks pursuant to any applicable Tariffs.

14.4 Procedures for Providing LTNP Through Full NXX Code Migration Where either Party has activated an entire NXX for a single Customer, or activated a substantial portion of an NXX for a single Customer, with the remaining numbers in that NXX either reserved for future use by that Customer or otherwise unused, if such Customer chooses to receive Telephone Exchange Service from the other Party, the first Party shall cooperate with the second Party to have the entire NXX reassigned in the LERG (and associated industry databases, routing tables, etc.) to an End Office operated by the second Party. Such transfer will be accomplished with appropriate coordination between the Parties and subject to appropriate industry lead-times for movements of NXXs from one switch to another. Neither Party shall charge the other in connection with this coordinated transfer.

14.5 Receipt of Terminating Compensation on Traffic to INP'ed Numbers

The Parties agree in principle that, under the INP arrangements described in subsections 14.2 and 14.3 above, terminating compensation on calls to INP'ed numbers should be received by each Customer's chosen LEC as if each call to the Customer had been originally addressed by the caller to a telephone number bearing an NPA-NXX directly assigned to the Customer's chosen LEC. In order to accomplish this objective where INP is employed, the Parties shall utilize the process set forth in this subsection 14.5 whereby terminating compensation on calls subject to INP will be passed from the Party (the "Performing Party") which performs the INP to the other Party (the "Receiving Party") for whose Customer the INP is provided.

14.5.1 The Parties shall individually and collectively make best efforts to track and quantify INP traffic between their networks based on the CPN of each call by identifying CPNs which are INP'ed numbers. The Receiving Party shall charge the Performing Party for each minute of INP traffic at the INP Traffic Rate specified in subsection 14.5.3 in lieu of any other compensation charges for terminating such traffic, except as provided in subsection 14.5.2.

14.5.2 By the Interconnection Activation Date in each LATA, the Parties shall jointly estimate for the prospective six months, based on historic data of all traffic in the LATA, the percentages of such traffic that, if dialed to telephone numbers bearing NPA-NXXs directly assigned to a Receiving Party (as opposed to the INP'ed number), would have been subject to (i) Reciprocal Compensation ("Recip Traffic"), (ii) appropriate intrastate FGD charges ("Intra Traffic"), (iii) interstate FGD charges ("Inter Traffic"), or (iv) handling as Transit Traffic. On the date which is six (6) months after the Interconnection Activation Date, and thereafter on each succeeding six month anniversary of such Interconnection Activation Date, the Parties shall establish new INP traffic percentages to be applied in the prospective six (6) month period, based

on the Performing Party's choice of actual INP traffic percentages from the preceding six (6) month period or historic data of all traffic in the LATA.

14.5.3 The INP Traffic Rate shall be equal to the sum of:

(Recip Traffic percentage times the Reciprocal Compensation Rate set forth in Exhibit A)
plus
(Intra Traffic percentage times Receiving Party's effective intrastate FGD rates)
plus
(Inter Traffic percentage times Receiving Party's effective interstate FGD rates).

The Receiving Party shall compensate the Performing Party for its billing and collection of charges for the intrastate and interstate FGD access services provided by the Receiving Party to a third party through the greater of (i) the difference between the intrastate and interstate FGD rates of the Receiving Party and the Performing Party, or (ii) three percent (3%) of the Performing Party's intrastate and interstate FGD revenues for INP'ed numbers. Under no circumstances shall the Performing Party, in performing the billing and collections service on behalf of the Receiving Party, be obligated to pass through more than ninety seven percent (97%) of its FGD access charge to the Receiving Party in connection with any given INP'ed call.

14.6 Recovery of INP Costs Pursuant to FCC Order and Rulemaking

Notwithstanding anything to the contrary contained in this Section 14, in light of the FCC's First Report and Order and Further Notice of Proposed Rulemaking, adopted June 27, 1996, in CC Docket 95-116 (the "Order"), the Parties stipulate and agree as follows:

14.6.1 The rates listed in Exhibit A for the provision of INP are appropriate amounts that each Party providing INP service should recover for the provision of those INP functionalities in BA's operating territory. For the INP functions it provides, each Party should be allowed to recover these amounts in a manner consistent with any final FCC and/or Commission order on INP cost recovery (such as a state-wide fund contributed to by all telecommunications carriers).

14.6.2 The Parties agree that neither Party waives its rights to advocate its views that are consistent with this subsection 14.6 on the appropriate INP cost recovery mechanism, or to present such views before any relevant regulatory body or other agency as they relate to FCC or Commission actions on INP cost recovery.

15.0 DIALING PARITY -- SECTION 251(b)(3).

BA and ETC shall each provide the other with nondiscriminatory access to such services and information as are necessary to allow the other Party to implement dialing parity for Telephone Exchange Service, operator services, directory assistance, and directory listing information with no unreasonable dialing delays, as required under Section 251(b)(3) of the Act.

16.0 ACCESS TO RIGHTS-OF-WAY -- SECTION 251(b)(4).

16.1 Each Party shall provide the other Party access to its poles, ducts, rights-of-way and conduits it owns or controls in conformance with 47 U.S.C. § 224, as set forth in Exhibit A, where facilities are available, on terms, conditions and prices comparable to those offered to any other entity pursuant to each Party's applicable Tariffs. Where no such Tariffs exist, such access shall be provided in accordance with the requirements of 47 U.S.C. § 224, including any FCC regulations that may be issued. In addition, the Parties agree to review any existing rights-of-way arrangements between them in order to bring such arrangements into conformance with the requirements of 47 U.S.C. § 224 within ninety (90) days of the date hereof. In conducting such review and making the necessary conforming changes, if any, the Parties agree to consider the appropriateness of applying such changes on a retroactive basis to the date hereof. If the Parties are unable to agree on the necessary changes to the existing arrangements or the appropriateness of applying them on a retroactive basis, the Parties may invoke the procedures set forth in subsection 29.9 below.

16.2 Within forty five (45) days of a bona fide written request by ETC, the Parties shall meet to discuss the available BA ducts and conduits that ETC may access to connect the beginning and end points within a given exchange specified by ETC in its request. Such discussion shall include but not be limited to the considerations raised in the FCC Regulations as well as the exchange of the following information, if appropriate: location, measurements, description, and routing information. This exchange of information and records does not preclude the need for a field survey to verify location and availability of spare ducts and conduits and to designate conduit to be used. ETC must make its own field measurements as information on records is for preliminary design purposes only.

17.0 DATABASES AND SIGNALING.

17.1 Each Party shall provide the other Party with access to databases and associated signaling necessary for call routing and completion by providing SS7 Common Channel Signaling (CCS) Interconnection in accordance with existing Tariffs, and Interconnection and access to 800/888 databases, LIDB, and any other necessary databases in accordance with existing Tariffs and/or agreements with other unaffiliated carriers, as set forth in the Exhibit A. Alternatively, either Party may secure CCS Interconnection from a commercial SS7 hub provider, and in that case the other Party will permit the purchasing Party to access the same databases as would have been accessible if the purchasing party had connected directly to the other Party's CCS network.

17.2 The Parties will provide CCS Signaling to one another, where and as available, in conjunction with all Local Traffic, Toll Traffic, Meet Point Billing Traffic, and Transit Traffic. The Parties will cooperate on the exchange of TCAP messages to facilitate interoperability of CCS-based features between their respective networks, including all CLASS features and functions, to the extent each Party offers such features and functions to its Customers. All CCS Signaling parameters will be provided upon request (where available), including called party number, calling party number, originating line information, calling party category, and charge number. All privacy indicators will be honored. The Parties will follow all Ordering and Billing Forum-adopted standards pertaining to CIC/OZZ codes. Where CCS Signaling is not available, in-band multi-frequency (MF) wink start signaling will be provided. Any such MF arrangement will require a separate local trunk circuit between the Parties' respective switches. In such an arrangement, each Party will output the full ten-digit telephone number of the called party to the other Party.

17.3 Each Party shall provide trunk groups, where available and upon reasonable request, that are configured utilizing the B8ZS ESF protocol for 64 kbps clear channel transmission to allow for ISDN interoperability between the Parties' respective networks.

17.4 The following publications describe the practices, procedures and specifications generally utilized by BA for signaling purposes and is listed herein to assist the Parties in meeting their respective Interconnection responsibilities related to Signaling:

(a) Bellcore Special Report SR-TSV-002275, BOC Notes on the LEC Networks - Signaling; and

(b) Bell Atlantic Supplement Common Channel Signaling Network Interface Specification (BA-905).

17.5 Each Party shall charge the other Party mutual and reciprocal rates for CCS Signaling as follows: BA shall charge ETC in accordance with Exhibit A hereto and applicable Tariffs; ETC shall charge BA rates equal to the rates BA charges ETC, unless ETC's Tariffs for CCS signaling provide for lower generally available rates, in which case ETC shall charge BA such lower rates.

18.0 COORDINATED SERVICE ARRANGEMENTS.

18.1 Intercept and Referral Announcements. When a Customer changes its service provider from BA to ETC, or from ETC to BA, and does not retain its original telephone number, the Party formerly providing service to such Customer shall provide a referral announcement ("Referral Announcement") on the abandoned telephone number which provides details on the Customer's new number or provide other appropriate information to the extent known. Referral Announcements shall be provided reciprocally, free of charge to either the other Party or the Customer to the extent the providing Party does not charge its own customers for such service, for a period of not less than four (4) months after the date the Customer changes

its telephone number in the case of business Customers and not less than sixty (60) days after the date the Customer changes its telephone number in the case of residential Customers. However, if either Party provides Referral Announcements for different periods than the above respective periods when its Customers change their telephone numbers, such Party shall provide the same level of service to Customers of the other Party.

18.2 Coordinated Repair Calls. ETC and BA will employ the following procedures for handling misdirected repair calls:

18.2.1 ETC and BA will educate their respective Customers as to the correct telephone numbers to call in order to access their respective repair bureaus.

18.2.2 To the extent Party A is identifiable as the correct provider of service to Customers that make misdirected repair calls to Party B, Party B will immediately refer the Customers to the telephone number provided by Party A, or to an information source that can provide the telephone number of Party A, in a courteous manner and at no charge. In responding to misdirected repair calls, neither Party shall make disparaging remarks about the other Party, its services, rates, or service quality.

18.2.3 ETC and BA will provide their respective repair contact numbers to one another on a reciprocal basis.

18.3 Customer Authorization. In order for either Party to order or terminate service on behalf of the other Party's Customer, the requesting Party must have proper written authorization from the customer in its files, and provide a copy of such authorization to the other Party upon request. In the event the requesting Party (i) fails to provide a copy of the Customer's proper written authorization upon request, (ii) requests changes in the other Party's Customer's service without having such authorization in its files, or (iii) mistakenly changes the other Party's Customer's service, the requesting Party shall be liable to the other Party for all charges that would be applicable to the Customer for restoring service to the other Party.

19.0 DIRECTORY SERVICES ARRANGEMENTS

BA will, upon request, provide the following directory services to ETC in accordance with the terms set forth herein. In this Section 19, references to a ETC Customer's "primary listing" shall mean such Customer's name, address, and main telephone number, which number falls within the NXX codes directly assigned to ETC or is retained by ETC on the Customer's behalf pursuant to LTNP arrangements with BA or any other carrier within the geographic area covered in the relevant BA directory.

19.1 Directory Listings and Directory Distributions

19.1.1 BA will include the ETC Customer's primary listing in its "White Pages" directory (residence and business listings) and "Yellow Pages" directory (business listings) that cover the address of the Customer. Listings of ETC's Customers will be interfiled with listings of BA's Customers and the Customers of other LECs included in the BA directories. ETC will pay BA a non-recurring charge as set forth in Exhibit A for providing such service for each ETC Customer's primary listing. ETC will also pay BA's Tariffed charges, as the case may be, for additional and foreign white page listings and other white pages services for ETC's Customers. BA will not require a minimum number of listings per order.

19.1.2 BA will also include the ETC Customer's primary listing in BA's directory assistance database on the same basis that BA's own Customers are included, as well as in any electronic directories in which BA's Customers are ordinarily included, for no charge other than the charges identified in subsection 19.1.1.

19.1.3 BA will distribute to ETC Customers copies of their primary white pages and yellow pages directories at the same time and on the same basis that BA distributes primary directories to its own Customers. BA will also deliver a reasonable number of such directories to ETC. These distributions will be made for no additional charge. ETC and its Customers may request additional directories from BA's Directory Fulfillment Centers, which Centers will provide such additional directories for the same charges applicable to comparable requests by BA Customers.

19.1.4 BA will include all ETC NXX codes associated with the areas to which each directory pertains, along with BA's own NXX codes in any maps or lists of such codes which are contained in the general reference portions of the directories. ETC's NXX codes shall appear in such maps or lists in the same manner as BA's NXX information.

19.1.5 Upon request by ETC, BA will provide ETC with a directory list of relevant NXX codes, the close dates, publishing data, and call guide close dates on the same basis as such information is provided to BA's own business offices.

19.1.6 ETC shall provide BA with daily listing information on all new ETC Customers in the format required by BA or a mutually-agreed upon industry standard format. The information shall include the Customer's name, address, telephone number, the delivery address and number of directories to be delivered, and, in the case of a business listing, the primary business heading under which the business Customer desires to be placed, and any other information necessary for the publication and delivery of directories. ETC will also provide BA with daily listing information showing Customers that have disconnected or terminated their service with ETC. BA will provide ETC with confirmation of listing order activity within forty eight (48) hours.

19.1.7 BA will accord ETC's directory listing information the same level of confidentiality which BA accords its own directory listing information, and BA shall ensure that access to ETC's directory listing information will be used solely for the purpose of providing directory services; provided, however, that BA may use or license information contained in its

directory listings for direct marketing purposes so long as the ETC Customers are not separately identified as such; and provided further that ETC may identify those of its Customers that request that their names not be sold for direct marketing purposes, and BA will honor such requests to the same extent as it does for its own Customers.

19.1.8 Both Parties shall use their best efforts to ensure the accurate listing of ETC Customer listings. BA will also provide ETC, upon request, a copy of the BA listings standards and specifications manual. In addition, BA will provide ETC with a listing of Yellow Pages headings and directory close schedules on an ongoing basis.

19.1.9 ETC will adhere to all practices, standards, and ethical requirements of BA with regard to listings, and, by providing BA with listing information, warrants to BA that ETC has the right to place such listings on behalf of its Customers. ETC agrees that it will undertake commercially practicable and reasonable steps to attempt to ensure that any business or person to be listed is authorized and has the right (i) to provide the product or service offered, and (ii) to use any personal or corporate name, trade name or language used in the listing. In addition, ETC agrees to release, defend, hold harmless and indemnify BA from and against any and all claims, losses, damages, suits, or other actions, or any liability whatsoever, suffered, made, instituted, or asserted by any person arising out of BA's listing of the listing information provided by ETC hereunder.

19.1.10 BA's liability to ETC in the event of a BA error in or omission of a listing shall be subject to the terms of Tariff Pa. P.U.C.-No. 1, Section 1, Paragraph 15.A. In addition, ETC agrees to take, with respect to its own Customers, all reasonable steps to ensure that its and BA's liability to ETC's Customers in the event of a BA error in or omission of a listing shall be subject to the same limitations that BA's liability to its own Customers are subject to.

19.1.11 Within ten (10) business days of the Effective Date, BA agrees to meet with ETC and, if appropriate, arrange a meeting with a BA authorized Yellow Pages agent, to address issues regarding ETC customer referrals or questions pertaining to Yellow Pages listings.

19.2 Yellow Pages Maintenance. The Parties agree to work cooperatively to ensure that Yellow Page advertisements purchased by Customers that switch their service to ETC (including Customers utilizing ETC-assigned telephone numbers and ETC Customers utilizing LTNP) are maintained without interruption. BA will offer Yellow Pages services to ETC Customers on the same basis as they are offered to BA Customers.

19.3 Service Information Pages. BA will include in the "Customer Guide" or comparable section of the applicable white pages directories listings provided by ETC for ETC's installation, repair and customer service and other essential service oriented information, as agreed by the Parties, including appropriate identifying logo. Such listings shall appear in the manner agreed to by the Parties. BA shall not charge ETC for inclusion of this essential service-oriented information, but reserves the right to impose charges on other information ETC may elect to submit and BA may elect to accept for inclusion in BA's white pages directories. BA will provide ETC with the annual directory close dates and reasonable notice of any changes in said dates.

19.4 Directory Assistance (DA); Call Completion

19.4.1 Upon request, BA will provide ETC with directory assistance, connect request, and/or IntraLATA call completion services in accordance with the terms set forth in the Directory Assistance and Call Completion Services Agreement appended hereto as Exhibit C.

19.4.2 Also upon request, BA will provide to ETC operator services trunk groups, utilizing Feature Group D type signaling, with ANI, minus OZZ, when interconnecting to the BA operator services network.

19.4.3 BA agrees to utilize existing trunking arrangements, at no facility charge to ETC, to transfer ETC's operator calls handled by a BA operator to the appropriate 911/E911 PSAP. The ALI information passed to the PSAP shall be consistent with the information that BA passes on its own operator-handled calls.

20.0 COORDINATION WITH TARIFF TERMS

20.1 The Parties acknowledge that some of the services, facilities, and arrangements described herein are or will be available under and subject to the terms of the federal or state tariffs of the other Party applicable to such services, facilities, and arrangements. To the extent a Tariff of the providing Party applies to any service, facility, and arrangement described herein, the Parties agree as follows:

20.1.1 Those rates and charges set forth in Exhibit A for the services, facilities, and arrangements described herein that are designated with an asterisk shall remain fixed for the initial term of the Agreement, notwithstanding that such rates may be different from those contained in an effective, pending, or future Tariff of the providing Party (including any changes to such Tariff subsequent to the Effective Date). Those rates and charges for services, facilities, and arrangements that are not designated with an asterisk, and reference or are identical to a rate contained in an existing Tariff of the providing Party, shall conform with those contained in the then-prevailing Tariff and vary in accordance with any changes that may be made to the Tariff rates and charges subsequent to the Effective Date. Even the asterisked fixed rates and charges shall be changed to reflect any changes in the Tariff rates and charges they reference, however, if the Parties agree to adopt the changed Tariff rates and charges.

20.1.2 As applied to unbundled Network Elements or call transport and/or termination of Local Traffic purchased for the provision of Telephone Exchange Service or Exchange Access, the rates and charges set forth in Exhibit A shall serve as interim rates until such time as they are replaced by such TELRIC-based permanent rates as may be approved by the Commission pursuant to the FCC Regulations. At such time as such TELRIC-based permanent rates have been approved by the Commission, the Parties shall develop and append to Exhibit A an Exhibit AA setting forth such permanent rates, which Exhibit AA the Parties shall update periodically as necessary.

20.2 Except with respect to the rates and charges described in subsection 20.1 above, all other terms contained in an applicable Tariff of the providing Party shall apply in connection with its provision of the particular service, facility, and arrangement hereunder.

21.0 INSURANCE

21.1 ETC shall maintain, during the term of this Agreement, all insurance and/or bonds required by law and necessary to satisfy its obligations under this Agreement, including, without limitation, its obligations set forth in Section 25 hereof. At a minimum and without limiting the foregoing covenant, ETC shall maintain the following insurance:

(a) Commercial General Liability Insurance, on an occurrence basis, including but not limited to, premises-operations, broad form property damage, products/completed operations, contractual liability, independent contractors, and personal injury, with limits of at least \$1,000,000 combined single limit for each occurrence.

(b) Automobile Liability, Comprehensive Form, with limits of at least \$500,000 combined single limit for each occurrence.

(c) Excess Liability, in the umbrella form, with limits of at least \$15,000,000 combined single limit for each occurrence.

(d) Worker's Compensation Insurance as required by law and Employer's Liability Insurance with limits of not less than \$1,000,000 per occurrence.

21.2 ETC shall name BA as an additional insured on the foregoing insurance. ETC agrees that ETC's insurer(s) and anyone claiming by, through, under or on behalf of ETC, shall have no claim, right of action, or right of subrogation, against BA, BA's affiliated companies, or the directors, officers or employees of BA or BA's affiliated companies, based on any loss or liability insurable under the foregoing insurance.

21.3 ETC shall, within two (2) weeks of the date hereof and on a quarterly basis thereafter, furnish certificates or other adequate proof of the foregoing insurance. The certificates or other proof of the foregoing insurance shall be sent to: Bell Atlantic, Insurance Administration Group, 1320 N. Court House Road, 4th Floor, Arlington, Virginia, 22201. In addition, ETC shall require its agents, representatives, or contractors, if any, that may enter upon the premises of BA or BA's affiliated companies to maintain similar and appropriate insurance and, if requested, to furnish BA certificates or other adequate proof of such insurance. Certificates furnished by ETC or ETC's agents, representatives, or contractors shall contain a clause stating: "Bell Atlantic - Pennsylvania, Inc. shall be notified in writing at least thirty (30) days prior to cancellation of, or any material change in, the insurance."

22.0 TERM AND TERMINATION.

22.1 This Agreement shall be effective as of the date first above written and continue in effect until July 1, 1999, and thereafter the Agreement shall continue in force and effect unless and until terminated as provided herein. Upon the expiration of the initial term, either Party may terminate this Agreement by providing written notice of termination to the other Party, such written notice to be provided at least ninety (90) days in advance of the date of termination. In the event of such termination, those service arrangements made available under this Agreement and existing at the time of termination shall continue without interruption under (a) a new agreement executed by the Parties, (b) standard Interconnection terms and conditions approved and made generally effective by the Commission, (c) Tariff terms and conditions generally available to CLECs, or (d) if none of the above is available, under the terms of this Agreement on a month-to-month basis until such time as (a), (b), or (c) becomes available.

22.2 For service arrangements made available under this Agreement and existing at the time of termination, if the standard Interconnection terms and conditions or Tariff terms and conditions result in the non-terminating Party physically rearranging facilities or incurring programming expense, the non-terminating Party shall be entitled to recover such rearrangement or programming costs from the terminating Party. By mutual agreement, the Parties may jointly petition the appropriate regulatory bodies for permission to have this Agreement supersede any future standardized agreements or rules as such regulators might adopt or approve.

22.3 If either Party defaults in the payment of any amount due hereunder, or if either Party violates any other provision of this Agreement, and such default or violation shall continue for sixty (60) days after written notice thereof, the other Party may terminate this Agreement and services hereunder by written notice; provided the other Party has provided the defaulting Party and the appropriate federal and/or state regulatory bodies with written notice at least twenty five (25) days' prior to terminating service. Notice shall be posted by certified mail, return receipt requested. If the defaulting Party cures the default or violation within the twenty five (25) day period, the other Party will not terminate service or this Agreement but shall be entitled to recover all costs, if any, incurred by it in connection with the default or violation, including, without limitation, costs incurred to prepare for the termination of service.

23.0 DISCLAIMER OF REPRESENTATIONS AND WARRANTIES.

EXCEPT AS EXPRESSLY PROVIDED UNDER THIS AGREEMENT, NEITHER PARTY MAKES ANY WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE SERVICES, FUNCTIONS AND PRODUCTS IT PROVIDES UNDER OR CONTEMPLATED BY THIS AGREEMENT AND THE PARTIES DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

24.0 CANCELLATION CHARGES.

Except as provided in this Agreement or as otherwise provided in any applicable Tariff, no cancellation charges shall apply.

25.0 INDEMNIFICATION.

25.1 Each Party agrees to release, indemnify, defend and hold harmless the other Party from and against all losses, claims, demands, damages, expenses, suits or other actions, or any liability whatsoever, including, but not limited to, costs and attorneys' fees (collectively, a "Loss"), (a) whether suffered, made, instituted, or asserted by any other party or person, relating to personal injury to or death of any person, or for loss, damage to, or destruction of real and/or personal property, whether or not owned by others, incurred during the term of this Agreement and to the extent proximately caused by the acts or omissions of the indemnifying Party, regardless of the form of action, or (b) suffered, made, instituted, or asserted by its own customer(s) against the other Party arising out of the other Party's provision of services to the indemnifying Party under this Agreement. Notwithstanding the foregoing indemnification, nothing in this such Section 25. shall affect or limit any claims, remedies, or other actions the indemnifying Party may have against the indemnified Party under this Agreement, any other contract, or any applicable Tariff(s), regulations or laws for the indemnified Party's provision of said services.

25.2 The indemnification provided herein shall be conditioned upon:

(a) The indemnified Party shall promptly notify the indemnifying Party of any action taken against the indemnified Party relating to the indemnification.

(b) The indemnifying Party shall have sole authority to defend any such action, including the selection of legal counsel, and the indemnified Party may engage separate legal counsel only at its sole cost and expense.

(c) In no event shall the indemnifying Party settle or consent to any judgment pertaining to any such action without the prior written consent of the indemnified Party, which consent shall not be unreasonably withheld.

(d) The indemnified Party shall, in all cases, assert any and all provisions in its Tariffs that limit liability to third parties as a bar to any recovery by the third party claimant in excess of such limitation of liability.

(e) The indemnified Party shall offer the indemnifying Party all reasonable cooperation and assistance in the defense of any such action.

25.3 In addition to its indemnity obligations under subsection 25.1, each Party shall provide, in its tariffs and contracts with its Customers that relate to any Telecommunications Service or Network Element provided or contemplated under this Agreement, that in no case shall such Party or any of its agents, contractors or others retained by such parties be liable to any Customer or third party for (i) 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 Customer for the service(s) or function(s) that gave rise to such Loss, and (ii) any Consequential Damages (as defined in subsection 26.2 below).

26.0 LIMITATION OF LIABILITY.

26.1 Except as may be provided pursuant to Section 27 below, the liability of either Party to the other Party for damages arising out of failure to comply with a direction to install, restore or terminate facilities; or out of failures, mistakes, omissions, interruptions, delays, errors, or defects occurring in the course of furnishing any services, arrangements, or facilities hereunder shall be determined in accordance with the terms of the applicable tariff(s) of the providing Party. In the event no tariff(s) apply, the providing Party's liability shall not exceed an amount equal to the pro rata monthly charge for the period in which such failures, mistakes, omissions, interruptions, delays, errors or defects occur. Recovery of said amount shall be the injured Party's sole and exclusive remedy against the providing Party for such failures, mistakes, omissions, interruptions, delays, errors or defects.

26.2 Neither Party shall be liable to the other in connection with the provision or use of services offered under this Agreement for indirect, incidental, consequential, reliance or special damages, including (without limitation) damages for lost profits (collectively, "Consequential Damages"), regardless of the form of action, whether in contract, warranty, strict liability, or tort, including, without limitation, negligence of any kind, even if the other Party has been advised of the possibility of such damages; provided, that the foregoing shall not limit a Party's obligation under Section 25.

26.3 The Parties agree that neither Party shall be liable to the customers of the other Party in connection with its provision of services to the other Party under this Agreement. Nothing in this Agreement shall be deemed to create a third party beneficiary relationship between the Party providing the service and the customers of the Party purchasing the service. In the event of a dispute involving both Parties with a customer of one Party, both Parties shall assert the applicability of any limitations on liability to customers that may be contained in either Party's applicable Tariff(s).

27.0 PERFORMANCE STANDARDS FOR SPECIFIED ACTIVITIES.

27.1 Certain Definitions. When used in this Section 27, the following terms shall have the meanings indicated:

27.1.1 "Specified Performance Breach" means the failure by BA to meet the Performance Criteria for any one of the three Specified Activities for a period of three (3) consecutive calendar months.

27.1.2 "Specified Activity" means any of the following activities:

- (a) the installation by BA of Unbundled Local Loop Elements for ETC ("ULL Installation");
- (b) BA's provision of INP to ETC or

- (c) repair of out of service problems for ETC ("Out of Service Repairs").

27.1.3 "Performance Criteria" means, with respect to any calendar month during the term of this Agreement, the performance by BA during such month of each Specified Activity (except Out-of-Service Repairs) shown in Schedule 27.0, within the time interval shown, in at least eighty percent (80%) of the covered instances. BA shall perform the Out-of-Service Repairs within the specified time interval in at least seventy percent (70%) of the covered instances. Within one week of each anniversary of the Effective Date, the Parties shall jointly review BA's actual network-wide monthly performance percentages for Out-of-Service Repairs for the preceding year and agree upon any improvements in the seventy percent (70%) standard based on the actual percentages for any three consecutive month period and/or the full preceding year, up to and including an eighty percent (80%) standard, as the Out-of-Service Repairs percentage standard applicable to the following year.

27.2 Performance Standards. BA shall exercise best efforts to meet the Performance Criteria for the three Specified Activities. In the event BA fails to meet the Performance Criteria at any time during the term of this Agreement, ETC shall be entitled to pursue all remedies set forth in the applicable BA Tariffs, except as may be agreed to by the Parties. In addition, if BA commits a Specified Performance Breach during the term of this Agreement, the Parties agree to meet immediately to determine whether any liquidated damages provisions are appropriate as an amendment hereof in light of such Breach and, if so, the terms therein; provided, however, that if BA commits a Specified Performance Breach during initial nine (9) months of this Agreement, the Parties agree to meet at the end of the nine-month period. If the Parties are unable to agree as to the appropriateness of the liquidated damages provisions and/or the terms therein within ninety (90) days after the date of the first meeting pursuant to this subsection, or if no such meeting has occurred within ninety (90) days of the end of the nine-month period for reasons other than the mutual agreement of the Parties, the Parties agree to submit to arbitration such disagreement and request that the arbitrators base their decision on comparable ILEC-CLEC interconnection agreements. Unless otherwise agreed to by the Parties, the arbitration shall be conducted by a panel of three (3) arbitrators, one to be appointed by each Party pursuant to CPR's Non-Administered Arbitration Rules and subject to the United States Arbitration Act (9 U.S.C. §§ 1-16), to be conducted in Arlington, Virginia. The Parties agree that the liquidated damages provisions, if any, finally determined by the arbitral process shall be adopted as an amendment to this Agreement.

27.3 Limitations. In no event shall BA be deemed to have failed to meet any of the Performance Criteria if:

27.3.1 BA's failure to meet or exceed any of the Performance Criteria is caused, directly or indirectly, by a Delaying Event. A "Delaying Event" means (a) a failure by ETC to perform any of its obligations set forth in this Agreement (including, without limitation, the Implementation Schedule and the Joint Grooming Plan), (b) any delay, act or failure to act by a Customer, agent, representative, or subcontractor of ETC or (c) any Force Majeure Event. If a Delaying Event prevents or delays BA from performing a Specified Activity, then such Specified Activity shall be excluded from the calculation of BA's compliance with the Performance

Criteria, provided BA performs the Specified Activity in the course of its normal service cycle once the Delaying Event no longer exists; or

27.3.2 the Parties agree to a time interval with respect to a particular order that exceeds the interval set forth in Schedule 27. In such event, the time interval for BA's performance of the Specified Activit(ies) set forth in the order shall be extended to such later date agreed to by the Parties.

27.4 Service Quality Standards. ETC agrees to specific performance standards associated with quality of service requests as specified in Schedule 27.1. Should ETC fail to meet these service quality standards, during a period in which BA has failed to meet the Performance Criteria, BA's failure during such time period shall be excused and not apply toward the calculation of a Specified Performance Breach.

27.5 Records. Each Party shall maintain complete and accurate records in the manner and format agreed to by the Parties, on a monthly basis, of BA's performance under this Agreement of each Specified Activity and its compliance with the Performance Criteria during the initial nine-month period. Each Party shall provide to the other Party such records in a self-reporting format on a monthly basis. The Parties agree that such records shall be deemed "Proprietary Information" for purposes of subsection 29.4.

28.0 COMPLIANCE WITH LAWS; REGULATORY APPROVAL.

28.1 Each Party represents and warrants that it is now and will remain in compliance with all Applicable Laws. Each Party shall promptly notify the other Party in writing of any governmental action that suspends, cancels, withdraws, limits, or otherwise materially affects its ability to perform its obligations hereunder.

28.2 The Parties understand and agree that this Agreement will be filed with the Commission and may thereafter be filed with the FCC. The Parties covenant and agree that this Agreement is satisfactory to them as an agreement under Section 251 of the Act. Each Party covenants and agrees to fully support approval of this Agreement by the Commission or the FCC under Section 252 of the Act without modification. The Parties, however, reserve the right to seek regulatory relief and otherwise seek redress from each other regarding performance and implementation of this Agreement, including, without limitation, the conformance of this Agreement to the FCC Regulations as provided in subsection 28.3 below.

28.3 The Parties recognize that the FCC has issued the FCC Regulations implementing Sections 251, 252, and 271 of the Act that affect certain terms contained in this Agreement. In the event that any one or more of the provisions contained herein is inconsistent with any such FCC Regulations, the Parties agree to make only the minimum revisions necessary to eliminate the inconsistency. Such minimum changes to conform this Agreement to the FCC Regulations shall not be considered material, and shall not require further Commission approval (beyond any Commission approval required under Section 252(e) of the Act).

28.4 In the event any Applicable Law other than the FCC Regulations requires modification of any material term(s) contained in this Agreement, either Party may require a renegotiation of the term(s) that require direct modification as well as of any term(s) that are reasonably affected thereby. If neither Party requests a renegotiation or if an Applicable Law requires modification of any non-material term(s), then the Parties agree to make only the minimum modifications necessary, and the remaining provisions of this Agreement shall remain in full force and effect. For purposes of this subsection 28.4 and without limitation of any other modifications required by Applicable Laws, the Parties agree that any modification required by Applicable Laws (i) to the two-tier Reciprocal Call Termination compensation structure for the transport and termination of Local Traffic described in Exhibit A, or (ii) that affects either Party's receipt of reciprocal compensation for the transport and termination of Local Traffic, shall be deemed to be a modification of a material term that requires immediate good faith renegotiation between the Parties. Until such renegotiation results in a new agreement or an amendment to this Agreement between the Parties, the Parties agree that (y) in the case of (i) above, they will pay each other appropriate transport charges in addition to the usual call termination charge for Local Traffic that it delivers to the other Party's Local Serving Wire Center, provided each Party continues to offer the option of delivering Local Traffic to another IP in the LATA at the usual call termination charge only, and (z) in the case of (ii) above, the Party whose receipt of reciprocal compensation is affected shall not be obligated to pay the other Party reciprocal compensation for the other Party's transport and termination of the same kind of Local Traffic delivered by the affected Party in excess of what the affected Party is permitted to receive and retain.

29.0 MISCELLANEOUS.

29.1 Authorization.

29.1.1 BA is a corporation duly organized, validly existing and in good standing under the laws of the Commonwealth of Pennsylvania and has full power and authority to execute and deliver this Agreement and to perform the obligations hereunder on behalf of BA.

29.1.2 ETC is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder.

29.2 Independent Contractor. Each Party shall perform services hereunder as an independent contractor and nothing herein shall be construed as creating any other relationship between the Parties. Each Party and each Party's contractor shall be solely responsible for the withholding or payment of all applicable federal, state and local income taxes, social security taxes and other payroll taxes with respect to their employees, as well as any taxes, contributions or other obligations imposed by applicable state unemployment or workers' compensation acts. Each Party has sole authority and responsibility to hire, fire and otherwise control its employees.

29.3 Force Majeure. Neither Party shall be responsible for delays or failures in performance resulting from acts or occurrences beyond the reasonable control of such Party, regardless of whether such delays or failures in performance were foreseen or foreseeable as of the

date of this Agreement, including, without limitation: adverse weather conditions, fire, explosion, power failure, acts of God, war, revolution, civil commotion, or acts of public enemies; any law, order, regulation, ordinance or requirement of any government or legal body; or labor unrest, including, without limitation, strikes, slowdowns, picketing or boycotts; or delays caused by the other Party or by other service or equipment vendors; or any other circumstances beyond the Party's reasonable control. In such event, the affected Party shall, upon giving prompt notice to the other Party, be excused from such performance on a day-to-day basis to the extent of such interferences (and the other Party shall likewise be excused from performance of its obligations on a day-to-day basis to the extent such Party's obligations relate to the performance so interfered with). The affected Party shall use its best efforts to avoid or remove the cause(s) of non-performance and both Parties shall proceed to perform with dispatch once the cause(s) are removed or cease.

29.4 Confidentiality.

29.4.1 All information, including but not limited to specification, microfilm, photocopies, magnetic disks, magnetic tapes, drawings, sketches, models, samples, tools, technical information, data, employee records, maps, financial reports, and market data, (i) furnished by one Party to the other Party dealing with customer specific, facility specific, or usage specific information, other than customer information communicated for the purpose of publication or directory database inclusion, or (ii) in written, graphic, electromagnetic, or other tangible form and marked at the time of delivery as "Confidential" or "Proprietary," or (iii) communicated orally and declared to the receiving Party at the time of delivery, or by written notice given to the receiving Party within ten (10) days after delivery, to be "Confidential" or "Proprietary" (collectively referred to as "Proprietary Information"), shall remain the property of the disclosing Party.

29.4.2 Each Party shall keep all of the other Party's Proprietary Information confidential and shall use the other Party's Proprietary Information only for performing the covenants contained in this Agreement. Neither Party shall use the other Party's Proprietary Information for any other purpose except upon such terms and conditions as may be agreed upon between the Parties in writing.

29.4.3 Unless otherwise agreed, the obligations of confidentiality and non-use set forth in this Agreement do not apply to such Proprietary Information that:

(a) was, at the time of receipt, already known to the receiving Party free of any obligation to keep it confidential as evidenced by written records prepared prior to delivery by the disclosing Party; or

(b) is or becomes publicly known through no wrongful act of the receiving Party;
or

(c) is rightfully received from a third person having no direct or indirect secrecy or confidentiality obligation to the disclosing Party with respect to such information; or

(d) is independently developed by an employee, agent, or contractor of the receiving Party that is not involved in any manner with the provision of services pursuant to

this Agreement and does not have any direct or indirect access to the Proprietary Information; or

(e) is approved for release by written authorization of the disclosing Party; or

(f) is required to be made public by the receiving Party pursuant to applicable law or regulation, provided that the receiving Party shall give sufficient notice of the requirement to the disclosing Party to enable the disclosing Party to seek protective orders.

29.4.4 Upon request by the disclosing Party, the receiving Party shall return all tangible copies of Proprietary Information, whether written, graphic or otherwise, except that the receiving Party may retain one copy for archival purposes only.

29.4.5 Notwithstanding any other provision of this Agreement, the provisions of this subsection 29.4 shall apply to all Proprietary Information furnished by either Party to the other in furtherance of the purpose of this Agreement, even if furnished before the Effective Date.

29.5 Choice of Law. The construction, interpretation and performance of this Agreement shall be governed by and construed in accordance with the laws of the state in which this Agreement is to be performed, except for its conflicts of laws provisions. In addition, insofar as and to the extent federal law may apply, federal law will control.

29.6 Taxes

29.6.1. In General. With respect to any purchase hereunder of services, facilities or arrangements, if any federal, state or local tax, fee, surcharge or other tax-like charge (a "Tax") is required or permitted by Applicable Law to be collected from the purchasing Party by the providing Party, then (i) the providing Party shall properly bill the purchasing Party for such Tax, (ii) the purchasing Party shall timely remit such Tax to the providing Party and (iii) the providing Party shall timely remit such collected Tax to the applicable taxing authority.

29.6.2. Taxes Imposed on the Providing Party. With respect to any purchase hereunder of services, facilities or arrangements, if any federal, state or local Tax is imposed by Applicable Law on the receipts of the providing Party, which Law permits the providing Party to exclude certain receipts received from sales for resale to a public utility, distributor, telephone company, local exchange carrier, telecommunications company or other communications company ("Telecommunications Company"), such exclusion being based solely on the fact that the purchasing Party is also subject to a tax based upon receipts ("Receipts Tax"), then the purchasing Party (i) shall provide the providing Party with notice in writing in accordance with subsection 29.6.6 of this Agreement of its intent to pay the Receipts Tax and (ii) shall timely pay the Receipts Tax to the applicable tax authority.

29.6.3. Taxes Imposed on Customers. With respect to any purchase hereunder of services, facilities or arrangements that are resold to a third party, if any federal, state or local Tax is imposed by Applicable Law on the subscriber, end-user, Customer or ultimate consumer ("Subscriber") in connection with any such purchase, which a Telecommunications Company is

required to impose and/or collect from a Subscriber, then the purchasing Party (i) shall be required to impose and/or collect such Tax from the Subscriber and (ii) shall timely remit such Tax to the applicable taxing authority.

29.6.4. Liability for Uncollected Tax, Interest and Penalty. If the providing Party has not received an exemption certificate and fails to collect any Tax as required by subsection 29.6.1, then, as between the providing Party and the purchasing Party, (i) the purchasing Party shall remain liable for such uncollected Tax and (ii) the providing Party shall be liable for any interest assessed thereon and any penalty assessed with respect to such uncollected Tax by such authority. If the providing Party properly bills the purchasing Party for any Tax but the purchasing Party fails to remit such Tax to the providing Party as required by subsection 29.6.1, then, as between the providing Party and the purchasing Party, the purchasing Party shall be liable for such uncollected Tax and any interest assessed thereon, as well as any penalty assessed with respect to such uncollected Tax by the applicable taxing authority. If the providing Party does not collect any Tax as required by subsection 29.6.1 because the purchasing Party has provided such providing Party with an exemption certificate that is later found to be inadequate by a taxing authority, then, as between the providing Party and the purchasing Party, the purchasing Party shall be liable for such uncollected Tax and any interest assessed thereon, as well as any penalty assessed with respect to such uncollected Tax by the applicable taxing authority. If the purchasing Party fails to pay the Receipts Tax as required by subsection 29.6.2, then, as between the providing Party and the purchasing Party, (x) the providing Party shall be liable for any Tax imposed on its receipts and (y) the purchasing Party shall be liable for any interest assessed thereon and any penalty assessed upon the providing Party with respect to such Tax by such authority. If the purchasing Party fails to impose and/or collect any Tax from Subscribers as required by subsection 29.6.3, then, as between the providing Party and the purchasing Party, the purchasing Party shall remain liable for such uncollected Tax and any interest assessed thereon, as well as any penalty assessed with respect to such uncollected Tax by the applicable taxing authority. With respect to any Tax that the purchasing Party has agreed to pay, or is required to impose on and/or collect from Subscribers, the purchasing Party agrees to indemnify and hold the providing Party harmless on an after-tax basis for any costs incurred by the providing Party as a result of actions taken by the applicable taxing authority to recover the Tax from the providing Party due to the failure of the purchasing Party to timely pay, or collect and timely remit, such Tax to such authority. In the event either Party is audited by a taxing authority, the other Party agrees to cooperate fully with the Party being audited in order to respond to any audit inquiries in a proper and timely manner so that the audit and/or any resulting controversy may be resolved expeditiously.

29.6.5. Tax Exemptions and Exemption Certificates. If Applicable Law clearly exempts a purchase hereunder from a Tax, and if such Law also provides an exemption procedure, such as an exemption-certificate requirement, then, if the purchasing Party complies with such procedure, the providing Party shall not collect such Tax during the effective period of such exemption. Such exemption shall be effective upon receipt of the exemption certificate or affidavit in accordance with the terms set forth in subsection 29.6.6. If Applicable Law clearly exempts a purchase hereunder from a Tax, but does not also provide an exemption procedure, then the providing Party shall not collect such Tax if the purchasing Party (i) furnishes the providing Party with a letter signed by an officer requesting such an exemption and citing the

provision in the Law which clearly allows such exemption and (ii) supplies the providing Party with an indemnification agreement, reasonably acceptable to the providing Party (e.g., an agreement commonly used in the industry), which holds the providing Party harmless on an after-tax basis with respect to its forbearing to collect such Tax.

29.6.6. Notices for Purposes of this Subsection 29.6. All notices, affidavits, exemption-certificates or other communications required or permitted to be given by either Party to the other, for purposes of this subsection 29.6, shall be made in writing and shall be delivered in person or sent by certified mail, return receipt requested, or registered mail, or a courier service providing proof of service, and sent to the addressees set forth in subsection 29.10 as well as to the following:

To Bell Atlantic: Tax Administration
Bell Atlantic Network Services, Inc.
1717 Arch Street
30th Floor
Philadelphia, PA 19103

To ETC: Corporate Tax Department
Eastern Telelogic Corporation
630 Freedom Business Center, Suite 200
King of Prussia, PA 19406
Attention: Leon Goff

Either Party may from time to time designate another address or other addressees by giving notice in accordance with the terms of this subsection 29.6. Any notice or other communication shall be deemed to be given when received.

29.7 Assignment. Either Party may, with the other Party's prior written consent, assign this Agreement or any of its rights or obligations hereunder to a third party, including, without limitation its parent or other affiliate or, in the case of ETC, to CoreStates Bank, N.A., which consent shall not be unreasonably withheld upon the provision of reasonable evidence by the proposed assignee that it has the resources, ability, and authority to provide satisfactory performance under this Agreement. Any assignment or delegation in violation of this subsection 29.7 shall be void and ineffective and constitute a default of this Agreement.

29.8 Billing and Payment; Disputed Amounts.

29.8.1 Except as may otherwise be provided in this Agreement, each Party shall submit on a monthly basis an itemized statement of charges incurred by the other Party during the preceding month(s) for services rendered hereunder. Payment of billed amounts under this Agreement, whether billed on a monthly basis or as otherwise provided herein, shall be due, in immediately available U.S. funds, within thirty (30) days of the date of such statement.

29.8.2 Although it is the intent of both Parties to submit timely and accurate statements of charges, failure by either Party to present statements to the other Party in a timely

manner shall not constitute a breach or default, or a waiver of the right to payment of the incurred charges, by the billing Party under this Agreement, and the billed Party shall not be entitled to dispute the billing Party's statement(s) based on such Party's failure to submit them in a timely fashion.

29.8.3 If any portion of an amount due to a Party (the "Billing Party") under this Agreement is subject to a bona fide dispute between the Parties, the Party billed (the "Non-Paying Party") shall within sixty (60) days of its receipt of the invoice containing such disputed amount give notice to the Billing Party of the amounts it disputes ("Disputed Amounts") and include in such notice the specific details and reasons for disputing each item. The Non-Paying Party shall pay when due (i) all undisputed amounts to the Billing Party and (ii) the Disputed Amount up to the higher of \$10,000 or 50% of the Disputed Amount into an interest bearing escrow account with a third party escrow agent mutually agreed upon by the Parties. The remaining balance of the Disputed Amount not placed into escrow shall thereafter be paid, if appropriate, upon final determination of such dispute.

29.8.4 If the Parties are unable to resolve the issues related to the Disputed Amounts in the normal course of business within ninety (90) days after delivery to the Billing Party of notice of the Disputed Amounts, each of the Parties shall appoint a designated representative that has authority to settle the dispute and that 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. The specific format for such discussions will be left to the discretion of the designated representatives, however all reasonable requests for relevant information made by one Party to the other Party shall be honored.

29.8.5 If the Parties are unable to resolve issues related to the Disputed Amounts within forty-five (45) days after the Parties' appointment of designated representatives pursuant to subsection 29.8.4, then either Party may file a complaint with the Commission to resolve such issues or proceed with any other remedy pursuant to law or equity. The Commission may direct release of any or all funds (including any accrued interest) in the escrow account, plus applicable late fees, to be paid to either Party.

29.8.6 The Parties agree that all negotiations pursuant to this subsection 29.8 shall remain confidential and shall be treated as compromise and settlement negotiations for purposes of the Federal Rules of Evidence and state rules of evidence.

29.8.7 Any undisputed amounts not paid when due shall accrue interest from the date such amounts were due at the lesser of (i) one and one-half percent (1-1/2%) per month or (ii) the highest rate of interest that may be charged under applicable law.

29.9 Dispute Resolution. Any dispute between the Parties regarding the interpretation or enforcement of this Agreement or any of its terms shall be addressed by good faith negotiation between the Parties, in the first instance. Should such negotiations fail to resolve the dispute in a

reasonable time, either Party may initiate an appropriate action in any regulatory or judicial forum of competent jurisdiction.

29.10 Notices. Except as otherwise provided in this Agreement, notices given by one Party to the other Party under this Agreement shall be in writing and shall be (a) delivered personally, (b) delivered by express delivery service, (c) mailed, certified mail or first class U.S. mail postage prepaid, return receipt requested, or (d) delivered by telecopy to the following addresses of the Parties:

To ETC:

Eastern TeleLogic Corporation
630 Freedom Business Center
Suite 200
King of Prussia, PA 19406
Attn: Vice President of Marketing
Facsimile: 610/382-2222

To Bell Atlantic:

Director - Interconnection Services
Bell Atlantic Network Services, Inc.
1320 N. Courthouse Road
9th Floor
Arlington, VA 22201
Facsimile: 703/974-2183

with a copy to:

Vice President and General Counsel
Bell Atlantic - Pennsylvania, Inc.
1717 Arch Street
32nd Floor
Philadelphia, PA 19103
Facsimile: 215/563-2658

or to such other address as either Party shall designate by proper notice. Notices will be deemed given as of the earlier of (i) the date of actual receipt, (ii) the next business day when notice is sent via express mail or personal delivery, (iii) three (3) days after mailing in the case of first class or certified U.S. mail, or (iv) on the date set forth on the confirmation in the case of telecopy.

29.11 Section 252(i) Obligations.

29.11.1 To the extent required under Applicable Law, BA shall make available without unreasonable delay to ETC any individual interconnection, service or network element

contained in any agreement to which it is a party that is approved by the Commission pursuant to Section 252 of the Act, upon the same rates, terms, and conditions as those provided in the agreement. BA agrees to notify ETC of any such agreement once BA has filed it with the Commission for approval.

29.11.2 To the extent the exercise of the foregoing options requires a rearrangement of facilities by the providing Party, the opting Party shall be liable for the non-recurring charges associated therewith.

29.11.3 The Party electing to exercise such option shall do so by delivering written notice to the first Party. Upon receipt of said notice by the first Party, the Parties shall amend this Agreement to provide the same rates, terms and conditions to the notifying Party for the remaining term of this Agreement; provided, however, that the Party exercising its option under this subsection 29.11 must continue to provide the same services or arrangements to the first Party as required by this Agreement, subject either to the rates, terms, and conditions applicable to the first Party in its agreement with the third party or to the rates, terms, and conditions of this Agreement, whichever is more favorable to the first Party in its sole determination.

29.11.4 BA represents and warrants that, as of the date of this Agreement, it has not entered into any comparable Interconnection agreement with any other CLEC in BA's service territory that is significantly more favorable than the terms contained herein. BA makes no warranty or representation with respect to its Interconnection arrangements with its affiliates or ITCs.

29.12 Joint Work Product. This Agreement is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against either Party.

29.13 No Third Party Beneficiaries; Disclaimer of Agency. This Agreement is for the sole benefit of the Parties and their permitted assigns, and nothing herein express or implied shall create or be construed to create any third-party beneficiary rights hereunder. Except for provisions herein expressly authorizing a Party to act for another, nothing in this Agreement shall constitute a Party as a legal representative or agent of the other Party, nor shall a Party have the right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name or on behalf of the other Party unless otherwise expressly permitted by such other Party. Except as otherwise expressly provided in this Agreement, no Party undertakes to perform any obligation of the other Party, whether regulatory or contractual, or to assume any responsibility for the management of the other Party's business.

29.14 No License.

29.14.1 Nothing in this Agreement shall be construed as the grant of a license, either express or implied, with respect to any patent, copyright, trademark, trade name, trade secret or any other proprietary or intellectual property now or hereafter owned, controlled or licensable by either Party. Neither Party may use any patent, copyrightable materials, trademark, trade name, trade secret

or other intellectual property right of the other Party except in accordance with the terms of a separate license agreement between the Parties granting such rights.

29.14.2 Neither Party shall have any obligation to defend, indemnify or hold harmless, or acquire any license or right for the benefit of, or owe any other obligation or have any liability to, the other Party or its customers based on or arising from any claim, demand, or proceeding by any third party alleging or asserting that the use of any circuit, apparatus, or system, or the use of any software, or the performance of any service or method, or the provision of any facilities by either Party under this Agreement, alone or in combination with that of the other Party, constitutes direct, vicarious or contributory infringement or inducement to infringe, misuse or misappropriation of any patent, copyright, trademark, trade secret, or any other proprietary or intellectual property right of any Party or third party. Each Party, however, shall offer to the other reasonable cooperation and assistance in the defense of any such claim.

29.14.3 NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, THE PARTIES AGREE THAT NEITHER PARTY HAS MADE, AND THAT THERE DOES NOT EXIST, ANY WARRANTY, EXPRESS OR IMPLIED, THAT THE USE BY THE PARTIES OF THE OTHER'S FACILITIES, ARRANGEMENTS, OR SERVICES PROVIDED UNDER THIS AGREEMENT SHALL NOT GIVE RISE TO A CLAIM BY ANY THIRD PARTY OF INFRINGEMENT, MISUSE, OR MISAPPROPRIATION OF ANY INTELLECTUAL PROPERTY RIGHT OF SUCH THIRD PARTY.

29.15 Technology Upgrades. Nothing in this Agreement shall limit BA's ability to upgrade its network through the incorporation of new equipment, new software or otherwise. BA shall provide ETC written notice at least ninety (90) days prior to the incorporation of any such upgrades in BA's network that will materially affect ETC's service. ETC shall be solely responsible for the cost and effort of accommodating such changes in its own network.

29.16 Survival. The Parties' obligations under this Agreement which by their nature are intended to continue beyond the termination or expiration of this Agreement shall survive the termination or expiration of this Agreement.

29.17 Entire Agreement. The terms contained in this Agreement and any Schedules, Exhibits, tariffs and other documents or instruments referred to herein, which are incorporated into this Agreement by this reference, constitute the entire agreement between the Parties with respect to the subject matter hereof, superseding all prior understandings, proposals and other communications, oral or written. Neither Party shall be bound by any preprinted terms additional to or different from those in this Agreement that may appear subsequently in the other Party's form documents, purchase orders, quotations, acknowledgments, invoices or other communications.

29.18. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

29.19 Modification, Amendment, Supplement, or Waiver. No modification, amendment, supplement to, or waiver of the Agreement or any of its provisions shall be effective and binding upon the Parties unless it is made in writing and duly signed by the Parties. A failure or delay of either Party to enforce any of the provisions hereof, to exercise any option which is herein provided, or to require performance of any of the provisions hereof shall in no way be construed to be a waiver of such provisions or options.

29.20 Successors and Assigns. This Agreement shall be binding on and inure to the benefit of the Parties and their respective legal successors and permitted assigns.

29.21 Publicity. Neither Party shall use the name of the other Party in connection with this Agreement in a press release or statement without the prior consent of the other Party, which consent shall not be unreasonably withheld.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed as of this 13th day of September, 1996.

EASTERN TELELOGIC
CORPORATION

BELL ATLANTIC-
PENNSYLVANIA, INC.

By: _____

By: _____

Printed: _____

Printed: _____

Title: _____

Title: _____

SCHEDULE 1.0

CERTAIN TERMS AS DEFINED IN THE ACT AS OF SEPTEMBER 13, 1996

“Dialing Parity” means that a person that is not an affiliate of a local exchange carrier is able to provide Telecommunications Services in such a manner that Customers have the ability to route automatically, without the use of any access code, their Telecommunications to the Telecommunications Services provider of the customer’s designation from among two (2) or more Telecommunications Services providers (including such LEC).

“Exchange Access” means the offering of access to Telephone Exchange Services or facilities for the purpose of the origination or termination of Telephone Toll Services.

“InterLATA” means Telecommunications between a point located in a local access and transport area and a point located outside such area.

“Local Access and Transport Area” or “LATA” means a contiguous geographic area: (a) established before the date of enactment of the Act by a Bell operating company such that no Exchange Area includes points within more than one (1) metropolitan statistical area, consolidated metropolitan statistical area, or State, except as expressly permitted under the AT&T Consent Decree; or (b) established or modified by a Bell operating company after such date of enactment and approved by the FCC.

“Local Exchange Carrier” means any person that is engaged in the provision of Telephone Exchange Service or Exchange Access. Such term does not include a person insofar as such person is engaged in the provision of a commercial mobile service under Section 332(c) of the Act, except to the extent that the FCC finds that such service should be included in the definition of such term.

“Network Element” means a facility or equipment used in the provision of a Telecommunications Service. Such term also includes features, functions, and capabilities that are provided by means of such facility or equipment, including subscriber numbers, databases, signaling systems, and information sufficient for billing and collection or used in the transmission, routing, or other provision of a Telecommunications Service.

“Number Portability” means the ability of end users of telecommunications services to retain, at the same location, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one telecommunications carrier to another.

“Telecommunications” means the transmission, between or among points specified by the user, of information of the user’s choosing, without change in the form or content of the information as sent and received.

“Telecommunications Carrier” means any provider of Telecommunications Services, except that such term does not include aggregators of Telecommunications Services (as defined in Section 226 of the Communications Act).

“Telecommunications Service” means the offering of Telecommunications for a fee directly to the public, or to such classes of users as to be effectively available directly to the public, regardless of the facilities used.

“Telephone Exchange Service” means (a) service within a telephone exchange or within a connected system of telephone exchanges within the same exchange area operated to furnish subscribers intercommunicating service of the character ordinarily furnished by a single exchange, and which is covered by the exchange service charge, or (b) comparable service provided through a system of switches, transmission equipment, or other facilities (or combination thereof) by which a subscriber can originate and terminate a telecommunications service.

“Telephone Toll Service” means telephone service between stations in different exchange areas for which there is made a separate charge not included in contracts with subscribers for exchange service.

SCHEDULE 3.0

INITIAL NETWORK IMPLEMENTATION SCHEDULE FOR PENNSYLVANIA

In accordance with the provisions of Section 3 of the Agreement, the Parties shall make their best efforts to meet the following initial Milestones no later than the listed Dates.

LATA in Pennsylvania	Milestone	Date
LATA 228	LATA Start Date	Done
	SS7 Certification, Collocation, Operator Services/DA Facilities, and NXX(s) Applied For	Done
	Parties Agree on Trunking Arrangements for Traffic Exchange	Done
	Valid Access Service Request(s) (“ASRs”) for Traffic Exchange Trunk Groups and Routing Information Received by BA	Done
	Valid Orders for 911 Facilities Received by BA	Done
	All Trunks (Traffic Exchange, Operator Services/DA, 911) Tested and Turned Up; SS7 Certification Achieved ¹	9/15/96
	Collocation Arrangements Complete for Trunk Interconnection and Access to Network Elements ²	11/1/96
	Arrangements for Alternate-Billed Calls Agreed Upon	10/1/96
	Call-through Testing Completed; “Interconnection Activation Date”	11/15/96

Failure of a Party or the Parties to meet an earlier Milestone Date shall not relieve either Party of the responsibility to make its best efforts to meet subsequent Milestone Date(s) in the LATA, unless, and only to the extent that, the subsequent Milestone Date(s) depend on the timely completion of such earlier Milestone Date.

For purposes of Section 3, (i) business Telephone Exchange Service shall be considered “fully operational” in a LATA in Pennsylvania when ETC has an effective Tariff for business Telephone Exchange Service in Pennsylvania and has a significant number of Telephone Exchange Service Customer lines in service for business Telephone Exchange Service Customers in that LATA in Pennsylvania that are not affiliates or employees of either BA or ETC, and (ii) residential Telephone Exchange Service shall be considered “fully operational” in a LATA in Pennsylvania when ETC has an effective Tariff for residential Telephone Exchange Service in Pennsylvania and has a significant number of Telephone Exchange Service Customer

¹ SS7 certification scheduling depends on actual schedule availability at time of request.

² Intervals for IDLC collocation arrangements for VG ULL capability are 60 days for Virtual Collocation and 120 days for Physical Collocation from the date the arrangement is applied for.

lines in service for residential Telephone Exchange Service Customers in that LATA in Pennsylvania that are not affiliates or employees of either BA or ETC.

SCHEDULE 4.0

Eastern TeleLogic Interconnection Points Pennsylvania

- 1) Philadelphia
2130 Arch Street
Philadelphia, PA 19 103

Bell Atlantic Interconnection Points Pennsylvania

- 1) Ambler
1260 Virginia Drive
Fort Washington, PA 19034
- 2) Bala Cynwyd
333 City Line Avenue
Bala Cynwyd, PA 19004
- 3) Paoli
1000 Westlakes Drive
Bewyn, PA 19312
- 4) King of Prussia
630 Freedom Business Center
King of Prussia, PA 19406
- 5) Hatboro
29 East Moreland Avenue
Hatboro, PA 19040
- 6) Locust
1631 Arch Street
Philadelphia, PA 19 103

SCHEDULE 4.5

INTERCONNECTION POINTS FOR DIFFERENT TYPES OF TRAFFIC

Each Party shall provide the other Party with Interconnection to its network at the following points for transmission, routing and termination. Each Party shall make available at its Interconnection Points facilities to route the traffic it receives to the appropriate final destination. Interconnection at a BA-IP that is a Local Serving Wire Center provides access to all of the Interconnection Points identified below (except for paragraphs 8 through 11), via facilities appropriate for the traffic types and destinations identified below. Compensation for such facilities will be as set forth in Exhibit A or as provided elsewhere herein.

1. For the termination of Local Traffic or Toll Traffic originated by one Party's Customer and terminated to the other Party's Customer, at the points set forth in subsections 4.2 and/or 4.3 of the main body of the Agreement.
2. For the termination of Meet Point Billing Traffic Traffic from an IXC to:
 - (a) ETC, at the ETC-IP in LATA in which the Traffic is to terminate.
 - (b) BA, at the BA-IP in LATA in which the Traffic is to terminate.
3. For the termination of Transit Traffic from an ITC, wireless carrier, or other CLEC to:
 - (a) ETC, at the ETC-IP in which the Traffic is to terminate.
 - (b) BA, at the BA-IP in LATA in which the Traffic is to terminate.
4. For 911/E911 traffic originated on ETC's network, at the PSAP in areas where only Basic 911 service is available, or at the BA 911 Tandem Office serving the area in which the ETC Customer is located, in accordance with applicable state laws and regulations and PSAP requirements.
5. For Directory Assistance (411 or NPA-555-1212) traffic, at the applicable BA Local Serving Wire Center or the BA operator services Tandem Office subtended by such Local Serving Wire Center.
6. For Operator Services (call completion) traffic, at the applicable BA Local Serving Wire Center or the BA operator services Tandem Office subtended by such Local Serving Wire Center.
7. For LSV/VCI traffic, at the terminating Party's Local Serving Wire Center or operator services Tandem Office subtended by such Local Serving Wire Center.
8. For SS7 signaling originated by:

(a) ETC, at mutually agreed-upon Signaling Point of Interconnection(s) (“SPOI”) in the LATA in which the Local or Toll Traffic originates, over CCSAC links provisioned in accordance with Bellcore GR-905 and Bell Atlantic Supplement Common Channel Signaling Network Interface Specification (BA_905).

(b) BA, at mutually agreed-upon SPOIs in the LATA in which the Local or Toll Traffic originates, over a CCSAC links provisioned in accordance with Bellcore GR-905 and BA-905.

Alternatively, either Party may elect to interconnect for SS7 signaling through a commercial SS7 hub provider.

9. For 800/888 database inquiry traffic, at any BA Signaling Transfer Point in the LATA in which the originating ETC Wire Center is located, over a CCSAC link. Alternatively, ETC may elect to interconnect through a commercial SS7 hub provider.

10. For Line Information Database (“LIDB”) inquiry traffic, at any BA Signaling Transfer Point in the LATA in which the LIDB is located, over a CCSAC link. Alternatively, ETC may elect to interconnect through a commercial SS7 hub provider.

11. For any other type of traffic, at reasonable points to be agreed upon by the Parties, based on the network architecture of the terminating Party’s network.

SCHEDULE 6.3

RATE ELEMENTS UNDER MEET POINT BILLING

Interstate Access - Terminating to or originating from ETC Customers

<u>Rate Element</u>	<u>Billing Company</u>
Carrier Common Line	ETC
Local Switching	ETC
Interconnection Charge	ETC
Local Transport Facility/ Tandem Switched Transport Per Mile	Based on negotiated billing percentage (BIP)
Tandem Switching	BA
Local Transport Termination/ Tandem Switched Transport Fixed	BA
Entrance Facility	BA
800 Database Query	Party that performs query

Intrastate Access - Terminating to or originating from ETC Customers (Pre-LTR tariff)

<u>Rate Element</u>	<u>Billing Company</u>
Carrier Common Line	ETC
Local Switching	ETC
Transport	Based on negotiated billing percentage (BIP)

Intrastate Access - Terminating to or originating from ETC Customers (Post-LTR tariff)

<u>Rate Element</u>	<u>Billing Company</u>
Carrier Common Line	ETC
Local Switching	ETC
Interconnection Charge	ETC
Local Transport Facility/ Tandem Switched Transport Per Mile	Based on negotiated billing percentage (BIP)
Tandem Switching	BA
Local Transport Termination/ Tandem Switched Transport Fixed	BA
Entrance Facility	BA
800 Database Query	Party that performs query

SCHEDULE 27.0

PERFORMANCE INTERVAL DATES FOR SPECIFIED ACTIVITIES

SPECIFIED ACTIVITY	PERFORMANCE INTERVAL DATE²
(i) <u>Unbundled Local Loop Installation</u>¹	
1-10 Loops per service order	6 business days from BA's receipt of valid service order
11-20 Loops per service order	10 business days from BA's receipt of valid service order
21 + Loops per service order	To be negotiated on order-by-order basis
(ii) <u>Interim Number Portability Installation</u>	
1-10 Numbers per service order	6 business days from BA's receipt of valid service order
11-20 Numbers per service order	10 days from BA's receipt of valid service order
21 + Numbers per service order	To be negotiated on order-by-order basis
(iii) <u>Out-of-Service Repairs</u>	Less than 24 hours from BA's receipt of notification of out-of-service condition

¹ The Unbundled Loop Installation intervals set forth in this Schedule 27.0 apply only to ULLs offered by BA as of the date of this Agreement. Installation intervals for new ULLs will be developed by the Parties as such ULLs become available.

² Unless otherwise agreed to by the Parties, in which case the Performance Interval Date shall be extended until the agreed-upon date. Notwithstanding the Performance Interval Dates contained in this Schedule 27.0, under no circumstances will BA be obligated to extend installation, provision, or repair intervals to ETC that are more favorable than BA extends to its own customers for comparable services.

SCHEDULE 27.1

ETC SERVICE QUALITY STANDARDS

1.0 Unbundled Local Loop Installation Orders

1.1 All order information submitted by ETC is valid (e.g. street address, floor/unit number, cable pair assignment, etc.).

1.2 Customer (end user) is available at appointed time and day.

2.0 “Live” Cutover Unbundled Local Loop Installation Orders (pursuant to Section 11.6)

2.1 Accurate account and end user information submitted on service request.

2.2 Accurate tie cable and pair assignment provided by ETC on service request.

BELL ATLANTIC-PENNSYLVANIA, INC. AND EASTERN TELELOGIC CORPORATION

DETAILED SCHEDULE OF ITEMIZED CHARGES¹

A. BA Services, Facilities, and Arrangements:

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.a.	Entrance facilities, and transport, as appropriate, for Interconnection at BA End Office, Tandem Office, Serving Wire Center, or other Point of Interconnection	Per interstate [BA FCC #1 sec. 6.9.1.] and (pending) intrastate [BA-PA PUC 302 sec. 6.9.2] access tariffs for Feature Group D service ² Illustrative: Interstate non-recurring: \$1, plus \$1 switched access connection charge per trunk; DS-1 entrance facility \$210-\$212/mo. Intrastate nonrecurring: \$930 for first DS-1, \$290 for additional, plus \$20 switched access connection charge per trunk; DS-1 entrance facility \$210-\$270/mo.	
1.b.	Collocation and related services for Interconnection at BA End Office, Tandem Office, or Serving Wire Center	Per interstate [BA FCC 1 sec. 19], intrastate access tariff [BA PA PUC 302 sec. 16, and pending intrastate access tariffs ³	

¹ Rates listed herein for services, facilities, or arrangements that are marked with an asterisk (*) are fixed pursuant to Section 20 of the Agreement for the initial term of the Agreement, as set forth in Section 22 of the Agreement. Rates for services, facilities, or arrangements that are not marked with an asterisk shall change in accordance with the provisions of Section 20 of the Agreement.

All rates set forth herein, as applied to unbundled Network Elements or call transport and/or termination of Local Traffic purchased for the provision of Telephone Exchange Service or Exchange Access, shall be interim rates. These interim rates shall be replaced on a prospective basis by such TELRIC-based permanent rates (applicable to unbundled Network Elements or call transport and/or termination of Local Traffic purchased for the provision of Telephone Exchange Service or Exchange Access) as may be approved by the Commission pursuant to the FCC Regulations. At such time as such TELRIC-based permanent rates have been approved by the Commission, the Parties shall append to this Exhibit an Exhibit AA, setting forth such rates, which Exhibit AA the Parties shall update periodically as necessary.

² Pending approval of the BA intrastate local transport restructure tariff, intrastate access services subject to the pending tariff will be charged pursuant to effective tariffs, as agreed by the Parties, subject to true-up at either Party's request.

³ Pending approval of the BA intrastate collocation tariff to be filed no later December 31, 1996, all collocation services shall be charged at rates found in BA FCC 1 sec. 19 or BA-PA PUC 302 sec. 16.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.c.	Transit arrangements (for Interconnection between ETC and carriers other than BA)	Per tariffs cited in sections 1.a. and 1.b. above, as applicable; separate trunks required for IXC subtending trunks ⁴	Per interstate [BA FCC 1 sec. 6.9.1.B] and pending intrastate [BA-PA PUC 302 sec. 6.9.2.B] for tandem switching and tandem switched transport, as applicable ⁵ Illustrative: Interstate, proposed intrastate tandem switching \$.000999/mou, tandem switched transport \$.000195/mou plus \$.000045/mou/mile
1.d.	911 Interconnection	Per intrastate tariff BA-PA PUC 1.2.C, 216, and 304.	

⁴ See note 2 above.

⁵ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.e.	Directory assistance transport	Intrastate per BA-PA PUC 302 sec. 9.6.B (transport) ⁶ Interstate per BA FCC 1 sec. 9.6.B	Intrastate per pending BA-PA PUC 302 sec. 9.6.B; Illustrative: Per call rate \$.000091 fixed, \$.000021 per mile, \$.000462 tandem switching. ⁷ Interstate per BA FCC 1 sec. 9.6.B Illustrative: Per call rate \$.000082 fixed, \$.000019 per mile, \$.000353 tandem switching, \$.002311 interconnection
1.f.	Operator services (call completion) Transport	Per contract attached hereto	
2.	Unbundled elements	Available as listed herein and in interstate and intrastate tariffs, and pursuant to Section 11 of the Agreement	

⁶ See note 2 above.

⁷ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
3.	Poles, ducts, conduits, ROW	Per contract rates pursuant to 47 U.S.C. sec. 224 Illustrative: Duct: \$5.45/foot/yr. Pole: \$3.98/attachment./yr.	
4.a.	Local loop transmission* Unbundled Local Loop Element Cross Connection to POTS loop Unbundled Local Loop Element and cross-connect for loops other than POTS	Pre-interim rates ⁸ will apply until either Commission-approved interim proxy rates or TELRIC-based permanent rates are determined. To be determined in accordance with Section 11.1 of the Agreement	Pre-interim rates ⁹ will apply until either Commission-approved interim proxy rates or TELRIC-based permanent rates are determined. To be determined in accordance with Section 11.1 of the Agreement
4.b.	Special construction charges	As applicable per BA-PA PUC 1 sec. 9	
4.c.1	Service Technician Charges (Maintenance Service Charges) (service technician work on unbundled loops outside of the central office)	Per intrastate tariff BA-PA PUC No. 1, sec. 22A.B.3 Illustrative: Initial visit charge \$37.25 Work charge (per quarter hour) \$11.00	

⁸ Pre-interim rates will be based on the following order of precedence: (i) Commission-approved interim proxy rates, (ii) mutual agreement of the Parties, (iii) other BA ILEC-CLEC Interconnection Agreement(s) in the state, (iv) effective or filed tariff(s), or (v) any Commission recommendation.

⁹ Pre-interim rates will be based on the following order of precedence: (i) Commission-approved interim proxy rates, (ii) mutual agreement of the Parties, (iii) other BA ILEC-CLEC Interconnection Agreement(s) in the state, (iv) effective or filed tariff(s), or (v) any Commission recommendation.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
4.c.2	Central office technician charges	Per interstate BA FCC 1 sec. 19.7.7 tariff. <u>Normal Working Hours:</u> First 1/2 hour or fraction thereof \$90.00/technician Each Additional 1/2 hour or fraction thereof \$30.00/technician <u>Overtime:</u> First 1/2 hour or fraction thereof \$100.00/technician Each Additional 1/2 hour or fraction thereof \$40.00/technician <u>Premium Time:</u> First 1/2 hour or fraction thereof \$120.00/technician Each Additional 1/2 hour or fraction thereof \$50.00/technician	
5.a.	Trunk Side local transport DS-1 transport	Per interstate [BA FCC 1 sec. 6.9.1.C] and (proposed) intrastate [BA-PA PUC 302 sec. 6.9.2.C] tariffs ¹⁰ Illustrative recurring: Interstate \$60/mo fixed, \$17.70/mile/mo Intrastate \$75/mo fixed, \$25/mile/mo	
5.b.	DS-3 transport	Tariff reference see 5.a. above. Illustrative recurring: Interstate, intrastate \$900/mo fixed, \$180/mile/mo	
5.c.	Mid-span meet arrangements	To be charged in accordance with the requirements of Section 4.3 of the Agreement	

¹⁰ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
6.	Local switching* Unbundled Switching Element POTS switch Port	\$6/service order per line to establish or modify service \$6/service order plus \$6/Port	\$0.004/mou of local switch usage \$1.50/mo
7.a.	Operator services 911 service (data entry; database maintenance)*	No charge	
7.b.	Directory assistance	Per separate contract; branding available Directory transport per section 1.e. above	
7.c.	Operator call completion	Per separate contract; branding available	
8.a.	White pages and Yellow Pages (business only) directory listings*	\$5.00 per primary listing per number	No charge
8.b.	Books & delivery (annual home area directories only)*	No charge for normal numbers of books delivered to end users; bulk deliveries to CLEC per separate arrangement	
8.c.	Additional listings, changes to listings, non-listed, non-published, and other extra services	Per tariff [BA-PA PUC 1 sec. 5.B] Illustrative: Additional listing: \$12.00 residence; \$15.00(1st), \$9.00 (additional) business Non-list: \$15.00 residence or business Non-published: \$15.00 residence or business	Per tariff [BA-PA PUC 1 sec. 5.B] Illustrative: Additional listing: \$1.25/mo residence, \$2.05/mo business Non-list: \$1.25/mo residence or business Non-published: \$1.75/mo residence or business
9.	Access to telephone numbers (NXX codes issued per ICCF Code Administration Guidelines)*	No charge	

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
10.a	SS7 Interconnection	Per interstate [BA FCC 1 sec. 6.9.1.G] and intrastate [BA-PA PUC 302 sec. 6.9.2.C] tariff	Per interstate [BA FCC 1 sec. 6.9.1.L] and intrastate [BA-PA PUC sec. 6.9.2.I] tariff Illustrative: Interstate: STP ports, 900/mo.; STP access, 3.50/mile/mo. Intrastate: STP ports, \$932.58/mo.; STP access, \$4.00/mile/mo.
10.b	LIDB Interconnection	Per tariff [BA FCC 1 sec. 6.9.1M] Illustrative: Originating point code, \$125	Per tariff [BA FCC 1 sec. 6.9.1M] Illustrative: Query validation \$.04/query Query transport \$.0002/query

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
10.c	800/888 data base Interconnection	No separate charge (included in FGD trunk and STP links)	Per interstate [BA FCC 1 sec. 6.9.1.N], and intrastate [BA- PA PUC 302 sec. 6.9.2.J] tariffs Illustrative: Interstate basic query, \$.003105/query; vertical feature package, \$.000337/query Intrastate basic query, \$.003089/query; vertical feature package, \$.000327/query
11.a	Interim number portability through co-carrier call forwarding*	\$5.00/service order \$4.00/installation/ number at same location	\$1.50/month/porting number
11.b	Access pass-through to number portability purchaser*		In accordance with Section 14.5 of Agreement
12.	Local dialing parity*	No charge	
13.a	Reciprocal call termination Local Traffic delivered to Bell Atlantic Interconnection Point*		\$.003/mou End Office Termination \$.005/mou Tandem Termination Charged in accord- ance with note 13 below

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
13.b	Access charges for termination of intrastate and interstate Toll Traffic		Per interstate and intrastate access tariffs (charged in conjunction with Local Traffic, using PLU and PIU, as appropriate)
14.a	Wholesale rates for resale of telecommunications services provided to end users* ¹¹	<u>Percentage discount from retail tariff</u> ¹²	
14.b	Resale of retail telecommunications services if ETC provides its own operator services. *	14.56% discount	
14.c	Resale of retail telecommunications services if ETC uses BA operator services.*	12.58% discount	

¹¹ Excludes telecommunications services designed primarily for wholesale, such as switched and special access, and, subject to Section 12 of the Agreement, the following additional arrangements that are not subject to resale: limited duration (90 days or less) promotional offerings, public coin telephone service, and technical and market trials. Taxes shall be collected and remitted by the reseller and BA in accordance with legal requirements and as agreed between the Parties. Surcharges (e.g., 911, telecommunications relay service, universal service fund) shall be collected by the reseller and either remitted to the recipient agency or NECA, or passed through to BA for remittance to the recipient agency or NECA, as appropriate and agreed between the Parties. End user common line charges shall be collected by the reseller and remitted to BA.

¹² Pending establishment of mechanized billing procedures adapted to resale, the Parties will agree upon a composite “bottom-of-the-bill” discount that reflects the discounts and exclusions identified herein, and such other adjustments as the Parties agree.

B. ETC Services, Facilities, and Arrangements:

	<u>ETC Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.a.	Interim Number Portability through co-carrier call forwarding* Number portability*	\$5.00/service order \$4.00/installation/ number at same location	1.50/month/ported number
1.b	Access pass-through to number portability purchaser*		In accordance with sec. 14.5 of Agreement
2.	Local dialing parity*	No charge	
3.a	Reciprocal call termination Local Traffic delivered to ETC Interconnection Point *		Calculated in accordance with note 13 below
3.b	Access charges for termination of intrastate and interstate Toll Traffic		Per ETC interstate and intrastate access rates (charged in conjunction with Local Traffic, using PLU and PIU, as appropriate)
4.	All other ETC services available to BA for purposes of effectuating local exchange competition	Available at ETC tariffed or otherwise generally available rates, not to exceed BA rates for equivalent services available to ETC	
5.	Other Services Information Service Billing Fee	No Charge	\$.03 per call

A. Charges by BA

(a) Traffic delivered to BA Local Serving Wire Center ("LSWC") or BA Access Tandem: \$.005 per mou

(b) Traffic delivered directly to terminating BA End Office: \$.003 per mou

B. Charges by ETC

1. Single-tiered interconnection structure:

ETC's rates for the termination of BA's Local Traffic under the single-tiered interconnection structure shall be recalculated once each year on each anniversary of the Effective Date (the "Rate Determination Date"). The methodology for recalculating the rates is as follows:

LSWC/Access Tandem Minutes = Total minutes of use of Local Traffic delivered by ETC to the BA LSWC or BA Access Tandem for most recent billed quarter.

End Office Minutes = Total minutes of use Local Traffic delivered by ETC directly to the terminating BA End Office for most recent billed quarter.

Total Minutes = Total minutes of use of Local Traffic delivered by ETC to BA for most recent billed quarter.

ETC Charge at the ETC-IP =

$$\frac{(LSWC/Access Tandem Minutes \times \$.005) + (End Office Minutes \times \$.003)}{Total Minutes}$$

For the first year after the Effective Date, the ETC charge shall be calculated based on the traffic data of the quarter immediately preceding such Effective Date.

2. Multiple-tiered interconnection structure (if offered by ETC to any carrier)

(a) Local Traffic delivered to ETC LSWC or ETC Access Tandem: \$.005

(b) Local Traffic delivered to terminating ETC End Office/node: \$.003

C. Miscellaneous Notes

1. In the event a Party desires to deliver Local Traffic to a LSWC (i) that is not located within 25 miles of the Tandem Office to which it is subtended, or (ii) where the Tandem Office that it subtends is not located within 25 miles of the Tandem Office that is subtended by the terminating End Office, or (iii) that is not located within 25 miles of the Tandem Office that is subtended by the terminating End Office, then such Party shall (x) in addition to paying the LSWC/Access Tandem termination rate described above, purchase the necessary facilities from the terminating Party to transport such Traffic to a qualifying LSWC or Access Tandem that is not subject to any of conditions (i), (ii), or (iii) above, (y) purchase such other service(s) as the terminating Party may offer under applicable tariff to remedy such condition(s), or (z) enter into a new compensation arrangement as the Parties may agree. Notwithstanding the foregoing, nothing in this Agreement shall obligate BA to provide switching services at a LSWC when it functions as such.

2. In the event the two-tiered rate structure described above is modified pursuant to Applicable Law to a single rate structure, BA and ETC (to the extent ETC is offering a multiple-tiered interconnection structure) shall each have the right to apply its tariffed switched access transport charges for transporting Local Traffic it receives at its LSWC to the first point of switching in its network in the LATA.

3. The ETC termination rate under the single-tiered interconnection structure set forth above is intended by the Parties to be a Local Traffic termination rate for Interconnection to the ETC-IP within each LATA that is reciprocal and equal to the actual rates that will be charged by BA to ETC under the two-tiered Local Traffic termination rate structure described above that will apply after the first anniversary of the Effective Date. The single ETC termination rate is also intended to provide financial incentives to ETC to deliver traffic directly to BA's terminating End Offices once ETC's traffic volumes reach an appropriate threshold. The Parties agree that the Reciprocal Compensation rate(s) set forth herein recover a reasonable approximation of each Party's additional costs of terminating calls that originate on the network facilities of the other Party.

EXHIBIT B

NETWORK ELEMENT BONA FIDE REQUEST

1. Each Party shall promptly consider and analyze access to a new unbundled Network Element with the submission of a Network Element Bona Fide Request hereunder. The Network Element Bona Fide Request process set forth herein does not apply to those services requested pursuant to Report & Order and Notice of Proposed Rulemaking 91-141 (rel. October 19, 1992), Paragraph 259 and Footnote 603 or subsequent orders.

2. A Network Element Bona Fide Request shall be submitted in writing and shall include a technical description of each requested Network Element, the telecommunications service(s) to be provided by the requesting Party using the requested Network Element(s), the means of Interconnection, the number or volume requested, the locations, and the date(s) such Network Elements are desired. The requesting Party shall either make a binding commitment to order the Network Elements requested in the quantity and within the time frame requested or to pay the requested Party the costs of processing the Requests.

3. The requesting Party may cancel a Network Element Bona Fide Request at any time, but shall pay the other Party's reasonable and demonstrable costs of processing and/or implementing the Network Element Bona Fide Request up to the date of cancellation.

4. Within ten (10) business days of its receipt, the receiving Party shall acknowledge receipt of the Network Element Bona Fide Request.

5. Except under extraordinary circumstances, within thirty (30) days of its receipt of a Network Element Bona Fide Request, the receiving Party shall provide to the requesting Party a preliminary analysis of such Network Element Bona Fide Request. The preliminary analysis shall confirm that the receiving Party will offer access to the Network Element or will provide a detailed explanation that access to the Network Element is not technically feasible and/or that the request does not qualify as a Network Element that is required to be provided under the Act.

6. If the receiving Party determines that the Network Element Bona Fide Request is technically feasible and otherwise qualifies under the Act, it shall promptly proceed with developing the requested Network Element upon receipt of written authorization from the requesting Party. When it receives such authorization, the receiving Party shall promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.

7. Unless the Parties otherwise agree, the requested Network Element must be priced in accordance with Section 252(d)(1) of the Act.

8. As soon as feasible, but not more than ninety (90) days after its receipt of authorization to proceed with developing the requested Network Element, the receiving Party shall provide to the requesting Party a Network Element Bona Fide Request quote which

will include, at a minimum, a description of each Network Element, the availability, the applicable rates and the installation intervals.

9. Within thirty (30) days of its receipt of the Network Element Bona Fide Request quote, the requesting Party must either confirm its order for the requested Network Element pursuant to the Network Element Bona Fide Request quote or seek arbitration by the Commission pursuant to Section 252 of the Act.

10. If a Party to a Network Element Bona Fide Request believes that the other Party is not requesting, negotiating or processing the Network Element Bona Fide Request in good faith, or disputes a determination, or price or cost quote, or is failing to act in accordance with section 251 of the Act, such Party may seek mediation or arbitration by the Commission pursuant to Section 252 of the Act .

EXHIBIT C

DIRECTORY ASSISTANCE AND CALL COMPLETION SERVICES AGREEMENT

THIS AGREEMENT is made, effective this ____ day of _____, 1996, by and between **Bell Atlantic Network Services, Inc.** (hereinafter referred to as "Bell Atlantic"), a Delaware corporation with offices at 13100 Columbia Pike, Silver Spring, MD 20904, and _____, (hereinafter referred to as "Carrier"), a _____ corporation with offices at _____.

1. SCOPE AND TERM OF AGREEMENT

1.1 Scope This Agreement sets forth the terms and conditions which shall govern the use of and payment for Directory Assistance (DA) Service and IntraLATA Call Completion Service (hereinafter collectively referred to as "Services") to be provided by Bell Atlantic, or its affiliated companies, to Carrier. Carrier shall subscribe to and pay for Services for Carrier's local exchange customers in the _____ LATAs.

1.2 Term The initial term of this Agreement shall commence as of 12:01 a.m. on the date first written above and shall expire upon the conclusion of the subscription period selected by Carrier in Appendix A. At the end of this initial term, this Agreement, including Carrier's subscription to Services, shall automatically renew for the same length of time as the initial subscription period unless either party provides written notice to the other of its intent to terminate at least three (3) months prior to the expiration of the current term.

2. DESCRIPTION OF SERVICES

2.1 Directory Assistance (DA) Service

a. Directory Assistance Service shall consist of 1) directory transport by Bell Atlantic from the point of Bell Atlantic's interconnection with Carrier's trunks to Bell Atlantic's designated DA locations, and 2) the provision of telephone number listings by Bell Atlantic Carrier Call Representatives (CCRs) in response to calls from Carrier's local exchange customers located in the LATAs designated in Section 1.1, at the rates specified in Appendix A.

b. A maximum of two requests for telephone numbers will be accepted per DA call. A "DA call" as used in this Agreement shall mean a call answered by or forwarded to Bell Atlantic, regardless of whether a telephone number is requested, provided or available. The listings that will be available to Carrier's customers are those telephone numbers that are listed in Bell Atlantic's DA records for the LATAs or NPAs designated in Section 1.1.

2.2 Connect ReQuestsm Service

a) Connect ReQuestsm Service is an optional DA call completion service. It provides Directory Assistance end users the option of placing a call to a requested DA listing without having to hang up and redial. If a caller requests two numbers on a DA call, only the second number will be completed using Connect ReQuestsm.

b) Connect ReQuestsm requires that the Carrier meet switching, facility, and other technical standards as required by Bell Atlantic to provide this Service. Bell Atlantic will deliver all Connect ReQuestsm calls back to the Carrier for completion.

2.3 IntraLATA Call Completion Service

a) IntraLATA Call Completion Service consists of the live and automated call completion services specified in Appendix B, including the completion of collect, card and bill-to-third party calls; busy line verification; customer requested interrupt; and other assistance to callers. IntraLATA Call Completion Service includes the support of the Bell Atlantic carrier call centers and call completion facilities used to provide such services to Carrier.

b) Bell Atlantic will provide Carrier with unrated records for the call completion services provided by Bell Atlantic on behalf of Carrier. The rating, billing, and settlement of end-user charges for the calls are the responsibility of Carrier.

2.4 Branding Branding is a service option that permits the Carrier to deliver a customized front end announcement to its callers, identifying the Carrier as the customer service provider. Branding is available for DA as well as Call Completion Services. Carrier shall provide the information required by Bell Atlantic to create this announcement. Branding also requires that the Carrier maintain dedicated trunking arrangements to the designated Bell Atlantic DA or operator switch location.

2.5 Carrier Subscription Selection Form The specific Services to which Carrier shall subscribe and the applicable service subscription periods are contained in Appendix A ("Carrier Subscription Selection Form").

3. COMMENCEMENT AND IMPLEMENTATION OF SERVICE

3.1 Technical Questionnaire Each party shall make good-faith efforts to carry out its respective responsibilities in meeting a jointly established schedule for implementation. All records and other required information specified in Appendix C will be furnished by Carrier at least sixty (60) days prior to the commencement of Services (i.e., the cutover date described in Section 3.2.) Notices of any changes, additions, or deletions to such records and information shall be provided promptly in writing by Carrier to Bell Atlantic.

3.2 Cutover The cutover date for a selected Services shall be the date on which such Service shall be available to all of Carrier's local exchange customers in the LATAs designated in Section 1.1. The subscription term set forth in Appendix A for such Services shall commence on the cutover date.

3.3 Service Review Meetings Bell Atlantic will meet and confer with Carrier during the term of this Agreement to review and discuss the Services provided under this Agreement. The times for meetings will be established by mutual agreement of the parties.

4. EQUIPMENT AND FACILITIES

4.1 Bell Atlantic will establish and maintain such access equipment and related facilities for its Carrier Call Centers as may be necessary to perform the Services specified in Appendix A, provided that Carrier furnishes Bell Atlantic the information specified in Appendix C and any changes in such information in a timely and accurate manner. Any additional Services that Carrier seeks during the term of this Agreement will be subject to mutual agreement and the availability of facilities and equipment.

4.2 Carrier will provide and maintain such equipment within its premises as is necessary to permit the Bell Atlantic to perform the agreed upon Services in accordance with Bell Atlantic standard equipment operation and traffic operation procedures.

4.3 Carrier Transport and Switched Access Connection

a) Carrier shall, at its expense, arrange for and establish the trunking and other transport, interface, and signaling arrangements required for Bell Atlantic to provide Services to Carrier. Separate dedicated trunks for each

NPA or LATA may be required. Any trunks or other transport and access that Carrier obtains from Bell Atlantic to deliver Carrier's calls to Bell Atlantic shall be provided pursuant to the applicable tariffs, and not under this Agreement. Bell Atlantic agrees to coordinate the scheduling of Services to be provided under this Agreement with the scheduling of any trunking or related services provisioned by Bell Atlantic under the tariffs.

b) Carrier shall specify the number of trunks required for Services. For Directory Assistance Service, Carrier must provide Feature Group D (FGD) trunks directly to the location designated by Bell Atlantic. For IntraLATA Call Completion Service, Carrier must provide trunks with operator services signaling directly to the location designated by Bell Atlantic. Bell Atlantic shall provide Carrier at least three (3) months advance notice in the event of any change in designated locations.

5. PAYMENT FOR SERVICES

5.1 Rates Carrier agrees to pay for Services at the rates contained in Appendix A.

5.2 Settlements Carrier shall render payment to Bell Atlantic net thirty (30) calendar days from the date of delivery of the Service or from the date of billing for the Service, whichever occurs later. Carrier shall pay interest on any amount overdue at the rate of fifteen (15) percent per annum.

5.3 Taxes The rates specified in this Agreement and Appendices are exclusive of all taxes, duties or similar charges imposed by law. Carrier shall be liable for and shall reimburse Bell Atlantic for any sales, use, excise or other taxes applicable to the services performed under this Agreement.

5.4 Liquidated Damages In the event that Carrier discontinues using Bell Atlantic's Services in whole or in part, or terminates this agreement prior to the expiration of the subscription term, the parties agree that Bell Atlantic will incur expenses and damages that will be difficult to calculate. Therefore, the parties agree that in the event of such discontinuance or termination, Carrier shall pay an amount equal to the charges billed for the month in which the highest usage of Services occurred, multiplied by the number of months remaining in the then-current term, or b) the sum of \$100,000, whichever is greater. If Carrier causes this Agreement to terminate before the commencement of any Service selected in Appendix A, Carrier shall pay for all costs already incurred by Bell Atlantic in establishing and preparing for the commencement of such Service or the sum of \$100,000, whichever is greater.

5.5 Carrier's Customers Carrier shall be responsible for all contacts and arrangements with its customers concerning the provision and maintenance, and the billing and collection, of charges for Services furnished to Carrier's customers.

6. LIMITATION OF LIABILITY

6.1 Direct Damages In the event that Bell Atlantic, through negligence or willful misconduct, fails to provide the Services selected and contracted for under this Agreement, Bell Atlantic shall be liable to Carrier for Carrier's direct damages resulting from such failure, up to an amount not to exceed the payment of charges under this Agreement for the Services affected.

6.2 Other Remedies The extent of Bell Atlantic's liability arising under this Agreement shall be limited as described in paragraph 6.1 above. In no event shall Bell Atlantic be liable for any other loss, cost, claim, injury, liability, or expense related to or arising out of this Agreement or the Services provided hereunder including, but not limited to, any incidental, special, indirect, or consequential damages, including but not limited to loss of revenue or profit, whether recovery is sought in tort, contract, or otherwise, even if Bell Atlantic had notice of such damages.

7. DEFAULTS AND TERMINATION

7.1 Defaults or Violations If Carrier defaults in the payment of any amount due hereunder, or if Bell Atlantic fails to provide Services as agreed hereunder, and such default or failure shall continue for thirty (30) days after written notice thereof, the other company may terminate this agreement with seven (7) days written notice.

8. CONFIDENTIAL INFORMATION

8.1 Confidentiality The parties agree that all confidential and proprietary information that is marked as specified in Section 8.2 and that is disclosed by either party to the other party for the purposes of this Agreement, including rates and terms, shall be treated as confidential unless a) such information was previously or becomes known to the receiving party free of any obligation to keep it confidential, b) has been or is subsequently made public by the disclosing party, or c) is required to be disclosed by law. The receiving party shall not, except in the performance of the Services under this Agreement or with the express prior written consent of the other party, disclose or permit access to any confidential information to any other parties. The parties agree to advise their respective employees, agents and representatives to take such action as may be advisable to preserve and protect the confidentiality of such information.

8.2 Marking of Confidential Information All information the disclosing party considers proprietary or confidential, if in writing or other tangible form, shall be conspicuously labeled or marked as "Proprietary" or "Confidential" and, if oral, shall be identified as proprietary at the time of disclosure and promptly confirmed in writing. Either party shall have the right to correct any inadvertent failure to designate information as proprietary by written notification within ten (10) days following disclosure.

9. RELATIONSHIP OF THE PARTIES

9.1 Independent Contractors Bell Atlantic and Carrier shall be independent contractors under this Agreement and all services under this Agreement shall be performed by Bell Atlantic as an independent contractor and not as an agent of Carrier.

9.2 Responsibility for Employees and Agents All persons furnished by Bell Atlantic shall be considered solely Bell Atlantic's employees or agents, and Bell Atlantic shall be responsible for compliance with all laws, rules, and regulations relating to such persons including, but not limited to, hours of labor, working conditions, workers' compensation, payment of wages, benefits, unemployment, social security and other payroll taxes. Each party's employees and agents, while on premises of the other, shall comply with all rules and regulations, including any applicable security procedures and safeguarding of confidential data.

10. GENERAL CONDITIONS

10.1 Assignment Neither party may assign or delegate its rights and obligations under this Agreement without the prior written consent of the other party except that Bell Atlantic may assign this Agreement to an affiliate or subsidiary without such consent.

10.2 Choice of Law The validity, construction and performance of this Agreement shall be governed by the laws of _____.

10.3 Compliance with Laws Each party shall comply with all applicable federal, state, county and local laws, ordinances, regulation, rules and codes in the performance of this Agreement. Neither party shall be liable to the other for termination of this Agreement or any services to be provided hereunder necessitated by compliance with any law, rule, regulation or court order of a duly authorized governmental body.

10.4 Contingency Neither party shall be held responsible or liable to the other for any delay or failure in performance caused by fires, strikes, embargoes, requirements imposed by Government regulation, civil or military authorities, act of God or by the public enemy, or other causes beyond the control of Carrier or Bell Atlantic. If such

a contingency occurs, the party injured by the other's inability to perform may: a) terminate the affected services or part thereof not already rendered; or b) suspend the affected services or part thereof for the duration of the delaying cause and resume performance once the delaying causes cease.

10.5 Licenses No licenses, expressed or implied, under any patents, copyrights, trademarks or other intellectual property rights are granted by Bell Atlantic to Carrier under this Agreement.

10.6 Notices Except as otherwise specified in this Agreement, any notice required or permitted under this Agreement shall be in writing and shall be given to the other party at the address designated below by hand delivery, registered return-receipt requested mail, confirmed facsimile, or nationally recognized courier service:

For Bell Atlantic: Bell Atlantic Network Services, Inc.
13100 Columbia Pike, D39
Silver Spring, MD 20904
Attn: _____, Product Manager

For Carrier:

The above addresses may be changed by giving thirty (30) calendar days prior written notice as prescribed above. Notice shall be deemed to have been given or made on the date of delivery if received by hand, facsimile or express courier, and three days after delivery to the U.S. Postal Service, if mailed.

10.7 Publicity Bell Atlantic and Carrier agree to submit to each other prior to publication all advertising, sales promotions, press releases and other publicity matters containing or mentioning a) the services performed by Bell Atlantic under this Agreement, b) either party's name or marks, or c) language from which either party's names or marks may be inferred or implied. Bell Atlantic and Carrier further agree not to publish or use any such advertising, sales promotion, press releases, or publicity matters unless it obtains the other party's prior written consent.

10.8 Severability If any provision of this Agreement or the application of any provision shall be held by a tribunal of competent jurisdiction to be contrary to law or unenforceable, the remaining provisions of this Agreement shall continue in full force and effect.

10.9 Survival All obligations hereunder, incurred by either Bell Atlantic or Carrier prior to the cancellation, termination or expiration of this Agreement shall survive such cancellation, termination or expiration.

10.10 Captions and Section Headings The captions and section headings in this Agreement are for convenience only and do not affect the meaning or interpretation of this Agreement.

10.11 Duplicate originals This Agreement may be executed separately by the parties in one or more counterparts. Each duplicate executed shall be deemed an original, and all together shall constitute one and the same document.

10.12 Nondisclosure of Agreement Each party agrees not to disclose the terms and conditions of this Agreement to any third party, except that it shall not be deemed a breach of this provision for the parties to disclose the terms and conditions of this Agreement to their respective subsidiaries and affiliated companies or to any duly constituted governmental body which requires disclosure.

10.13 Entire Agreement The terms and conditions of this Agreement, including Appendices A, B, and C attached to this Agreement, constitute the entire Agreement between Bell Atlantic and Carrier relating to the subject

matter of this Agreement, and supersede any and all prior or contemporaneous understandings, promises or representations, whether written or oral, between the parties relating to the subject matter of this Agreement. Any waiver, modification or amendment of any provision of this Agreement, or of any right or remedy hereunder, shall not be effective unless made in writing and signed by both parties.

IN WITNESS WHEREOF, the parties agree that the effective date of this Agreement is the date first written above, and each party warrants that it has caused this Agreement to be signed and delivered by its duly authorized representative.

**BELL ATLANTIC
NETWORK SERVICES, INC.**

Name: _____

Name: _____

Title: _____

Title: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

INTRALATA TELECOMMUNICATIONS SERVICES SETTLEMENT AGREEMENT

This Agreement is entered into as of September __, 1996, by and between Bell Atlantic - Pennsylvania, Inc., a Pennsylvania corporation, with principal offices located at 1717 Arch Street, 32nd Floor, Philadelphia, Pennsylvania 19103 ("BA-PA"), and Eastern TeleLogic Corporation, a Delaware corporation, with principal offices located at 630 Freedom Business Center, King of Prussia, Pennsylvania 19206 ("ETC").

SECTION I

SCOPE

This Agreement sets forth the terms and conditions for the following:

- (a) administering and processing messages in the intraLATA Toll Originating Responsibility Plan (ITORP); and
- (b) the settlement of compensation for the following telecommunications traffic within a BA-PA LATA:
 - (1) intrastate and interstate intraLATA traffic terminated to ETC and originated by an Independent Telephone Company or wireless carriers that transits the facilities of BA-PA within a BA-PA LATA, including Message Telecommunications Service and Local Exchange Service (the "ITORP Transit Service Traffic");
 - (2) intrastate and interstate intraLATA Message Telecommunications Service and Local Exchange Service traffic which originates from a Certified Local Exchange Carrier or ETC, transits BA-PA's network and terminates to ETC, or a wireless carrier or an Exchange Carrier other than BA-PA, which traffic is subject to a Meet-Point Billing arrangement (the "Meet-Point Transit Service Traffic");
 - (3) intraLATA 800/888 Service Traffic; and
 - (4) intraLATA Alternately Billed Calls billed to a line-based telephone number within the state where the call is originated.

By way of clarification, this Agreement does not cover the following: (x) traffic that does not use BA-PA facilities; (y) interLATA traffic; and (z) any statewide services (whether interLATA or intraLATA) provided entirely by an Interexchange Carrier such as statewide WATS.

SECTION II

DEFINITIONS

For purposes of this Agreement, the terms set forth below shall have the following meaning:

- A. 800/888 Number Database shall mean the call management service database that provides POTS telephone number translation or routing information or both for a given 800/888 telephone number.
- B. 800/888 Service Traffic means a toll free call originating with the Originating Company and billed to the Terminating Company's end user. 800/888 service MOUs are recorded by the Originating Company and provided to the Terminating Company so that it can bill its end user(s).

EXHIBIT D

- C. Access Tandem shall mean a switching entity that is used to connect and switch trunk circuits between and among End Offices and between and among End Office switches and carriers' aggregation points, points of termination, or points of presence, which entity has billing and recording capabilities that are used to provide switched Exchange Access services.
- D. Alternately Billed Calls shall mean all intraLATA land-line Collect Calls, Calling Card Calls and Third-Number Calls that originate and terminate in the Commonwealth of Pennsylvania and are billed to a line-based number within the jurisdiction of the Commonwealth of Pennsylvania serviced by the Billing Company. Alternately Billed Calls are identified in ITORP reports as "Received Collect/Sent Collect Calls".
- E. Basic 800/888 Number Query shall mean routing information obtained from an 800/888 Number Database for originating 800/888 calls.
- F. Billing Company shall mean the Local Exchange Carrier that provides the local telephone exchange service for the number to which an Alternately Billed Call is to be billed.
- G. Calling Card Call shall mean a call billed to a pre-assigned end user line-based billing number, including calls dialed or serviced by an operator system.
- H. Carrier Common Line Facilities means the facilities from the end user's premises to the End Office used to originate or terminate Transit Service Traffic and 800/888 Service Traffic. Such carrier common line facilities are as specified in each party's Exchange Access Tariff.
- I. Category 01 shall mean the EMR/billing record for usage charges applicable to the terminating 800/888 number service subscriber.
- J. Category 08 shall mean the EMR/copy record containing the information necessary for ETC to bill/settle intraLATA terminating charges with other carriers.
- K. Category 11 shall mean the EMR/access record containing information necessary for ETC to bill/settle interexchange access charges.
- L. CCS/SS7 shall mean the Common Channel Signaling/Signaling System 7, which refers to the packet-switched communication, out-of-band signaling architecture that allows signaling and voice to be carried on separate facilities, and thus is a signaling network that is common to many voice channels. There are two modes of operation defined for CCS/SS7: database query mode, and trunk signaling mode.
- M. Centralized Message Distribution System (CMDS) shall mean the message processing system which handles the distribution of Message Records from the Earning Company to the Billing Company.
- N. Certified Local Exchange Carrier (CLEC) means a carrier certified by the Pennsylvania Public Utility Commission to provide Local Exchange Access services within the BA-PA operating territory in that state.
- O. Collect Call shall mean a non-sent paid call that is billed to the number receiving the call, including calls dialed or serviced by an operator system.
- P. Discounted Toll Services means services in which the originating end user is charged a rate less than would normally be assessed for calls placed to similar points outside the end user's local calling area.

EXHIBIT D

- Q. Earning Company shall mean the Local Exchange Carrier that provides local telephone exchange service for the number from which an Alternately Billed Call originates.
- R. End Office means the end office switching and end user line termination facilities used to originate or terminate switched intraLATA telecommunications services traffic.
- S. Exchange means a geographic area established for the furnishing of local telephone service under a local tariff. It usually embraces a city, town or village and its environs. It consists of one or more wire centers together with the associated facilities used in furnishing communications service within the area.
- T. Exchange Access means the facilities and services used for the purpose of originating or terminating interexchange telecommunications in accordance with the schedule of charges, regulations and conditions specified in lawfully established Exchange Access Tariffs.
- U. Exchange Access Tariffs means the tariffs lawfully established with the Federal Communications Commission or the Pennsylvania Public Utility Commission by an Exchange Carrier for the provision of Exchange Access facilities and services.
- V. Exchange Carrier shall mean a carrier licensed to provide telecommunications services between points located in the same Exchange area.
- W. Exchange Message Record (EMR) shall mean the standard used for exchange of telecommunications message information among Local Exchange Carriers for billable, non-billable, sample, settlement and study data. EMR format is described in BR-010-200-010 CRIS Exchange Message Record, a Bell Communications Research, Inc. document that defines industry standards for Exchange Message Records, which is hereby incorporated by reference.
- X. ITORP Transit Service Traffic shall have the meaning set forth in Section I above titled "Scope".
- Y. Independent Telephone Company shall mean any entity other than BA-PA which, with respect to its operations within the Commonwealth of Pennsylvania, is an incumbent Local Exchange Carrier.
- Z. Inter-Company Net Billing Statement shall mean the separate monthly financial reports issued by BA-PA under ITORP to the Exchange Carriers for settlement of amounts owed.
- AA. IntraLATA Toll Originating Responsibility Plan (ITORP) shall mean the information system owned and administered by BA-PA for calculating charges between BA-PA and Local Exchange Carriers for termination of intraLATA calls.
- BB. Interexchange Carrier (IXC) means a carrier that provides, directly or indirectly, interLATA or intraLATA telephone toll services.
- CC. Local Access and Transport Area (LATA) means a contiguous geographic area: (1) established before the date of enactment of the Telecommunications Act of 1996 by BA-PA such that no Exchange area includes points within more than one metropolitan statistical area, consolidated metropolitan statistical area, or state, except as expressly permitted under the AT&T Consent Decree; or (2) established or modified by BA-PA after such date of enactment and approved by the Federal Communications Commission.

EXHIBIT D

DD. Local Exchange Carrier (LEC) means any person that is engaged in the provision of Local Exchange Service or Exchange Access. Such term does not include a person insofar as such person is engaged in the provision of a commercial mobile service under Section 332 (c) of the Telecommunications Act of 1996, except to the extent that the Federal Communications Commission finds that such service should be included in the definition of such term.

EE. Local Exchange Service means telecommunications services provided between points located in the same LATA.

FF. Meet-Point Billing (MPB) means an arrangement whereby two or more LECs jointly provide to a third party the transport element of a switched access Local Exchange Service to one of the LECs' End Office switches, with each LEC receiving an appropriate share of the transport element revenues as defined by their effective Exchange Access tariffs.

GG. Meet-Point Transit Service Traffic shall have the meaning set forth in Section 1, "Scope".

HH. Message Records shall mean the message billing record in Exchange Message Record format.

II. Message Telecommunications Service (MTS) means message toll telephone communications, including Discounted Toll Services, between end users in different Exchange areas, but within the same LATA, provided in accordance with the schedules of charges, regulations and conditions specified in lawfully applicable tariffs.

JJ. Minutes of Use (MOU) means the elapsed time in minutes used in the recording of Transit Service Traffic and 800/888 Service Traffic.

KK. Multiple Bill/Single Tariff means the MPB method whereby each LEC prepares and renders its own Meet Point Bill in accordance with its own tariff(s) for the portion of the jointly-provided Exchange Access service which the LEC provides.

LL. Multiple Exchange Carrier Access Billing (MECAB) means the document prepared by the Billing Committee of the Ordering and Billing Forum, which functions under the auspices of the Carrier Liaison Committee of the Alliance for Telecommunications Industry Solutions, and published by Bellcore as Special Report SR-BDS-000983, which document contains the recommended guidelines for the billing of an Exchange Access service provided by two or more LECs, or by one LEC in two or more states, within a single LATA, and is incorporated herein by reference.

MM. Originating Company means the company which originates intraLATA MTS or Local Exchange Service on its system. (For compensation purposes, the Originating Company shall be considered the Terminating Company for 800/888 Service Traffic.)

NN. Terminating Company means the company which terminates intraLATA MTS or Local Exchange Service on its system where the charges for such services are collected by the Originating (or Billing) Company. (For compensation purposes, the Terminating Company shall be considered the Originating Company for 800/888 Service Traffic.)

OO. Third-Number Call shall mean a call billed to a subscriber's line-based billing number which is not the number to which the call either terminates or originates.

PP. Transit Traffic shall refer to both ITORP Transit Service Traffic and Meet-Point Transit Service Traffic.

EXHIBIT D

QQ. Transiting Company shall mean a Local Exchange Carrier which transports intraLATA telecommunications traffic on its system between an Originating Company and a Terminating Company.

RR. Transport Facilities means the facilities from the End Office to a tandem switching facility used to originate or terminate switched intraLATA telecommunication services traffic.

SECTION III

SETTLEMENT OF TRANSIT SERVICES

(a) ITORP Transit Service Traffic.

(1) Call Routing and Recording; Billing Percentages. BA-PA will route ITORP Transit Service Traffic over the combined local and toll trunk groups between BA-PA and ETC. BA-PA and ETC agree to designate the points of interconnection for the purpose of terminating ITORP Transit Service Traffic which originates from an Independent Telephone Company or wireless carrier and terminates to ETC. Both parties further agree to develop and file mutually agreed to billing percentages applicable to ITORP Transit Service Traffic in the National Exchange Carrier Association F.C.C. Tariff No. 4, which billing percentages shall be calculated in accordance with ITORP guidelines.

(2) Exchange of Billing Data. The Originating Company will provide to BA-PA all billing data relating to ITORP Transit Service Traffic for processing in ITORP within fourteen (14) days from the date the usage occurs (to the extent usage occurs on any given day) for traffic originating from an Independent Telephone Company or wireless carrier, which traffic transits BA-PA's facilities and terminates to ETC.

(3) Billing. BA-PA will, on behalf of ETC, bill Exchange Carriers for intraLATA ITORP Transit Service Traffic, and collect compensation due ETC based on ETC's established and legally-approved tariffed or negotiated rates utilizing ITORP. The charges set forth in Attachment A, attached hereto and incorporated herein by reference, shall apply to the billing and collection services provided by BA-PA to ETC hereunder. ETC will record the ITORP Transit Service Traffic usage at its switch, and shall bill BA-PA for this traffic in accordance with the rates set forth in the Interconnection Agreement under Section 251 and 252 of the Telecommunications Act of 1996, dated as of September __, 1996, by and between BA-PA and ETC.

(b) Meet-Point Transit Service Traffic.

(1) Call Routing and Recording; Billing Percentages. BA-PA and ETC will route their respective Meet-Point Transit Service Traffic over the combined local and toll trunk groups between them. BA-PA and ETC agree to designate the points of interconnection for the purpose of terminating Meet-Point Transit Service Traffic which originates from a CLEC and terminates to ETC, or originates from ETC and terminates to a CLEC, Independent Telephone Company, or a wireless carrier. Both parties further agree to develop and file mutually agreed to billing percentages applicable to Meet-Point Transit Service Traffic in the National Exchange Carrier Association F.C.C. Tariff No. 4, which billing percentages shall be calculated in accordance with MECAB guidelines.

(i) End Offices Subtending BA-PA Access Tandem. Meet-Point Transit Service Traffic will be routed over the local and toll interconnection facilities used to terminate similar traffic directly between BA-PA and ETC when the Originating and Terminating Company's End Office switches subtend BA-PA's Access Tandem. BA-PA will record this traffic at the BA-PA Access Tandem, and forward the terminating call records to the Terminating Company for purposes of Meet-Point Billing.

EXHIBIT D

(ii) End Offices That Do Not Subtend a BA-PA Access Tandem. When the Originating and/or the Terminating Company's End Office switches do not subtend BA-PA's Access Tandem, the Meet-Point Transit Service Traffic must be routed over interconnection facilities other than those used to terminate intraLATA MTS or Local Exchange Service to BA-PA's end users. The Terminating Company will record this traffic at its Access Tandem and forward the terminating call records to BA-PA for Meet-Point Billing purposes.

(iii) Special Access. Upon request, any Meet-Point Service Transit Traffic may be routed over special access interconnection facilities between ETC, on the one hand, and a CLEC, an Independent Telephone Company, or a wireless carrier, on the other.

(2) Exchange of Billing Data. All billing data exchanged hereunder will be exchanged on magnetic tape or via electronic data transfer, to be delivered at the addresses set forth below, using the Electronic Message Record format. BA-PA will provide to ETC the switched-access detail usage data (category 1101XX records) on magnetic tape within fourteen (14) days from the date the usage occurs (to the extent usage occurs on any given day) for traffic originating from a CLEC, transiting BA-PA's facilities and terminating to ETC, and ETC will provide to BA-PA the switched access summary usage data (category 1150XX records) on a magnetic tape on a monthly basis within fourteen (14) days of receipt from BA-PA of the switched access detail usage data referenced above.

(3) Billing. BA-PA and ETC will submit to CLECs separate bills under their respective tariffs for their portion of jointly-provided Meet-Point Transit Service Traffic. With respect to Meet-Point Transit Service Traffic, BA-PA and ETC will exchange billing data and render bills under Multiple Bill/Single Tariff arrangements in accordance with the applicable terms and conditions set forth in MECAB.

(4) Addresses. Magnetic tapes to be sent hereunder to ETC will be sent to the following address (which address ETC may change upon prior written notice to BA-PA):

MacroLogic, Inc.
1544 Elmira Street
Aurora, CO 80010
Attn: Jeff Sampson

Magnetic tapes to be sent hereunder to BA-PA will be sent to the following address(es), as appropriate (which address(es) BA-PA may change upon prior written notice to ETC):

Bell Atlantic
Tape Library
1500 Tech Center Drive
Monroeville, PA 15146

SECTION V

800/888 SERVICE

800/888 Service Traffic will be exchanged among BA-PA, ETC, Independent Telephone Companies, CLECs and wireless carriers via CCS/SS7 trunks, and all will deliver/route these calls as appropriate and provide EMRs to the Terminating Company to enable it to bill its 800/888 service subscriber. These EMRs will, per industry standards, include the following: Category 01 (800/888 number subscriber billing), Category 08 (copy record/local exchange charges), and Category 11 (interexchange carriers access records).

(a) Delivery of Translated 800/888 Number Queries and calls over CCS/SS7 links and trunks. BA-PA and ETC will launch their own Basic 800/888 Number Query for 800/888 Service Traffic originated in their networks, and route this traffic to each other, as appropriate, utilizing existing local and toll interconnection facilities.

EXHIBIT D

(b) Exchange of Records; Compensation. All 800/888 Service Traffic hereunder shall be subject to the appropriate access charges, as set forth in the applicable tariffs. In addition, for jointly provided intraLATA 800/888 Service Traffic between two Local Exchange Carriers, the Originating Company is responsible for billing its tariffed Basic 800/888 Number Query charge to the Terminating Company. ETC, when acting as an Originating Company, must submit to BA-PA, via magnetic tape(s) in EMR format, (i) the information necessary to bill/settle intraLATA charges (EMR Category 110125), and (ii) the usage charges applicable to the terminating 800/888-number service subscriber (EMR Category 010125). In the event any of these records are lost or destroyed, BA-PA and ETC will jointly estimate the terminating access charges due to either party hereunder as follows:

- (1) Total the terminating traffic compensation paid with respect to 800/888 Service Traffic to each party hereunder for the most recent six (6) months period preceding the month covered by the lost or destroyed tapes.
- (2) Divide the total determined in (1) preceding, by 180 days.
- (3) Multiply the terminating traffic compensation per day determined in (2) preceding, by the number of days covered by the lost or destroyed tapes. The calculated amount will be included as an adjustment for lost or destroyed tapes in the next Inter-Company Net Billing Statement.

BA-PA shall have no liability whatsoever with respect to any lost, damaged or destroyed records submitted hereunder by ETC.

(c) Settlement. EMR records submitted by ETC hereunder acting as an Originating Company, as contemplated in Paragraph (b) above, will be processed in accordance with ITORP. For purposes of calculating the access charges due Local Exchange Carriers with respect to 800/888 Service Traffic, the Originating Company shall be deemed the Terminating Company. Access charges payable hereunder shall be calculated in accordance with Section VII of this Agreement, as applicable.

EXHIBIT D

SECTION VI

ALTERNATELY BILLED CALLS

(a) Responsibilities of the Billing Company. The Billing Company agrees to provide the Earning Company with billing services, as specified below, with respect to Alternately Billed Calls.

(1) Billing. Upon receipt of the appropriate Message Record from CMDS, the Billing Company shall include this record in the bill to be issued to the end user responsible for payment. The Billing Company shall also submit copies of these Message Records to BA-PA, at least once a month, in order to determine monthly settlement amounts for both the Billing Company and the Earning Company which will be reflected in the Inter-Company Net Billing Statement. These amounts will reflect any and all applicable charges due the Billing Company for performing billing services hereunder. In addition, as applicable, the Inter-Company Net Billing Statement will reflect any amounts owed by ETC to BA-PA for administering and processing ITORP.

(2) Payment of Amounts Outstanding. Upon receipt of the Inter-Company Net Billing Statement from BA-PA, ETC shall, within thirty (30) days of invoice, remit to BA-PA full payment of amounts owed under the Inter-Company Net Billing Statement.

(b) Responsibilities of the Earning Company. In connection with Alternately Billed Calls, the Earning Company shall provide Message Records to the Billing Company on a daily basis to the extent that any usage has been recorded. These Message Records will be delivered by the Earning Company to the Billing Company via the CMDS system, unless otherwise agreed to by the parties hereto.

(c) Fees for Settlement of Alternately Billed Calls. The billing services provided by the Billing Company to the Earning Company with respect to Alternately Billed Calls shall be subject to the applicable charges set forth in Attachment A, which charges will be reflected in the Inter-Company Net Billing Statement. These charges may be revised upon mutual written agreement of the parties hereto.

SECTION VII

CALCULATION OF COMPENSATION

BA-PA and ETC agree to compensate each other with respect to Transit Services Traffic and 800/888 Service Traffic in accordance with the terms established below, and the rate elements set forth in Attachments A and B, attached hereto and incorporated herein by reference.

(a) Compensation due to the Terminating/Transiting Company. Compensation due to the Terminating Company/Transiting Company will be determined separately for each month as follows:

(1) For Carrier Common Line Facilities provided by the Terminating Company, an amount calculated as specified for Carrier Common Line Facilities in the Terminating Company's Exchange Access Tariff. Compensation will be determined by multiplying a) the Terminating Company's Carrier Common Line rate, times b) the MOU.

(2) For End Office facilities provided by the Terminating Company, an amount calculated as specified for End Office facilities in the Terminating Company's Exchange Access Tariff. Compensation will be determined by multiplying a) the Terminating Company's appropriate Exchange Access End Office rate elements, times b) the MOU.

(3) For Transport Facilities, where these facilities are provided by the Terminating Company, or a Transiting and Terminating Company, an amount calculated in accordance with the following steps:

EXHIBIT D

- (i) Determine the Terminating Company's airline miles from the End Office which serves the Terminating Company's end user to either the Terminating Company's Access Tandem switching facility or the interconnection point with the Transiting Company(ies).
- (ii) Determine the Transiting Company's airlines miles from the Transiting Company(ies) Access Tandem switching facility to the interconnection point with the Terminating Company.
- (iii) Determine the sum of the total airline miles by adding (i) and (ii) above.
- (iv) Divide the Terminating Company's airline miles determined in (i) preceding by the total airline miles determined in (iii) preceding, to determine the ratio of local transport miles provided by the Terminating Company.
- (v) Divide the Transiting Company's airline miles determined in (ii) preceding by the total airline miles determined in (iii) preceding, to determine the ratio of local transport miles provided by the Transiting Company.
- (vi) Identify the rates set forth in the Exchange Access Tariff for either the Terminating Company or Transiting Companies, or both, as appropriate, which rates are applicable to Transport Facilities.
- (vii) Multiply the ratio determined in (iv) preceding, times the rate calculated in (vi) preceding, times the MOU, and add the amount set forth in (ix) below to determine the amount due the Terminating Company.
- (viii) Multiply the ratio determined in (v) preceding, times the rate calculated in (vi) preceding, times the MOU, and add the amount set forth in (ix) below to determine the amount due the Transiting Company.
- (ix) To the extent the Exchange Access Tariffs of the Terminating or Transiting Company, or both, provide for the payment of a fixed transport charge to be assessed with respect to a terminating location (End Office or toll switch), multiply this charge times the chargeable MOU.

SECTION VIII

ITORP ADMINISTRATION AND RESPONSIBILITIES

(a) Responsibilities of BA-PA. BA-PA shall:

1. Operate and maintain the ITORP system.
2. Provide the requirements and standards for ITORP records and tapes (ITORP User Guide).
3. Inform ETC of any proposed change in tape creation or distribution process at least sixty (60) days prior to the actual implementation of the change.
4. Develop and implement all system enhancements required to maintain the integrity of BA-PA's ITORP system.

EXHIBIT D

5. Process ITORP tapes received from ETC, or its agent, during the next available billing cycle.
6. Review and analyze daily pre-edit reports to determine if a tape is acceptable for ITORP processing; provided, however, that ETC is not absolved, as the Originating Company, from its responsibility to conform to ITORP input requirements.
7. Communicate with ETC, or its agent, to resolve the problems with tapes which are identified as being unacceptable for ITORP processing.
8. Create and/or maintain all ITORP tables.
9. Include the monthly compensation due to and from ETC as identified by ITORP on the Inter-Company Net Billing Statement. The compensation includes 800/888 Service Traffic and Alternately Billed Services traffic.
10. Settle with all local Exchange Carriers, via the Inter-Company Net Billing Statement, for 800/888 Service Traffic and Alternately Billed Services traffic originating from and/or terminating to ETC.
11. Distribute monthly ITORP reports.

(b) Responsibilities of ETC. ETC shall:

1. Compensate BA-PA for the administration and processing of ITORP as specified in Attachment A.
2. Notify BA-PA Exchange Carrier Services staff in writing of any changes in its rates affecting ITORP tables, as specified in Attachment A, thirty (30) days prior to the effective date of any such changes.
3. Notify BA-PA Exchange Carrier Services staff in writing of any network changes, such as changes in traffic routing, sixty (60) days prior to the implementation of the change in the network.
4. Conform to BA-PA's ITORP record requirements and standards.
5. ETC or its designated agent will forward the Exchange Message Records to BA-PA, in a timely manner for processing.
6. Inform the BA-PA Exchange Carrier Services staff in writing of any proposed changes in the Exchange Message Record creation or distribution process at least sixty (60) days prior to the actual implementation of the change.
7. Reimburse BA-PA for compensating other local Exchange Carriers on behalf of ETC, as reflected in the Inter-Company Net Billing Statement.

(c) Fees. Compensation for the administration and processing of ITORP will be due BA-PA on a monthly basis, based on the number of messages processed in ITORP for ETC at an average total cost per message. The processing and administrative fees applicable on a per message basis are set forth in Attachment A. These fees may be revised by BA-PA, at its discretion and upon notice to ETC, based on annual studies conducted by BA-PA, and ETC hereby agrees to be bound by such revised rates. A minimum monthly fee, as specified in Attachment A, will be assessed when ETC's monthly ITORP processing charges are below the stated minimum monthly charge.

EXHIBIT D

SECTION IX

LIABILITIES

In the event of an error on the part of BA-PA in calculating or settling any compensation amounts hereunder, ETC's sole remedy and BA-PA's only obligation shall be to re-calculate the compensation amount, and to the extent any amounts are owed to or owed by ETC, such amounts will be reflected as an adjustment in the next Inter-Company Net Billing Statement. In addition and to the extent applicable, BA-PA's liability under this Agreement and/or in connection with the settlement, payment and/or calculation of any amounts due hereunder shall be limited as set forth in the applicable tariffs. BA-PA shall have no obligation or liability with respect to any billing, settlement or calculation-of-compensation errors or omissions, including without limitation the duty to re-calculate any compensation amounts reflected in the Inter-Company Net Billing Statement, if such error or omission occurred more than two (2) years prior to the time in which it is brought to BA-PA's attention in writing. Without limiting the foregoing, in no event shall either party hereto be liable for consequential, incidental, special or indirect damages (including without limitation loss of profit or business) hereunder whether such damages are based in tort (including, without limitation, under any theory of negligence), contract breach or otherwise, and even if said party knew or should have known of the possibility thereof.

SECTION X

RELATIONSHIP OF THE PARTIES

Nothing herein contained will be deemed to constitute a partnership or agency relationship between the parties. Each party agrees that it will perform its obligations hereunder as an independent contractor and not as the agent, employee or servant of the other party. Neither party nor any personnel furnished by such party will be deemed employees or agents of the other party or entitled to any benefits available under any plans for such other party's employees. Each party has and hereby retains the right to exercise full control of and supervision over its own performance of the obligations under this Agreement, and retains full control over the employment, direction, compensation and discharge of all employees assisting in the performance of such obligations, including without limitation all matters relating to payment of such employees, including compliance with social security taxes, withholding taxes and all other regulations governing such matters. In addition, each party will be responsible for its own acts and those of its own subordinates, employees, agents and subcontractors during the performance of that party's obligations hereunder.

SECTION XI

TERM AND TERMINATION

(a) Term - Upon execution by all parties hereto, this Agreement shall become effective as of the date first shown on Page 1 of this Agreement, and shall remain in effect until terminated by either party in accordance with paragraphs (b), (c), (d), or (e) below.

(b) Termination for Breach - Either party may, upon prior written notice to the other party, terminate this Agreement in the event the other party is in default or breach of this Agreement and such breach or default is not corrected within thirty (30) days after the breaching party has been notified of same.

(c) Termination for Convenience - Upon six (6) months written advance notice to the other party, either party may terminate this Agreement.

(d) Acts of Insolvency - Either party may terminate this Agreement or any portion thereof, effective immediately, by written notice to the other party, if said other party (1) applies for or consents to the appointment of or

EXHIBIT D

the taking of possession by receiver, custodian, trustee, or liquidator of itself or of all or a substantial part of its property; (2) becomes insolvent; (3) makes a general assignment for the benefit of creditors; (4) suffers or permits the appointment of a receiver for its business or assets; (5) becomes subject to any proceeding under any bankruptcy or insolvency law whether domestic or foreign, voluntarily or otherwise; or (6) fails to contest in a timely or appropriate manner, or acquiesces in writing to, any petition filed against it in an involuntary case under the Federal Bankruptcy Code or any application for the appointment of a receiver, custodian, trustee, or liquidation of itself or of all or a substantial part of its property, or its reorganization, or dissolution.

(e) Termination of Interconnection Agreement. Unless otherwise agreed to by the parties hereto in writing, in the event that the Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996, dated as of September __, 1996, by and between BA-PA and ETC expires without being renewed, or expires or is terminated and no other interconnection agreement has been entered into by BA-PA and ETC, then this Agreement shall be deemed terminated effective on the date the aforesaid Interconnection Agreement expires or is terminated.

SECTION XII

NETWORK CONFIGURATION

Each party shall provide six (6) months advance written notice to the other party of any network configuration that may affect any of the services or compensation contemplated under this Agreement, and the parties hereto agree to use reasonable efforts to avoid service interruptions during any such network change.

SECTION XIII

CONSTRUCTION AND EFFECT

All services contemplated under this Agreement are provided in accordance with any and all applicable regulatory requirements and effective tariffs filed with and approved by the appropriate federal and/or state regulatory bodies, as these tariffs and requirements may be modified from time to time. To the extent there is a conflict between the terms of any said tariff or regulatory requirement and this Agreement, the terms of the tariff or the regulatory requirement shall prevail. However, to the extent not in conflict with the provisions of the applicable tariffs or regulatory requirements, this Agreement shall supplement the tariffs or regulatory requirements, and it shall be construed to the fullest extent possible in harmony with such tariffs or regulatory requirements.

SECTION XIII

MISCELLANEOUS

(a) Headings. Headings used in this Agreement are for reference only, do not constitute part of this Agreement, and shall not be deemed to limit or otherwise affect any of the provisions hereof.

(b) Notices. All notices, requests, demands, or other communications required or permitted hereunder shall be in writing, shall be deemed delivered (1) on the date of delivery when delivered by hand, (2) on the date of transmission when sent by electronic mail or facsimile transmission during normal business hours with telephone confirmation of receipt, (3) one (1) day after dispatch when sent by overnight courier maintaining records of receipt, or (4) three (3) days after dispatch when sent by registered mail, postage prepaid, return-receipt requested, all addressed as follows (or at such other addresses as shall be given in writing by either party to their other):

If to BA-PA:	Address: 1320 N. Court House Road, 9 th Floor Arlington, VA 22201
Attn.:	Manager-Local Interconnection

EXHIBIT D

Facsimile: 703 974 2188
Telephone: 704 974 4614

If to ETC: Address:
Attn:
Facsimile:
Telephone:

(c) Successors; Assignment. This Agreement and all of the provisions hereof shall be binding upon and inure to the benefit of the parties hereto and their respective successors and permitted assigns, and nothing herein shall be construed to create any rights enforceable by any other person or third party. This Agreement may not be assigned by either party (except by BA-PA to an affiliate or successor in interest) without the prior written consent of the other party, which consent shall not be unreasonably withheld.

(d) Waiver. No waiver of any right or term hereof shall be effective unless in a writing executed by the waiving party. No waiver of any right or privilege hereunder shall operate as a waiver of any subsequent or similar right or privilege.

(e) Modifications. This Agreement may be modified or amended only by a written agreement executed by the parties hereto.

(f) Counterparts. This Agreement may be executed in counterparts, all of which shall be considered one and the same agreement and each of which shall be deemed an original.

(g) Severability. If any term, provision, paragraph or clause of this Agreement or any application thereof shall be held invalid or unenforceable in any particular jurisdiction, the remainder of this Agreement and any other application of such term, provision, paragraph or clause shall not be affected thereby in such jurisdiction (where such remainder or application shall be construed as if such invalid or unenforceable term, provision, paragraph or clause has not been inserted), and this Agreement and such application of such term, provision, paragraph or clause shall not be affected in any other jurisdiction.

(h) Contingency. Neither party will be held liable for any delay or failure in performance of this Agreement from any cause beyond its control and without its fault or negligence including but not limited to acts of God, acts of civil or military authority, government regulations, embargoes, epidemics, wars, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, strikes, power blackouts, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities, or acts or omissions of transportation common carriers.

(i) Governing Law. Except as otherwise expressly provided herein, this Agreement shall be interpreted, construed and governed by the laws of the State of Pennsylvania, without regard to conflict of law provisions.

(j) Confidentiality. Unless by mutual agreement, or except to the extent directed by a court of competent jurisdiction, neither party shall disclose this Agreement or the terms hereof to any person other than such party's affiliates or such party's officers, employees and consultants, who are similarly bound hereby. This paragraph shall not prevent the filing of this Agreement with a state or federal commission having jurisdiction over the parties hereto if such filing is required by rule or order of that commission; provided, however, that the parties hereto shall jointly request that the Agreement be treated as confidential by that commission to the extent permitted under the commission's regulations and procedures. Each party hereto must maintain the confidentiality of all message, billing, traffic, and call records, traffic volumes and all other material information and data pertaining to the traffic covered by this Agreement and the carriers and end users associated with such traffic.

(k) Remedies under Law. All remedies available to the parties hereto under the terms of this Agreement shall be in addition to, and not by way of limitation of, any other rights that said parties may have at law or equity, none of which are hereby waived.

(l) Entire Agreement. This Agreement, including all Attachments and Schedules attached hereto, contains

EXHIBIT D

the entire agreement, and supersedes and voids any prior understanding, between BA-PA and ETC regarding the subject matter hereof.

EXHIBIT D

In witness whereof, the undersigned parties have caused this Agreement to be executed on their behalf this day of _____, 19__.

Witness:

Eastern TeleLogic Corporation

By:

Witness:

Bell Atlantic - Pennsylvania, Inc.

By:

EXHIBIT D

ATTACHMENT A

BASIS OF COMPENSATION

CHARGES FOR ADMINISTRATION OF ITORP AND ITORP PROCESSING

A. Bell Atlantic - Pennsylvania, Inc. charges the following rates for providing ITORP services:

	Rate Per Message/ Month
1. Administrative Charge	\$
2. Processing Charge Elements:	
a. Terminating Traffic	\$
b. Minute/Message	\$
c. 800/888 Message	\$
d. Net Compensation	\$
e. Collected Revenue Processing Charge	\$
3. Minimum Monthly Fee	\$
4. Alternately Billed Calls	\$

EXHIBIT D

ATTACHMENT B

I.

Message Telecommunications Service - Terminating to ETC

<u>Rate Element</u>	<u>Billing Company</u>
Carrier Common Line	ETC
End Office	ETC
Transport	based on negotiated billing percentages (BIPs)

II.

800/888 - Terminating to or originating from ETC Customers

<u>Rate Element</u>	<u>Billing Company</u>
Carrier Common Line	Originating Company
End Office	Originating Company
Transport	based on negotiated billing percentages (BIPs)
Query	Originating Company

III.

Local Exchange - Terminating to ETC

<u>Rate Element</u>	<u>Billing Company</u>
Local E.O. Termination Charge	ETC
Transport	based on negotiated billing percentages (BIPs)

AMENDMENT NO. 1

to

INTERCONNECTION AGREEMENT

between

BELL ATLANTIC - PENNSYLVANIA, INC.

and

EASTERN TELELOGIC CORPORATION

This Amendment No. 1 is made the 3rd day of January 1997, by and between Bell Atlantic-Pennsylvania, Inc. ("BA"), a Pennsylvania corporation with offices at 1717 Arch Street, Philadelphia, Pennsylvania 19103, and Eastern Telelogic Corporation ("ETC"), a Delaware corporation with offices 630 Freedom Business Center, Suite 200, King of Prussia, Pennsylvania 19406. (BA and ETC may be referred to individually as a "Party" and collectively as the "Parties").

WITNESSETH:

WHEREAS, BA and ETC are Parties to an Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 dated September 13, 1996 (the "Agreement"); and

WHEREAS, the Parties now desire to amend Exhibit A of the Agreement to reflect the arbitration decision of the Pennsylvania Public Utilities Commission in Docket No. A-310258F0002 entered on December 3, 1996 (the "Order").

NOW, THEREFORE, in consideration of the promises and mutual agreements herein contained, the Parties agree to amend the Agreement as follows:

1. Delete the existing Exhibit A and substitute the revised Exhibit A attached hereto.
2. Except for the foregoing, the terms and provisions contained in the Agreement shall remain in full force and effect.

This Amendment may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment No. 1 to be duly executed as of the date first set forth above.

BELL ATLANTIC-
PENNSYLVANIA, INC.

EASTERN TELELOGIC
CORPORATION

By: _____

By: _____

Title: _____

Title: _____

BELL ATLANTIC-PENNSYLVANIA, INC. AND EASTERN TELELOGIC CORPORATION

DETAILED SCHEDULE OF ITEMIZED CHARGES¹

A. BA Services, Facilities, and Arrangements:

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.a.	Entrance facilities, and transport, as appropriate, for Interconnection at BA End Office, Tandem Office, Serving Wire Center, or other Point of Interconnection	Per interstate [BA FCC #1 sec. 6.9.1.] and (pending) intrastate [BA-PA PUC 302 sec. 6.9.2] access tariffs for Feature Group D service ² Illustrative: Interstate non-recurring: \$1, plus \$1 switched access connection charge per trunk; DS-1 entrance facility \$210-\$212/mo. Intrastate nonrecurring: \$930 for first DS-1, \$290 for additional, plus \$20 switched access connection charge per trunk; DS-1 entrance facility \$210-\$270/mo.	
1.b.	Collocation and related services for Interconnection at BA End Office, Tandem Office, or Serving Wire Center	Per interstate [BA FCC 1 sec. 19], intrastate access tariff [BA PA PUC 302 sec. 16, and pending intrastate access tariffs ³	

¹ Rates listed herein for services, facilities, or arrangements that are marked with an asterisk (*) are fixed pursuant to Section 20 of the Agreement for the initial term of the Agreement, as set forth in Section 22 of the Agreement. Rates for services, facilities, or arrangements that are not marked with an asterisk shall change in accordance with the provisions of Section 20 of the Agreement.

All rates set forth herein, as applied to unbundled Network Elements or call transport and/or termination of Local Traffic purchased for the provision of Telephone Exchange Service or Exchange Access, shall be interim rates. These interim rates shall be replaced on a prospective basis by such TELRIC-based permanent rates (applicable to unbundled Network Elements or call transport and/or termination of Local Traffic purchased for the provision of Telephone Exchange Service or Exchange Access) as may be approved by the Commission pursuant to the FCC Regulations. At such time as such TELRIC-based permanent rates have been approved by the Commission, the Parties shall append to this Exhibit an Exhibit AA, setting forth such rates, which Exhibit AA the Parties shall update periodically as necessary.

² Pending approval of the BA intrastate local transport restructure tariff, intrastate access services subject to the pending tariff will be charged pursuant to effective tariffs, as agreed by the Parties, subject to true-up at either Party's request.

³ Pending approval of the BA intrastate collocation tariff to be filed no later December 31, 1996, all collocation services shall be charged at rates found in BA FCC 1 sec. 19 or BA-PA PUC 302 sec. 16.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.c.	Transit arrangements (for Interconnection between ETC and carriers other than BA)	Per tariffs cited in sections 1.a. and 1.b. above, as applicable; separate trunks required for IXC subtending trunks ⁴	Per interstate [BA FCC 1 sec. 6.9.1.B] and pending intrastate [BA-PA PUC 302 sec. 6.9.2.B] for tandem switching and tandem switched transport, as applicable ⁵ Illustrative: Interstate, proposed intrastate tandem switching \$.000999/mou, tandem switched transport \$.000195/mou plus \$.000045/mou/mile
1.d.	911 Interconnection	Per intrastate tariff BA-PA PUC 1.2.C, 216, and 304.	

⁴ See note 2 above.

⁵ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.e.	Directory assistance transport	Intrastate per BA-PA PUC 302 sec. 9.6.B (transport) ⁶ Interstate per BA FCC 1 sec. 9.6.B	Intrastate per pending BA-PA PUC 302 sec. 9.6.B; Illustrative: Per call rate \$.000091 fixed, \$.000021 per mile, \$.000462 tandem switching. ⁷ Interstate per BA FCC 1 sec. 9.6.B Illustrative: Per call rate \$.000082 fixed, \$.000019 per mile, \$.000353 tandem switching, \$.002311 interconnection
1.f.	Operator services (call completion) Transport	Per contract attached hereto	
2.	Unbundled elements	Available as listed herein and in interstate and intrastate tariffs, and pursuant to Section 11 of the Agreement	
3.	Poles, ducts, conduits, ROW	Per contract rates pursuant to 47 U.S.C. sec. 224 Illustrative: Duct: \$5.45/foot/yr. Pole: \$3.98/attachment./yr.	

⁶ See note 2 above.

⁷ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
4.a.	<p>Local loop transmission* Unbundled Local Loop Element (POTS)</p> <p>Cross Connection to POTS loop</p> <p>Unbundled Local Loop Element and cross-connect for loops other than POTS</p>	<p>\$37.00 per service order;</p> <p>\$36.00 installation per loop</p> <p>None</p> <p>To be determined in accordance with Section 11.1 of the Agreement</p>	<p><u>Density Cell 1:</u> \$10.51</p> <p><u>Density Cell 2:</u> \$12.12</p> <p><u>Density Cell 3:</u> \$16.57</p> <p><u>Density Cell 4:</u> \$21.28</p> <p>\$1.09/month (physical collocation)</p> <p>To be determined in accordance with Section 11.1 of the Agreement</p>
4.b.	Special construction charges	As applicable per BA-PA PUC 1 sec. 9	
4.c.1	Service Technician Charges (Maintenance Service Charges) (service technician work on unbundled loops outside of the central office)	<p>Per intrastate tariff BA-PA PUC No. 1, sec. 22A.B.3</p> <p>Illustrative:</p> <p>Initial visit charge \$37.25</p> <p>Work charge (per quarter hour) \$11.00</p>	

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
4.c.2	Central office technician charges	Per interstate BA FCC 1 sec. 19.7.7 tariff. <u>Normal Working Hours:</u> First 1/2 hour or fraction thereof \$90.00/technician Each Additional 1/2 hour or fraction thereof \$30.00/technician <u>Overtime:</u> First 1/2 hour or fraction thereof \$100.00/technician Each Additional 1/2 hour or fraction thereof \$40.00/technician <u>Premium Time:</u> First 1/2 hour or fraction thereof \$120.00/technician Each Additional 1/2 hour or fraction thereof \$50.00/technician	
5.a.	Trunk Side local transport DS-1 transport	Per interstate [BA FCC 1 sec. 6.9.1.C] and (proposed) intrastate [BA-PA PUC 302 sec. 6.9.2.C] tariffs ⁸ Illustrative recurring: Interstate \$60/mo fixed, \$17.70/mile/mo Intrastate \$75/mo fixed, \$25/mile/mo	
5.b.	DS-3 transport	Tariff reference see 5.a. above. Illustrative recurring: Interstate, intrastate \$900/mo fixed, \$180/mile/mo	
5.c.	Mid-span meet arrangements	To be charged in accordance with the requirements of Section 4.3 of the Agreement	

⁸ See note 2 above.

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
6.	Local switching* Unbundled Switching Element POTS switch Port	\$6/service order per line to establish or modify service \$6/service order plus \$6/Port	\$0.004/mou of local switch usage \$1.50/mo
7.a.	Operator services 911 service (data entry; database maintenance)*	No charge	
7.b.	Directory assistance	Per separate contract; branding available Directory transport per section 1.e. above	
7.c.	Operator call completion	Per separate contract; branding available	
8.a.	White pages and Yellow Pages (business only) directory listings*	\$5.00 per primary listing per number	No charge
8.b.	Books & delivery (annual home area directories only)*	No charge for normal numbers of books delivered to end users; bulk deliveries to CLEC per separate arrangement	
8.c.	Additional listings, changes to listings, non-listed, non-published, and other extra services	Per tariff [BA-PA PUC 1 sec. 5.B] Illustrative: Additional listing: \$12.00 residence; \$15.00(1st), \$9.00 (additional) business Non-list: \$15.00 residence or business Non-published: \$15.00 residence or business	Per tariff [BA-PA PUC 1 sec. 5.B] Illustrative: Additional listing: \$1.25/mo residence, \$2.05/mo business Non-list: \$1.25/mo residence or business Non-published: \$1.75/mo residence or business
9.	Access to telephone numbers (NXX codes issued per ICCF Code Administration Guidelines)*	No charge	

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
10.a	SS7 Interconnection	Per interstate [BA FCC 1 sec. 6.9.1.G] and intrastate [BA-PA PUC 302 sec. 6.9.2.C] tariff	Per interstate [BA FCC 1 sec. 6.9.1.L] and intrastate [BA-PA PUC sec. 6.9.2.I] tariff Illustrative: Interstate: STP ports, 900/mo.; STP access, 3.50/mile/mo. Intrastate: STP ports, \$932.58/mo.; STP access, \$4.00/mile/mo.
10.b	LIDB Interconnection	Per tariff [BA FCC 1 sec. 6.9.1M] Illustrative: Originating point code, \$125	Per tariff [BA FCC 1 sec. 6.9.1M] Illustrative: Query validation \$.04/query Query transport \$.0002/query

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
10.c	800/888 data base Interconnection	No separate charge (included in FGD trunk and STP links)	Per interstate [BA FCC 1 sec. 6.9.1.N], and intrastate [BA- PA PUC 302 sec. 6.9.2.J] tariffs Illustrative: Interstate basic query, \$.003105/query; vertical feature package, \$.000337/query Intrastate basic query, \$.003089/query; vertical feature package, \$.000327/query
11.a	Interim number portability through co-carrier call forwarding*	\$5.00/service order \$4.00/installation/ number at same location	\$1.50/month/ported number
11.b	Access pass-through to number portability purchaser*		In accordance with Section 14.5 of Agreement
12.	Local dialing parity*	No charge	
13.a	Reciprocal call termination Local Traffic delivered to Bell Atlantic Interconnection Point*		\$.003/mou End Office Termination \$.005/mou Tandem Termination Charged in accord- ance with note 11 below

	<u>BA Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
13.b	Access charges for termination of intrastate and interstate Toll Traffic		Per interstate and intrastate access tariffs (charged in conjunction with Local Traffic, using PLU and PIU, as appropriate)
14.a	Wholesale rates for resale of telecommunications services provided to end users* ⁹	<u>Percentage discount from retail tariff</u> ¹⁰	
14.b	Resale of retail telecommunications services if ETC provides its own operator services. *	14.56% discount	
14.c	Resale of retail telecommunications services if ETC uses BA operator services.*	12.58% discount	

⁹ Excludes telecommunications services designed primarily for wholesale, such as switched and special access, and, subject to Section 12 of the Agreement, the following additional arrangements that are not subject to resale: limited duration (90 days or less) promotional offerings, public coin telephone service, and technical and market trials. Taxes shall be collected and remitted by the reseller and BA in accordance with legal requirements and as agreed between the Parties. Surcharges (e.g., 911, telecommunications relay service, universal service fund) shall be collected by the reseller and either remitted to the recipient agency or NECA, or passed through to BA for remittance to the recipient agency or NECA, as appropriate and agreed between the Parties. End user common line charges shall be collected by the reseller and remitted to BA.

¹⁰ Pending establishment of mechanized billing procedures adapted to resale, the Parties will agree upon a composite “bottom-of-the-bill” discount that reflects the discounts and exclusions identified herein, and such other adjustments as the Parties agree.

B. ETC Services, Facilities, and Arrangements:

	<u>ETC Service</u>	<u>Non-recurring</u>	<u>Recurring</u>
1.a.	Interim Number Portability through co-carrier call forwarding* Number portability*	\$5.00/service order \$4.00/installation/ number at same location	1.50/month/ported number
1.b	Access pass-through to number portability purchaser*		In accordance with sec. 14.5 of Agreement
2.	Local dialing parity*	No charge	
3.a	Reciprocal call termination Local Traffic delivered to ETC Interconnection Point *		Calculated in accordance with note 11 below
3.b	Access charges for termination of intrastate and interstate Toll Traffic		Per ETC interstate and intrastate access rates (charged in conjunction with Local Traffic, using PLU and PIU, as appropriate)
4.	All other ETC services available to BA for purposes of effectuating local exchange competition	Available at ETC tariffed or otherwise generally available rates, not to exceed BA rates for equivalent services available to ETC	
5.	Other Services Information Service Billing Fee	No Charge	\$.03 per call

LOCAL TRAFFIC TERMINATION RATES

A. Charges by BA

- (a) Traffic delivered to BA Local Serving Wire Center ("LSWC") or BA Access Tandem: \$.005 per mou
- (b) Traffic delivered directly to terminating BA End Office: \$.003 per mou

B. Charges by ETC

1. Single-tiered interconnection structure:

ETC's rates for the termination of BA's Local Traffic under the single-tiered interconnection structure shall be recalculated once each year on each anniversary of the Effective Date (the "Rate Determination Date"). The methodology for recalculating the rates is as follows:

LSWC/Access Tandem Minutes = Total minutes of use of Local Traffic delivered by ETC to the BA LSWC or BA Access Tandem for most recent billed quarter.

End Office Minutes = Total minutes of use Local Traffic delivered by ETC directly to the terminating BA End Office for most recent billed quarter.

Total Minutes = Total minutes of use of Local Traffic delivered by ETC to BA for most recent billed quarter.

ETC Charge at the ETC-IP =

$$\frac{(\text{LSWC/Access Tandem Minutes} \times \$0.005) + (\text{End Office Minutes} \times \$0.003)}{\text{Total Minutes}}$$

For the first year after the Effective Date, the ETC charge shall be calculated based on the traffic data of the quarter immediately preceding such Effective Date.

2. Multiple-tiered interconnection structure (if offered by ETC to any carrier)

- (a) Local Traffic delivered to ETC LSWC or ETC Access Tandem: \$.005
- (b) Local Traffic delivered to terminating ETC End Office/node: \$.003

C. Miscellaneous Notes

1. In the event a Party desires to deliver Local Traffic to a LSWC (i) that is not located within 25 miles of the Tandem Office to which it is subtended, or (ii) where the Tandem Office that it subtends is not located within 25 miles of the Tandem Office that is subtended by the terminating End Office, or (iii) that is not located within 25 miles of the Tandem Office that is subtended by the terminating End Office, then such Party shall (x) in addition to paying the LSWC/Access Tandem termination rate described above, purchase the necessary facilities from the terminating Party to transport such Traffic to a qualifying LSWC or Access Tandem that is not subject to any of conditions (i), (ii), or (iii) above, (y) purchase such other service(s) as the terminating Party may offer under applicable tariff to remedy such condition(s), or (z) enter into a new compensation arrangement as the Parties may agree. Notwithstanding the foregoing, nothing in this Agreement shall obligate BA to provide switching services at a LSWC when it functions as such.

2. In the event the two-tiered rate structure described above is modified pursuant to Applicable Law to a single rate structure, BA and ETC (to the extent ETC is offering a multiple-tiered interconnection structure) shall each have the right to apply its tariffed switched access transport charges for transporting Local Traffic it receives at its LSWC to the first point of switching in its network in the LATA.

3. The ETC termination rate under the single-tiered interconnection structure set forth above is intended by the Parties to be a Local Traffic termination rate for Interconnection to the ETC-IP within each LATA that is reciprocal and equal to the actual rates that will be charged by BA to ETC under the two-tiered Local Traffic termination rate structure described above that will apply after the first anniversary of the Effective Date. The single ETC termination rate is also intended to provide financial incentives to ETC to deliver traffic directly to BA's terminating End Offices once ETC's traffic volumes reach an appropriate threshold. The Parties agree that the Reciprocal Compensation rate(s) set forth herein recover a reasonable approximation of each Party's additional costs of terminating calls that originate on the network facilities of the other Party.

AMENDMENT NO. 2

**to
INTERCONNECTION AGREEMENT**

**between
BELL ATLANTIC - PENNSYLVANIA, INC.**

**and
EASTERN TELELOGIC CORPORATION**

This Amendment No. 2 is made the 28th day of April 1997, by and between Bell Atlantic-Pennsylvania, Inc. ("BA"), a Pennsylvania corporation with offices at 1717 Arch Street, Philadelphia, Pennsylvania 19103, and Eastern TeleLogic Corporation ("ETC"), a Delaware corporation with offices 630 Freedom Business Center, Suite 200, King of Prussia, Pennsylvania 19406. (BA and ETC may be referred to individually as a "Party" and collectively as the "Parties").

WITNESSETH:

WHEREAS, BA and ETC are Parties to an Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 dated September 13, 1996 (the "Agreement"); and

WHEREAS, the Parties now desire to amend Exhibit A of the Agreement to reflect (i) the Opinion and Order of the Pennsylvania Public Utilities Commission (the "Commission") in the wholesale discount proceeding at Docket No. R-963578, entered on February 6, 1977, and (ii) the Opinion and Order of the Commission in the proceeding on the Parties' Joint Petition for Approval of Agreement for Network Interconnection and Resale at Docket No. A-310258F0002, entered April 22, 1997 ((i) and (ii) collectively herein, the "Orders").

NOW, THEREFORE, in consideration of the promises and mutual agreements herein contained, the Parties agree to amend the Agreement in accordance with the Orders as follows:

1. Delete the existing page 9 to Exhibit A and substitute the revised Exhibit A attached hereto.
2. Except for the foregoing, the terms and provisions contained in the Agreement shall remain in full force and effect.

This Amendment may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment No. 2 to be duly executed as of the date first set forth above.

BELL ATLANTIC-
PENNSYLVANIA, INC.

EASTERN TELELOGIC
CORPORATION

By: _____

By: _____

Title: _____

Title: _____

EXHIBIT A

13.b	Access charges for termination of intrastate and interstate Toll Traffic		Per interstate and intrastate access tariffs (charged in conjunction with Local Traffic, using PLU and PIU, as appropriate)
14.a	Wholesale rates for resale of telecommunications services provided to end users* ⁹	Percentage discount from retail tariff ¹⁰	
14.b	Resale of retail telecommunications services if ETC provides its own operator services. *	20.69% discount	
14.c	Resale of retail telecommunications services if ETC uses BA operator services. *	18.43% discount	

9 Excludes telecommunications services designed primarily for wholesale, such as switched and special access, and, subject to Section 12 of the Agreement, the following additional arrangements that are not subject to resale: limited duration (90 days or less) promotional offerings, public coin telephone service, and technical and market trials. Taxes shall be collected and remitted by the reseller and BA in accordance with legal requirements and as agreed between the Parties. Surcharges (e.g., 911, telecommunications relay service, universal service fund) shall be collected by the reseller and either remitted to the recipient agency or NECA, or passed through to BA for remittance to the recipient agency or NECA, as appropriate and agreed between the Parties. End user common line charges shall be collected by the reseller and remitted to BA.

10 Pending establishment of mechanized billing procedures adapted to resale, the Parties will agree upon a composite “bottom-of-the-bill” discount that reflects the discounts and exclusions identified herein, and such other adjustments as the Parties agree.

AMENDMENT

to

INTERCONNECTION AGREEMENTS

THIS AMENDMENT (this “Amendment”), effective as of November 1, 2004 (the “Effective Date”), amends each of the Interconnection Agreements (the “Interconnection Agreements”) by and between each of the Verizon incumbent local exchange carrier (“ILEC”) affiliates (individually and collectively “Verizon” or the “Verizon Parties”) and each of the AT&T wireline competitive local exchange carrier (“CLEC”) affiliates (individually and collectively “AT&T” or the “AT&T Parties”; Verizon and AT&T are referred to herein individually as a “Party” and collectively as the “Parties”). Attachment 1 hereto lists, to the best of the Parties’ knowledge, the Interconnection Agreements in effect as of the Effective Date. For the avoidance of any doubt, this Amendment shall also amend each new Interconnection Agreement or adoption in any Verizon ILEC service area in which the Parties did not have an Interconnection Agreement prior to November 1, 2004, provided that in such instances the “Effective Date” of this Amendment shall be the date on which such Interconnection Agreement or adoption becomes effective. The term “affiliates,” as used in this Amendment, shall have the same meaning as under Rule 405 of the Rules promulgated pursuant to the Securities Act of 1933, as amended.

WITNESSETH:

WHEREAS, Verizon and AT&T are Parties to Interconnection Agreements under Sections 251 and 252 of the Act.

WHEREAS, the Parties wish to amend the Interconnection Agreements to reflect their agreements on certain intercarrier compensation (including, without limitation, reciprocal compensation), interconnection architecture and related matters, as set forth in Attachment 2 hereto.

NOW, THEREFORE, in consideration of the above recitals and the mutual promises and agreements set forth below, the receipt and sufficiency of which are expressly acknowledged, each of the Parties, on its own behalf and on behalf of its respective successors and assigns, hereby agrees as follows:

1. Amendments to Interconnection Agreements. The Parties agree that the terms and conditions set forth in Attachment 2 hereto shall govern the Parties’ mutual rights and obligations with respect to the provisions set forth therein. For the avoidance of any doubt, modifications to the Interconnection Agreements (in effect as of the Effective Date) pursuant to

Sections 3, 4 and 5 of Attachment 2 hereto shall apply with respect to traffic exchanged by the Parties that is covered by the next bill rendered, on or after the Effective Date, in the ordinary course by each Party for the affected categories of traffic, with respect to usage that is customarily and timely included in such bills, even if such traffic was actually exchanged on a date up to sixty (60) days prior to the Effective Date.

2. Conflict between this Amendment and the Interconnection Agreements. This Amendment shall be deemed to revise the terms and provisions of the Interconnection Agreements to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of any of the Interconnection Agreements, this Amendment shall govern; ***provided, however***, that the fact that a term or provision appears in this Amendment but not in an Interconnection Agreement, or in an Interconnection Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Section 2.

3. Counterparts. This Amendment may be executed in counterparts, each of which when so executed and delivered shall be an original and all of which together shall constitute one and the same instrument.

4. Captions. The Parties acknowledge that the captions in this Amendment have been inserted solely for convenience of reference and in no way define or limit the scope or substance of any term or provision of this Amendment.

5. Joint Work Product. The Parties acknowledge that this Amendment is the joint work product of the Parties, that, for convenience, this Amendment has been drafted in final form by Verizon and that, accordingly, in the event of ambiguities in this Amendment, no inferences shall be drawn against either Party on the basis of authorship of this Amendment.

6. Scope of Amendment. This Amendment shall amend, modify and revise the Interconnection Agreements only to the extent set forth expressly in Section 1 of this Amendment, and, except to the extent set forth in Section 1 of this Amendment, the terms and provisions of the Interconnection Agreements shall remain in full force and effect after the Effective Date.

SIGNATURE PAGE

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed and delivered by their duly authorized representatives under seal.

THE AT&T PARTIES

THE VERIZON PARTIES

By: _____

By: _____

Printed: _____

Printed: _____

Title: _____

Title: _____

Date: _____

Date: _____

Attachment 1

Interconnection Agreements Between The Parties as of November 1, 2004

ACC ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Connecticut ACC Long Distance of Connecticut Corp. ("ACC CT") assigned its Interconnection Agreement with Verizon New York Inc. d/b/a Verizon New York dated as of June 10, 1998, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New York Inc. d/b/a Verizon New York dated August 23, 1999.	Assigned to AT&T	N/A	N/A	N/A
Delaware	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 4, 1998 by and between BELL ATLANTIC - DELAWARE, INC. and ACC NATIONAL TELECOM CORP.	Bell Atlantic – Delaware, Inc. ACC National Telecom Corp.	6/4/98 effective	Amendment 2
Maine ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Maine dated as of April 7, 1999, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Maine dated June 1, 1999.	Assigned to AT&T	N/A	N/A	N/A

ACC ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Massachusetts	AGREEMENT between New England Telephone and Telegraph Company d/b/a BA and ACC National Telecom Corp.	Bell Atlantic - Massachusetts (n/k/a Verizon New England Inc. d/b/a Verizon Massachusetts) ACC NATIONAL TELECOM CORP.	6/25/97 effective	Amendment 2
New Hampshire	Assigned to AT&T	N/A	N/A	N/A
	<p style="color: red; font-size: small;">ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon New Hampshire dated as of June 10, 1998, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon New Hampshire dated April 12, 1999.</p>			
New York	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 24, 2002 by and between VERIZON NEW YORK INC. and ACC NATIONAL TELECOM CORP.	Verizon New York Inc. ACC NATIONAL TELECOM CORP.	6/24/02 effective	Amendment 2

ACC ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Pennsylvania (BA)	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 8, 1998 by and between BELL ATLANTIC - PENNSYLVANIA, INC. and ACC NATIONAL TELECOM CORP.	Bell Atlantic - Pennsylvania, Inc. (n/k/a Verizon Pennsylvania, Inc.) ACC NATIONAL TELECOM CORP.	6/8/98 effective	Amendment 2
Rhode Island				
	ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Rhode Island dated as of April 7, 1999, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Rhode Island dated June 7, 1999.	Assigned to AT&T	N/A	N/A
Vermont				
	ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Vermont dated as of June 10, 1998, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New England Inc., d/b/a Verizon Vermont dated June 1, 1999.	Assigned to AT&T	N/A	N/A

ACC ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Washington, DC	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 8, 1998 by and between BELL ATLANTIC - WASHINGTON, D.C., INC. and ACC NATIONAL TELECOM CORP.	Bell Atlantic - Washington, D.C., Inc. (n/k/a Verizon Washington, DC Inc.) ACC NATIONAL TELECOM CORP.	6/8/98 effective	Amendment 2

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
California	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE CALIFORNIA INCORPORATED, CONTEL OF CALIFORNIA, INC. and AT&T COMMUNICATIONS OF CALIFORNIA, INC.	GTE California Incorporated and Contel of California, Inc. (n/k/a Verizon California, Inc.) AT&T Communications of California, Inc	1/23/97 effective 1/13/97 approved	Amendment 6
Connecticut ACC Long Distance of Connecticut Corp. ("ACC CT") assigned its Interconnection Agreement with Verizon New York Inc. dated as of June 10, 1998, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New York Inc. dated August 23, 1999.	Assigned Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 10, 1998 by and between NEW YORK TELEPHONE & TELEGRAPH COMPANY d/b/a BELL ATLANTIC -NEW YORK and ACC LONG DISTANCE OF CONNECTICUT CORP. FOR CONNECTICUT	New York Telephone & Telegraph Company D/B/A Bell Atlantic - New York (n/k/a Verizon New York, Inc., d/b/a Verizon New York) ACC Long Distance of Connecticut Corp. (assigned to AT&T Communications of New England, Inc.)	6/10/98 effective	Amendment 2

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Delaware	AGREEMENT between Bell Atlantic -- Delaware, Inc. and AT&T Communications of Delaware, Inc. Effective Date: _____, 1997	Bell Atlantic -- Delaware, Inc. (n/k/a Verizon Delaware Inc.) AT&T Communications of Delaware, Inc.	9/30/97 signed and effective 10/21/97 approved	Amendment 3
Florida	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC. and GTE FLORIDA INC.	GTE Florida Inc. (n/k/a Verizon Florida, Inc.) AT&T Communications of the Southern States, Inc.	8/1/97 effective 7/18/97 approved	Amendment 4
Hawaii	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE HAWAIIAN TELEPHONE COMPANY INCORPORATED and AT&T COMMUNICATIONS OF HAWAII, INC.	GTE Hawaiian Telephone Company Incorporated (n/k/a Verizon Hawaii Inc.) AT&T Communications of Hawaii, Inc.	6/13/97 effective 5/8/97 filed	Amendment 2

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Idaho <i>(AT&T adopted the terms of the Pathnet agreement)</i>	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT BETWEEN GTE NORTHWEST INCORPORATED AND PATHNET, INC.	GTE Northwest Incorporated (n/k/a Verizon Northwest Inc.) Pathnet, Inc. (AT&T Communications of the Mountain States, Inc., adoptee)	7/10/01 adoption effective 8/21/01 adoption approved 6/29/00 Pathnet effective	Amendment 1
Illinois	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT among GTE NORTH INCORPORATED, GTE SOUTH INCORPORATED, d/b/a GTE SYSTEMS OF ILLINOIS and AT&T COMMUNICATIONS OF ILLINOIS, INC.	GTE Systems of Illinois (n/k/a Verizon North Inc.) AT&T Communications of Illinois, Inc.	6/28/99 effective 6/21/99 approved	Amendment 3
Indiana	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED AND CONTEL OF THE SOUTH, INC., d/b/a GTE SYSTEMS OF INDIANA, INC. and AT&T COMMUNICATIONS OF INDIANA, INC.	GTE North Incorporated and Contel of the South d/b/a GTE Systems of Indiana (n/k/a Verizon North, Inc.) AT&T Communication of Indiana	11/24/99 effective 11/17/99 approved	Amendment 1

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Maine	Assigned Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of April 7, 1999 by and between NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY, d/b/a BELL ATLANTIC – MAINE and ACC NATIONAL TELECOM CORP.	New England Telephone and Telegraph d/b/a Bell Atlantic – Maine (n/k/a Verizon New England Inc. d/b/a Verizon Maine) ACC NATIONAL TELECOM CORP. (assigned to AT&T Communications of New England, Inc.)	4/7/99 effective	Amendment 2
Maryland	AGREEMENT between Bell Atlantic -- Maryland, Inc. and AT&T Communications of Maryland, Inc.	Bell Atlantic - Maryland, Inc. (n/k/a Verizon Maryland, Inc.) AT&T Communications of Maryland, Inc.	8/1/97 effective	Amendment 3
Massachusetts	AGREEMENT between New England Telephone and Telegraph Company d/b/a BA and AT&T Communications of New England, Inc.	Bell Atlantic – Massachusetts (n/k/a Verizon New England Inc. d/b/a Verizon Massachusetts) AT&T Communications of New England, Inc.	4/13/98 effective	Amendment 1

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Michigan	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED AND CONTEL OF THE SOUTH, INC., d/b/a GTE SYSTEMS OF MICHIGAN and AT&T COMMUNICATIONS OF MICHIGAN, INC.	GTE North Incorporated and Contel of the South, Inc d/b/a GTE Systems of Michigan (n/k/a Verizon North, Inc.) AT&T Communications of Michigan, Inc.	8/3/99 effective 7/16/99 approved	Amendment 3
New Hampshire	Assigned Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 10, 1998 by and between NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY, d/b/a BELL ATLANTIC - NEW HAMPSHIRE and ACC NATIONAL TELECOM CORP.	New England Telephone and Telegraph Company (n/k/a Verizon New England Inc. d/b/a Verizon New Hampshire) ACC NATIONAL TELECOM CORP. (assigned to AT&T Communications of New England, Inc.)	6/10/98 effective	Amendment 2
New Jersey	AGREEMENT between Bell Atlantic -- New Jersey, Inc. and AT&T Communications of New Jersey, Inc.	Bell Atlantic - New Jersey, Inc. (n/k/a Verizon New Jersey, Inc.) AT&T Communications of New Jersey, Inc.	9/15/97 effective	Amendment 3

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
New York	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 24, 2002 by and between VERIZON NEW YORK INC. and AT&T COMMUNICATIONS OF NEW YORK, INC	Verizon New York Inc. AT&T Communications of New York, Inc.	6/24/02 effective	Amendment 2
North Carolina	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC. and GTE SOUTH INCORPORATED	GTE South Incorporated (n/k/a Verizon South, Inc.) AT&T Communications of the Southern States	2/9/99 effective 1/28/99 approved	Amendment 1
Ohio	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED and AT&T COMMUNICATIONS OF OHIO, INC.	GTE North Incorporated (n/k/a Verizon North Inc.) AT&T Communications of Ohio	12/30/98 effective 12/22/98 approved	Amendment 3

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Oregon	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTHWEST INCORPORATED and AT&T COMMUNICATIONS OF THE PACIFIC NORTHWEST, INC	GTE Northwest Incorporated (n/k/a Verizon Northwest, Inc.) AT&T Communications of the Pacific Northwest, Inc.	1/27/99 effective 1/20/99 approved	Amendment 2
Pennsylvania (BA) (AT&T adopted the terms of the TCG Pittsburgh agreement)	Adopted Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of February 3, 1997 by and between BELL ATLANTIC - PENNSYLVANIA, INC. and TCG - PITTSBURGH	Bell Atlantic – Pennsylvania, Inc. (n/k/a)Verizon Pennsylvania, Inc. TCG – Pittsburgh (AT&T Communications of Pennsylvania, Inc., adoptee)	4/29/02 adoption effective 4/22/02 adoption letter date 8/29/02 adoption approved 2/3/97 TCG Pittsburgh effective	Amendment 1
Pennsylvania (GTE)	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH, INC. and AT&T COMMUNICATIONS OF PENNSYLVANIA, INC.	GTE North Incorporated (n/k/a Verizon North, Inc.) AT&T Communications of Pennsylvania, Inc.	10/12/99 effective 10/1/99 approved	Amendment 3

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Rhode Island ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Rhode Island dated as of April 7, 1999, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon Rhode Island dated June 7, 1999.	Assigned Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of April 7, 1999 by and between NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY, d/b/a BELL ATLANTIC - RHODE ISLAND and ACC NATIONAL TELECOM CORP.	New England Telephone and Telegraph Company, d/b/a Bell Atlantic - Rhode Island (n/k/a Verizon New England Inc., d/b/a Verizon Rhode Island) ACC NATIONAL TELECOM CORP. (assigned to AT&T Communications of New England, Inc.)	4/7/99 effective	Amendment 2
South Carolina	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC. and GTE SOUTH INCORPORATED	GTE South Incorporated (n/k/a Verizon South Inc.) AT&T Communications of the Southern States, Inc.	7/14/00 effective	Amendment 1
Texas	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE SOUTHWEST INCORPORATED AND CONTEL OF TEXAS, INC. and AT&T COMMUNICATIONS OF THE SOUTHWEST, INC	GTE Southwest Incorporated (n/k/a GTE Southwest Incorporated, d/b/a Verizon Southwest) AT&T Communications of the Southwest, Inc.	6/6/97 effective 5/30/97 approved	Amendment 2

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Vermont <i>ACC National Telecom Corp. ("ACC") assigned its Interconnection Agreement with Verizon New England Inc. d/b/a Verizon Vermont dated as of June 10, 1998, to AT&T Communications of New England, Inc. ("AT&T") and, contemporaneous with such assignment, AT&T terminated its Interconnection Agreement with Verizon New England Inc., d/b/a Verizon Vermont dated June 1, 1999.</i>	Assigned Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 10, 1998 by and between BELL ATLANTIC – VERMONT and ACC NATIONAL TELECOM CORP.	<i>New England Telephone and Telegraph Company, d/b/a Bell Atlantic Vermont (n/k/a Verizon New England, Inc.)</i> <i>ACC NATIONAL TELECOM CORP. (assigned to AT&T Communications of New England, Inc.)</i>	6/10/98 effective	Amendment 2
Virginia (BA)	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of October 8, 2002 by and between VERIZON VIRGINIA INC. and AT&T COMMUNICATIONS OF VIRGINIA, INC.	<i>Verizon Virginia, Inc.</i> <i>AT&T Communications of Virginia, Inc.</i>	10/8/02 effective	Amendment 1
Virginia (GTE)	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE SOUTH INCORPORATED AND AT&T COMMUNICATIONS OF VIRGINIA, INC.	<i>GTE South Incorporated (n/k/a Verizon South Inc.)</i> <i>AT&T Communications of Virginia, Inc.</i>	5/28/99 effective 5/14/99 approved	Amendment 1

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Washington, DC	AGREEMENT between Bell Atlantic -- Washington, DC, Inc. and AT&T Communications of Washington, DC, Inc. Effective Date: August 25, 1997	Bell Atlantic - Washington, D.C., Inc. (n/k/a Verizon Washington, DC Inc.) AT&T Communications of Washington, DC, Inc.	8/25/97 effective 10/24/97 approved	Amendment 3
Washington (State)	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTHWEST INCORPORATED and AT&T COMMUNICATIONS OF THE PACIFIC NORTHWEST, INC.	GTE Northwest Incorporated (n/k/a Verizon Northwest Inc.) AT&T Communications of the Pacific Northwest, Inc.	9/25/97 effective 8/25/97 approved	Amendment 2
West Virginia (AT&T adopted the terms of the MCI metro agreement)	Adopted Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of FEBRUARY 10, 1999 by and between BELL ATLANTIC - WEST VIRGINIA and AT&T COMMUNICATIONS OF WEST VIRGINIA	Bell Atlantic - West Virginia, Inc. (n/k/a Verizon West Virginia Inc.) AT&T Communications of West Virginia, Inc., adoptee	2/10/99 adoption effective 5/21/99 adoption approved 9/3/98 MCI m effective	Amendment 2

AT&T ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Wisconsin	INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF WISCONSIN, INC. and GTE NORTH INCORPORATED	GTE North Incorporated (n/k/a Verizon North Inc.) AT&T Communications of Wisconsin, Inc.	2/5/99 effective 1/28/99 approved	Amendment 1

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
<p align="center">California (TCG adopted the terms of the MCI Metro agreement)</p>	<p>Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT BETWEEN GTE of CALIFORNIA, INCORPORATED AND MCImetro ACCESS TRANSMISSION SERVICES, INC.</p>	<p>GTE California Incorporated (for the state of California) (now known as Verizon California, Inc.)</p> <p>MCImetro Access Transmission Services, Inc.</p> <p>(Teleport Communications Group, Inc. San Diego,</p> <p>Teleport Communications Group, Inc Los Angeles, and</p> <p>Teleport Communications Group, Inc San Francisco, adoptees)</p> <p>*Limited Blanket agreement list all (3) entities</p>	<p>6/10/98 effective</p> <p>7/13/98 TCG adoptions filed</p> <p>6/10/98 adoption letter date</p> <p>9/3/98 adoption approval order</p> <p>2/11/97 MCI metro effective</p>	<p>Amendment 4</p>

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
<p style="text-align: center;">Delaware</p>	<p>AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of September 13, 1996 by and between BELL ATLANTIC-DELAWARE, INC. and EASTERN TELELOGIC CORPORATION</p>	<p>Bell Atlantic - Delaware, Inc. (n/k/a Verizon Delaware Inc.)</p> <p>Eastern Telelogic Corporation (n/k/a TCG Delaware Valley, Inc.)</p>	<p>9/13/96 effective</p>	<p>Amendment 7</p>
<p style="text-align: center;">Florida (TCG adopted the terms of the AT&T agreement)</p>	<p>Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE FLORIDA INCORPORATED and AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC.</p>	<p>GTE Florida Incorporated (n/k/a Verizon Florida, Inc.)</p> <p>AT&T Communications of the Southern States, Inc. (TCG South Florida, adoptee)</p>	<p>3/6/98 TCG adoption filed and effective</p> <p>2/20/98 adoption letter date</p> <p>8/1/97 AT&T effective</p>	<p>Amendment 3</p>

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Illinois (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT among GTE NORTH INCORPORATED, GTE SOUTH INCORPORATED, d/b/a GTE SYSTEMS OF ILLINOIS and AT&T COMMUNICATIONS OF ILLINOIS, INC.	GTE North, Incorporated, GTE South, Incorporated, d/b/a GTE Systems of Illinois (n/k/a Verizon North Inc., Verizon South Inc.) AT&T Communications of Illinois, Inc. (TCG Chicago and TCG Illinois, adoptees)	6/2/04 TCG adoption effective 5/19/04 adoption letter date 9/15/04 adoption filed 6/28/99 AT&T effective	Amendment 1
Indiana (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED AND CONTEL OF THE SOUTH, INC., D/B/A GTE SYSTEMS OF INDIANA, INC. and AT&T COMMUNICATIONS OF INDIANA, INC.	GTE North Incorporated and Contel of the South, Inc., d/b/a GTE Systems of Indiana, Inc. (n/k/a Verizon North Inc., Contel of the South, Inc. d/b/a Verizon North Systems) AT&T Communications of Indiana, Inc. (TCG Indianapolis, adoptee)	5/21/03 adoption effective 4/7/03 adoption letter date 4/21/03 adoption filed 11/24/99 AT&T effective	Amendment 1

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Maryland	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of February 3, 1997 by and between BELL ATLANTIC - MARYLAND, INC. and TCG - MARYLAND	Bell Atlantic - Maryland, Inc. (n/k/a Verizon Maryland Inc.) TCG Maryland	2/3/97 effective	Amendment 4
Massachusetts	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of October 29, 1997 by and between BELL ATLANTIC-MASSACHUSETTS and TELEPORT COMMUNICATIONS BOSTON	New England Telephone and Telegraph Company, d/b/a Bell Atlantic – Massachusetts (n/k/a Verizon New England Inc., d/b/a Verizon Massachusetts) Teleport Communications Boston (n/k/a Teleport Communications Boston, Inc.)	10/29/97 effective	Amendment 3

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Michigan (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED AND CONTEL OF THE SOUTH, INC., d/b/a GTE SYSTEMS OF MICHIGAN and AT&T COMMUNICATIONS OF MICHIGAN, INC.	GTE North Incorporated and Contel of the South, Inc. d/b/a GTE Systems of Michigan, Inc. (n/k/a Verizon North Inc.) AT&T Corp. (TCG Detroit, adoptee)	11/24/99 adoption filed and effective 2/9/00 adoption approval order 8/3/99 AT&T effective	Amendment 3
New Hampshire (TCG adopted the terms of the ACC agreement)	Adopted Agreement: INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of _____, 1998 by and between BELL ATLANTIC - NEW HAMPSHIRE and ACC NATIONAL TELECOM CORP.	Bell Atlantic - New Hampshire (n/k/a Verizon New England Inc, d/b/a Verizon New Hampshire) ACC National Telecom Corp. (TCG New Hampshire Inc., adoptee) Name change pending to Teleport Communications-Boston, Inc. (need to check on this)	6/18/02 adoption effective 6/11/02 adoption letter date ACC effective 6/10/98	Amendment 2

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
New Jersey (ETC)	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of September 13, 1996 by and between BELL ATLANTIC-NEW JERSEY, INC. and EASTERN TELELOGIC CORPORATION	Bell Atlantic - New Jersey, Inc. (n/k/a Verizon New Jersey Inc.) Eastern TeleLogic Corporation (n/k/a TCG Delaware Valley, Inc.)	9/13/96 effective 1/8/97 approved	Amendment 4
New Jersey (TC Systems)	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 TELECOMMUNICATIONS ACT OF 1996 Dated as of February 3, 1997 by and between BELL ATLANTIC - NEW JERSEY, INC. and TC SYSTEMS, INC.	Bell Atlantic - New Jersey, Inc. (n/k/a Verizon New Jersey Inc.) TC Systems, Inc. (n/k/a Teleport Communications of New York)	2/3/97 effective 6/11/97 approved	Amendment 4
New York	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of June 24, 2002 by and between VERIZON NEW YORK INC. and TELEPORT COMMUNICATIONS GROUP INC.	Verizon New York Inc. Teleport Communications Group Inc.	6/24/02 effective	Amendment 2

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
North Carolina (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF THE SOUTHERN STATES, INC. and GTE SOUTH INCORPORATED	GTE South Incorporated (n/k/a Verizon South, Inc.) AT&T Communications of the Southern States, Inc. (TCG of the Carolinas, Inc., adoptee)	12/8/00 adoption filed and effective 12/27/00 approved 2/9/99 AT&T effective	Amendment 1
Ohio (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH INCORPORATED and AT&T COMMUNICATIONS OF OHIO, INC.	GTE North Incorporated (n/k/a Verizon North, Inc.) AT&T Communications of Ohio, Inc. (TCG Ohio, Inc., adoptee)	6/2/04 adoption effective 5/19/04 adoption letter date 12/30/98 AT&T effective	Amendment 1
Oregon (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTHWEST INCORPORATED and AT&T COMMUNICATIONS OF THE PACIFIC NORTHWEST, INC.	GTE Northwest Incorporated (n/k/a Verizon Northwest Inc.) AT&T Communications of the Pacific Northwest, Inc. (TCG Oregon, adoptee)	4/23/99 adoption filed and effective 4/5/99 adoption letter date 5/10/99 adoption approved 1/27/99 AT&T effective	Amendment 2

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
<p align="center">Pennsylvania (BA) TCG Pittsburgh</p>	<p>INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of February 3, 1997 by and between BELL ATLANTIC - PENNSYLVANIA, INC. and TCG – PITTSBURGH</p>	<p>Bell Atlantic - Pennsylvania, Inc. (n/k/a Verizon Pennsylvania, Inc.)</p> <p>TCG Pittsburgh</p>	<p>2/3/97 effective 5/27/97 approved</p>	<p>Amendment 2</p>
<p align="center">Pennsylvania (BA) Eastern Telelogic</p>	<p>INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of September 13, 1996 by and between BELL ATLANTIC-PENNSYLVANIA, INC. and EASTERN TELELOGIC CORPORATION</p>	<p>Bell Atlantic - Pennsylvania, Inc. (n/k/a Verizon Pennsylvania Inc.)</p> <p>Eastern Telelogic Corporation (n/k/a TCG Delaware Valley, Inc.)</p>	<p>9/13/96 effective</p>	<p>Amendment 3</p>

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Pennsylvania (GTE) (TCG Pittsburgh and TCG Delaware Valley adopted the terms of the AT&T Agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTH, INC. and AT&T COMMUNICATIONS OF PENNSYLVANIA, INC.	GTE North, Inc. (n/k/a Verizon North Inc.) AT&T Communications of Pennsylvania, Inc. (TCG Pittsburgh, TCG Delaware Valley, Inc., adoptees)	1/26/00 adoption filed and effective 1/12/00 VZ adoption letter date 6/2/00 adoption approved 10/12/99 AT&T effective	Amendment 3
Rhode Island	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of April 21, 1999 by and between BELL ATLANTIC-RHODE ISLAND and TCG RHODE ISLAND	Bell Atlantic-Rhode Island (n/k/a Verizon New England Inc., d/b/a Verizon Rhode Island) TCG Rhode Island	4/21/99 effective	Amendment 3

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
<p>Texas (TCG adopted the terms of the AT&T agreement)</p>	<p>Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE SOUTHWEST INCORPORATED AND CONTEL OF TEXAS, INC. and AT&T COMMUNICATIONS OF THE SOUTHWEST, INC.</p>	<p>GTE Southwest Incorporated and Contel of Texas (n/k/a Verizon Southwest Inc.) AT&T Communications of the Southwest, Inc. (TCG Dallas and Teleport Communications Houston, Inc., adoptees)</p>	<p>2/20/98 effective 3/12/98 filed 2/17/98 TCG request to adopt 2/20/98 adoption letter date 6/6/97 AT&T effective</p>	Amendment 2
<p>Virginia (BA)</p>	<p>INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of October 8, 2002 by and between VERIZON VIRGINIA INC. and TCG VIRGINIA, INC.</p>	<p>Verizon Virginia, Inc. TCG Virginia, Inc.</p>	<p>10/8/02 effective</p>	Amendment 1
<p>Virginia (GTE) (TCG adopted VA GTE/MFS Intelenet agreement)</p>	<p>Adopted Agreement: MFS/GTE INTERIM VIRGINIA CO-CARRIER AGREEMENT</p>	<p>GTE South Incorporated (n/k/a Verizon South Inc.) MFS Intelenet of Virginia, Inc. (TCG Virginia, Inc., adoptee)</p>	<p>7/22/97 effective 8/14/97 filed 7/22/97 adoption letter date 6/6/97 MFS Intelenet VA agreement effective</p>	Amendment 1

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
Washington, DC	INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996 Dated as of February 3, 1997 by and between BELL ATLANTIC - WASHINGTON, D. C., INC. and TELEPORT COMMUNICATIONS - WASHINGTON, D.C., INC.	Bell Atlantic - Washington, D.C. (n/k/a Verizon Washington, DC Inc.) Teleport Communications - Washington, D.C., Inc.	2/3/97 effective	Amendment 4
Washington (State) (TCG adopted the terms of the AT&T agreement)	Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between GTE NORTHWEST INCORPORATED and AT&T Communications of the Pacific Northwest, Inc.	GTE Northwest Incorporated (n/k/a Verizon Northwest Inc.) AT&T Communications of the Pacific Northwest (TCG Seattle, adoptee)	4/21/99 adoption filed and effective 4/5/99 VZ adoption letter date 9/25/97 AT&T effective	Amendment 1

TCG ICA AGREEMENTS

STATE	EXACT TITLE OF ICA	NAMES OF PARTIES	NOTABLE IDENTIFYING DATES	AMENDMENT NUMBER
<p>West Virginia (TCG adopted terms of MCI Metro agreement)</p>	<p>Adopted Agreement: MCI metro/Bell Atlantic INTERCONNECTION AGREEMENT</p>	<p>Bell Atlantic – West Virginia, Inc. (n/k/a Verizon West Virginia Inc.)</p> <p>MCI metro Access Transmission Services, Inc. (TCG Virginia, Inc., adoptee)</p>	<p>6/15/02 adoption effective</p> <p>6/2/02 adoption letter date</p> <p>1/6/03 adoption letter filed</p> <p>9/3/98 MCI metro effective</p>	<p>Amendment 2</p>
<p>Wisconsin (TCG adopted the terms of the AT&T agreement)</p>	<p>Adopted Agreement: INTERCONNECTION, RESALE AND UNBUNDLING AGREEMENT between AT&T COMMUNICATIONS OF WISCONSIN, INC. and GTE NORTH INCORPORATED</p>	<p>GTE North Incorporated (n/k/a Verizon North, Inc.)</p> <p>AT&T Communications of Wisconsin, Inc. (TCG Milwaukee, Inc., adoptee)</p>	<p>11/24/03 adoption effective</p> <p>1/20/04 adoption letter date</p> <p>2/5/04 adoption filed</p> <p>3/11/04 adoption approved</p> <p>2/5/99 AT&T effective</p>	<p>Amendment 1</p>

Attachment 2

Terms and Conditions

1. Definitions.

Notwithstanding anything to the contrary in the Interconnection Agreements, this Amendment, in any applicable tariff or SGAT, or otherwise (including a change to applicable law effected after the Effective Date), the terms defined in this Section (or elsewhere in this Amendment) shall have the respective meanings set forth in this Amendment. A defined term intended to convey the meaning stated in this Amendment is capitalized when used. Other terms that are capitalized, and not defined in this Amendment, shall have the meaning set forth in the Act. Unless the context clearly indicates otherwise, any term defined in this Amendment that is defined or used in the singular shall include the plural, and any term defined in this Amendment that is defined or used in the plural shall include the singular. The words “shall” and “will” are used interchangeably, and the use of either indicates a mandatory requirement. The use of one or the other shall not confer a different degree of right or obligation for either Party. The terms defined in this Amendment have the meanings stated herein for the purpose of this Amendment only, do not otherwise supersede terms defined in the Interconnection Agreement and are not to be used for any other purpose. By agreeing to use the definitions of terms used in this Amendment, neither Party is conceding the definition of a term for any other purpose.

(a) “Act” means the Communications Act of 1934 (47 U.S.C. Section 151 et. seq.), as amended from time to time (including by the Telecommunications Act of 1996).

(b) “Effective Date” means November 1, 2004.

(c) “End Office” means a carrier switch to which telephone service subscriber access lines are connected for the purposes of interconnection to other subscriber access lines and to trunks.

(d) “End User” means a third party residence or business subscriber to Telephone Exchange Services.

(e) “Extended Local Calling Scope Arrangement” means an arrangement that provides an End User a local calling scope (Extended Area Service, “EAS”) outside the End User’s basic exchange serving area. Extended Local Calling Scope Arrangements may be either optional or non-optional. “Optional Extended Local Calling Scope Arrangement Traffic” is traffic that, under an optional Extended Local Calling Scope Arrangement chosen by the End User, terminates outside of the End User’s basic exchange serving area.

(f) “ISP-Bound Traffic” means any Telecommunications traffic originated on the

public switched telephone network (“PSTN”) on a dial-up basis that is transmitted to an Internet service provider at any point during the duration of the transmission, and includes V/FX Traffic that is transmitted to an Internet service provider at any point during the duration of the transmission but, for purposes of this Amendment, does not include Local Traffic or VOIP Traffic (the Parties hereby acknowledging that they shall not be deemed, by virtue of this Amendment, to have agreed for any other purpose whether ISP-Bound Traffic does or does not include Local Traffic or VOIP Traffic).

(g) “LERG” or “Local Exchange Routing Guide” means a Telcordia Technologies publication containing NPA/NXX routing and homing information.

(h) “Local Traffic” consists of Telecommunications traffic for which reciprocal compensation is required by Section 251(b)(5) of the Act or 47 C.F.R Part 51, and is based on calling areas established from time to time by each respective state public service commission (typically based on Verizon’s local calling area, including non-optional EAS, except that, as of the Effective Date, in the State of New York reciprocal compensation is required on a LATA-wide basis) but, for purposes of this Amendment, does not include ISP-Bound Traffic or VOIP Traffic (the Parties hereby acknowledging that they shall not be deemed, by virtue of this Amendment, to have agreed for any other purpose whether Local Traffic does or does not include ISP-Bound Traffic or VOIP Traffic).

(i) “NPA/NXX Code” means area code plus the three-digit switch entity indicator (i.e., the first six digits of a ten-digit telephone number).

(j) “Tandem” or “Tandem Switch” means a physical or logical switching entity that has billing and recording capabilities and is used to connect and switch trunk circuits between and among End Office Switches and between and among End Office Switches and carriers’ aggregation points, points of termination, or points of presence, and to provide Switched Exchange Access Services.

(k) “Virtual Foreign Exchange Traffic” or “V/FX Traffic” means a call to or from an End User assigned a telephone number with an NPA/NXX Code (as set forth in the LERG) associated with an exchange that is different than the exchange (as set forth in the LERG) associated with the actual physical location of such End User’s station.

(l) “VOIP Traffic” means voice communications (including, for this purpose, fax transmissions and other applications, if any, of a type that may be transmitted over voicegrade communications) that are transmitted in whole or in part over packet switching facilities using Internet Protocol, but, for purposes of this Amendment, do not include ISP-Bound Traffic or Local Traffic (the Parties hereby acknowledging that they shall not be deemed, by virtue of this Amendment, to have agreed for any other purpose whether VOIP Traffic does or does not include ISP-Bound Traffic or Local Traffic). For purposes of this Amendment, VOIP Traffic also includes the foregoing communications exchanged between the Parties that are ultimately

originated by, or terminated to, a third party service provider, provided, however, that, in determining responsibility for access charges (if any) associated with VOIP Traffic pursuant to this Amendment, each Party reserves the right to maintain that such access charges are the responsibility of such third party service provider.

(m) “Wire Center” means a building or portion thereof that serves as the premises for one or more End Office switches and related facilities.

2. Conditions Precedent To Applicability of Rates.

(a) In order for the terms set forth in Sections 3 and 4 below to take effect, the following conditions precedent must be satisfied as of the Effective Date (or, in the case of another carrier adopting any of the Interconnection Agreements, as of the effective date of any such adoption and with respect to such carrier and all of its CLEC affiliates): (i) AT&T shall be in compliance with the terms of Section 8 below regarding interconnection architecture; (ii) there shall be no outstanding billing disputes between the Parties with respect to reciprocal compensation or other intercarrier compensation charges by either Party for Local Traffic, ISP-Bound Traffic or VOIP Traffic; and (iii) the Aggregated Traffic Ratio (as defined in Section 3 below) for the last full calendar quarter prior to the Effective Date (or, in the case of another carrier adopting any of the Interconnection Agreements, for the last full calendar quarter prior to the effective date of any such adoption) shall be no greater than five (5) to one (1).

(b) If any of the conditions precedent set forth in Section 2(a) above are not satisfied as of the Effective Date (or in the case of another carrier adopting any of the Interconnection Agreements, as of the effective date of any such adoption), then compensation for ISP-Bound Traffic and Local Traffic exchanged between the Parties shall be governed by the following terms: (i) ISP-Bound Traffic shall be subject to “bill and keep” (i.e., zero compensation); and (ii) Verizon’s then-prevailing reciprocal compensation rates in each particular service territory (as set forth in Verizon’s standard price schedules, as amended) shall apply to Local Traffic exchanged between the Parties. For purposes of the preceding sentence only, all Local Traffic and ISP-Bound Traffic above a 3:1 ratio exchanged between the Parties under an Interconnection Agreement shall be considered to be ISP-Bound Traffic (except in Massachusetts, where a 2:1 ratio, instead of a 3:1 ratio, shall apply).

3. Unitary Rate for ISP-Bound Traffic and Local Traffic.

(a) Except as otherwise set forth in Sections 4, 5 or 6, commencing on the Effective Date, and continuing prospectively for the applicable time periods described below (the “Amendment Term”), when ISP-Bound Traffic or Local Traffic is originated by a Party’s End User on that Party’s network (the “Originating Party”) and delivered to the other Party (the “Receiving Party”) for delivery to an End User of the Receiving Party, the Receiving Party shall bill and the Originating Party shall pay intercarrier compensation at the following equal, symmetrical rates (individually and collectively, the “Unitary Rate”):

- \$.0005 per minute of use (“MOU”) for traffic exchanged beginning on the Effective Date and ending on December 31, 2004;
- \$.00045 per MOU for traffic exchanged beginning January 1, 2005 and ending on December 31, 2005;
- \$.0004 per MOU for traffic exchanged beginning January 1, 2006 and ending on December 31, 2006 (or ending on a later date if and, to the extent that, this Amendment remains in effect (as set forth in Sections 9 and 10 below) after December 31, 2006);

provided, however, that if for any calendar quarter during the Amendment Term the ratio of MOUs, calculated on an aggregated basis across all jurisdictions, of (i) all traffic subject to the Unitary Rate under this Amendment that is originated on the networks of the Verizon Parties and delivered to the AT&T Parties, to (ii) all traffic subject to the Unitary Rate under this Amendment that is originated on the networks of the AT&T Parties and delivered to the Verizon Parties (the “Aggregated Traffic Ratio”), is greater than five (5) to one (1), then the Unitary Rate applicable to all such traffic above a five (5) to one (1) Aggregated Traffic Ratio shall be zero (i.e., “bill and keep”), and the then-applicable Unitary Rate shall continue to apply to all such traffic up to and including a five (5) to one (1) Aggregated Traffic Ratio. For the purpose of calculating the Aggregated Traffic Ratio, and only for that purpose, MOUs of Local Traffic and ISP-Bound Traffic exchanged between AT&T End Users served via UNE-P lines provided by Verizon to AT&T (“AT&T UNE-P lines”) and Verizon End Users (including End Users of a Verizon reseller) shall be included in such calculation; in such case, the calculation of MOUs terminated on AT&T UNE-P lines shall be based on the total MOUs originated by such AT&T UNE-P lines (i.e., the Parties shall assume, for this purpose only, a 1:1 ratio between MOUs originating on, and terminating to, such UNE-P lines). In addition, for the avoidance of doubt, for the purpose of calculating the Aggregated Traffic Ratio, “traffic subject to the Unitary Rate under this Amendment” shall also include VOIP Traffic until such time (if any) as the FCC issues the FCC VOIP Order referred to in Section 5(b) and rules that access charges apply to VOIP Traffic.

(b) Notwithstanding subsection (a) above: (i) for those geographic areas that, as of the Effective Date of this Amendment, are subject to an Interconnection Agreement between the Parties providing that Local Traffic (or the definitional equivalent thereto) within such geographic areas is to be exchanged on a “bill & keep” basis, the Unitary Rate for purposes of this Amendment shall be deemed to be zero (\$0.00) for the duration of the Amendment Term; and (ii) for those geographic areas that, as of the Effective Date of this Amendment, are not subject to existing Interconnection Agreements between the Parties, the Unitary Rate for purposes of this Amendment shall be deemed to be zero (\$0.00) for the duration of the Amendment Term.

(c) Notwithstanding subsection (a) above, the Parties are unable to agree, for purposes of creating a uniform rating methodology under this Amendment, whether V/FX

Traffic that is not ISP-Bound Traffic should be treated like toll traffic that is subject to switched access charges, like Local Traffic subject to the Unitary Rate, or in some other manner. Therefore, the Parties agree that V/FX Traffic that is not ISP-Bound Traffic shall continue to be governed by the treatment accorded such traffic under the terms of the existing Interconnection Agreements between the Parties as in effect prior to this Amendment; provided, however, to the extent such Interconnection Agreements subject V/FX Traffic that is not ISP-Bound Traffic to reciprocal compensation, such traffic shall instead be subject to the Unitary Rate as set forth in this Amendment. Notwithstanding the foregoing terms of this subsection, V/FX Traffic that is VOIP Traffic will be governed by the applicable provisions of Section 5.

4. Traffic Exchanged Over UNE-P Lines.

Notwithstanding Section 3 above, commencing on the Effective Date, and continuing prospectively for the Amendment Term, Local Traffic and ISP-Bound Traffic exchanged over AT&T UNE-P Lines shall continue to be subject to the intercarrier compensation arrangements in place prior to the Effective Date under the applicable Interconnection Agreements, except as otherwise set forth below in this Section 4:

(a) Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, any applicable call flow diagrams, or otherwise, any charges of a type that are considered to be within the scope of “reciprocal compensation charges” (including charges expressly set forth below in this subsection (a) and other charges that may be imposed by a terminating Telecommunications Carrier associated with transport and termination of Local Traffic) for Local Traffic and ISP-Bound Traffic originated by an AT&T End User over a UNE-P line and terminated to a Verizon retail End User or to the End User of a Verizon reseller shall be replaced by the Unitary Rate. (Nothing herein shall limit Verizon’s right to continue assessing the ULCTC charge pursuant to the terms of the Interconnection Agreements (or tariffs, when applicable) throughout the Amendment Term.) For the avoidance of doubt, the foregoing principle (i.e., in the first sentence of this subsection (a)) results in the following rate changes between the Parties in the jurisdictions noted below (but only with respect to such traffic):

(i) Verizon, former Bell Atlantic North States.

(A) Maine: The reciprocal compensation charge from the PUC TELRIC rates file (which immediately prior to the Effective Date was \$0.002084 per MOU (daytime), \$0.001756 per MOU (evening) and \$0.001680 per MOU (night/week-end)) is hereby replaced with the Unitary Rate.

(B) Massachusetts: The reciprocal compensation charge from DTE Tariff 17 Part M Sec. 2.6.3 (which immediately prior to the Effective Date was \$0.001127 per MOU) is hereby replaced with the Unitary Rate.

(C) New Hampshire: The charge for Local Inter-Entity Calls "Shared Transport End-to-End, where call terminates to Telephone Company switch," from PUC Tariff 84 Part M Sec. 2.6.3 (which immediately prior to the Effective Date was \$0.002810 per MOU (daytime), \$0.003860 per MOU (evening) and \$0.001341 per MOU (night/week-end)), is hereby replaced with the Unitary Rate.

(D) New York: The UNRCC (which immediately prior to the Effective Date was \$0.001482 per MOU) is hereby replaced with the Unitary Rate.

(E) Rhode Island: The reciprocal compensation charge from PUC Tariff 18 Part M Sec. 2.6.3 (which immediately prior to the Effective Date was \$0.00187 per MOU) is hereby replaced with the Unitary Rate.

(F) Vermont: The charge for Local Inter-Entity Calls "Shared Transport End-to-End, where call terminates to Telephone Company switch," from Verizon SGAT Sec. 4.7.3.1(A) (which immediately prior to the Effective Date was \$0.004290 per MOU), is hereby replaced with the Unitary Rate.

(ii) Verizon, former Bell Atlantic South States (and the District of Columbia).

(A) Delaware: The charge for terminating switching, which includes an End Office trunk port charge (which immediately prior to the Effective Date was \$0.00133 per MOU in the aggregate) is hereby replaced with the Unitary Rate.

(B) District of Columbia: The charge for terminating switching, which includes an End Office trunk port charge (which immediately prior to the Effective Date was \$0.00300 per MOU in the aggregate) is hereby replaced with the Unitary Rate.

(C) Maryland: The charges for terminating switching and End Office trunk ports (which immediately prior to the Effective Date were \$0.00109 per MOU and \$0.000583 per MOU, for a total of \$0.00167 per MOU) are hereby replaced with the Unitary Rate.

(D) New Jersey: The charge for terminating switching, which includes an End Office trunk port charge (which immediately prior to the Effective Date was \$0.001364 per MOU in the aggregate) is hereby replaced with the Unitary Rate.

(E) Pennsylvania: The charge for terminating switching, which includes an End Office trunk port charge (which immediately prior to the Effective Date was \$0.001615 per MOU in the aggregate) is hereby replaced with the Unitary Rate.

(F) West Virginia: The charge for terminating switching, which includes an End Office trunk port charge (which immediately prior to the Effective Date was

\$0.002505 per MOU in the aggregate) is hereby replaced with the Unitary Rate.

(G) Virginia: No adjustment based on newly ordered flat rate structure, pending implementation and retroactive true-up of such structure in lieu of prior rate structure.

(iii) Verizon, former GTE States: Any charge for terminating switching (and any End Office trunk port charge, if applicable) is hereby replaced with the Unitary Rate.

(b) Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, any applicable call flow diagrams, or otherwise, neither Party shall be entitled to collect from the other Party any intercarrier compensation charges (i.e., reciprocal compensation, the Unitary Rate, or UCRCC/UNRCC charges) in connection with the exchange of Local Traffic or ISP-Bound Traffic that is both originated by and terminated to AT&T End Users, if one or both of the AT&T End Users are served over AT&T UNE-P lines. To the extent Verizon or AT&T is unable to uniquely identify the foregoing traffic, the Parties shall implement this provision via a periodic "true-up."

(c) Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, any applicable call flow diagrams, or otherwise, neither Party shall be entitled to collect from the other Party any intercarrier compensation charges (i.e., reciprocal compensation, the Unitary Rate or UCRCC/UNRCC charges), nor shall Verizon be entitled to collect from AT&T any terminating UNE switching charges or End Office trunk port charges, in connection with the exchange of Local Traffic or ISP-Bound Traffic that is originated by Verizon End Users or the End Users of Verizon resellers and terminated to AT&T UNE-P lines.

5. VOIP Traffic.

(a) In accordance with and to the extent required by the FCC's Order, *In the Matter of Petition for Declaratory Ruling that AT&T's Phone-to-Phone IP Telephony Services are Exempt from Access Charges*, FCC 04-97, WC Docket No. 02-361 (released April 21, 2004) ("AT&T VOIP Order"), any VOIP Traffic exchanged between the Parties that is subject to such AT&T VOIP Order ("Phone-to-Phone VOIP Traffic") shall pursuant to such Order be billed to the responsible Party at the applicable interstate switched access rates as set forth in the Parties' relevant tariffs (including, for the avoidance of any doubt, with respect to both usage and applicable facilities). Should the treatment of traffic subject to the AT&T VOIP Order be modified by the FCC, by a court, or by other applicable federal law, such order or law shall be applied prospectively from the effective date of such order or law to the extent such order or law addresses Phone-to-Phone VOIP Traffic, and each Party reserves all rights to argue for or against retroactive application of that order or law.

(b) Except as provided in subsection (a) above with respect to Phone-to-Phone VOIP

Traffic, the Parties do not agree on whether (and, if so, what) compensation is due in connection with the exchange of VOIP Traffic. Accordingly, until such time as the FCC issues an effective order deciding whether reciprocal compensation, access or some other amount (or regime) constitutes the appropriate compensation due in connection with the exchange of VOIP Traffic (the "FCC VOIP Order"), each Party shall, with respect to VOIP Traffic other than Phone-to-Phone VOIP Traffic (which is addressed in subsection (a) above): (i) track and identify to the other Party sufficient information relating to its VOIP Traffic that is terminated to the other Party to enable the terminating Party to rate such traffic, (ii) conspicuously identify any charges it seeks to impose upon the other Party for termination of VOIP Traffic identified by the other Party to the extent such charges are in excess of the Unitary Rate, and (iii) upon receipt of an invoice from the other Party for charges arising from its termination of such VOIP Traffic, pay an amount no less than the amount that would be due if the Unitary Rate were applied to such VOIP Traffic. Without any probative value as to the merits of either Party's position with respect to the appropriate compensation due on VOIP Traffic, the billed Party may dispute (and withhold payment of) any access or intercarrier compensation charges billed by the other Party on such VOIP Traffic in excess of the Unitary Rate. In addition, the billing Party may accept payment of the lower amount without waiving any claims it may have that a higher amount is due, and the Party delivering such traffic shall be deemed to have taken all steps required in order to preserve any right it may have to not pay a higher amount. Upon the effectiveness of the FCC VOIP Order, such FCC VOIP Order shall be applied prospectively from the effective date of the FCC VOIP Order, and each Party reserves all rights to argue for or against retroactive application of that ruling. In the event the FCC rules that access charges do not apply to such traffic, such traffic shall continue to be subject to the Unitary Rate pursuant to this Amendment.

6. Other Traffic.

Notwithstanding any other provision in the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, or otherwise:

(a) AT&T shall not knowingly deliver to Verizon Local Traffic or ISP-Bound Traffic that originates with a third Telecommunications Carrier, except (i) in exchanges where such Telecommunications Carrier uses AT&T as the sole means of both terminating Local Traffic and ISP-Bound Traffic to Verizon's network and receiving Local Traffic and ISP-Bound Traffic originating on the Verizon network, (ii) where the Parties exchange Local Traffic and ISP-Bound Traffic with such Telecommunications Carrier for purposes of overflow or redundancy, (iii) if AT&T pays Verizon the same amount that such third Telecommunications Carrier would have paid Verizon for that traffic at the location the traffic is delivered to Verizon by AT&T, not to exceed the applicable Tandem or End Office reciprocal compensation charges for such jurisdiction, or (iv) as may be subsequently agreed to in writing by the Parties.

(b) Local Traffic or ISP-Bound Traffic that originates with a third Telecommunications Carrier and is handed off by AT&T to Verizon pursuant to Section 6(a)

above, as well as Local Traffic or ISP-Bound Traffic that Verizon hands off to AT&T for delivery to a third Telecommunications Carrier, in each case other than such traffic that is not routed through such Telecommunications Carrier's own switch, shall not be included in the calculation of the Aggregated Traffic Ratio in Section 3(a) above.

(c) Notwithstanding the foregoing provisions of Section 6(a), Verizon, in its sole discretion, may elect to deliver Local Traffic or ISP-Bound Traffic originating on its network directly to any third Telecommunications Carrier that is also exchanging such traffic with Verizon through AT&T's network, provided it has made appropriate arrangements with such third Telecommunications Carrier. In the event Verizon elects to do so, AT&T will be deemed to have satisfied the conditions under Section 6(a)(i) above with respect to such direct-trunked traffic.

(d) In determining whether traffic of a third Telecommunications Carrier exchanged with Verizon under Sections 6(a)(i) and 6(a)(iii) above is Local Traffic/ISP-Bound Traffic or, alternatively, interexchange/toll traffic, the terms and conditions of the applicable interconnection agreement (if any) in effect between such third Telecommunications Carrier and Verizon shall control. By way of example, if such an interconnection agreement provides that V/FX Traffic is subject to switched exchange access charges, it shall continue to be subject to such charges even if exchanged with Verizon through AT&T. Verizon will disclose any such interconnection agreement provisions to AT&T upon request.

(e) AT&T may not charge Verizon any fees for transiting Local Traffic or ISP-Bound Traffic from Verizon to a third Telecommunications Carrier pursuant to Section 6(a)(i) or (ii) above other than the Unitary Rate. AT&T may not charge Verizon any fees for transiting Local Traffic or ISP-Bound Traffic from Verizon to a third Telecommunications Carriers pursuant to Section 6(a)(iii) above other than the same amount that such third carrier would have charged Verizon for that traffic.

7. Identification and Routing of Calls.

The Parties shall comply with all terms and provisions set forth in the Interconnection Agreements relating to routing and transmission of call record information, as well as with all applicable laws and regulations relating to each Party's routing and identification of its domestic voice traffic, including all FCC rules governing calling party number ("CPN") information and SS7 signaling information. Where call records do not provide an accurate basis for jurisdictionalization of traffic for intercarrier compensation purposes, the Parties shall use other appropriate methods to be agreed upon.

8. Interconnection Architecture.

Notwithstanding any other provision in the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, or otherwise, this Section sets forth the Parties' respective rights and

obligations regarding interconnection architecture during the Amendment Term.

(a) Traffic To Which The Interconnection Architecture Applies.

The network interconnection architecture arrangements set forth in this Amendment apply to interconnection facilities used by the Parties to exchange Local Traffic and ISP-Bound Traffic. They also apply to interconnection facilities used by the Parties to exchange translated LEC IntraLATA toll free service access code (e.g., 800/888/877) traffic, IntraLATA Toll traffic, tandem transit traffic, V/FX Traffic that is not ISP-Bound Traffic, and VOIP Traffic, subject, however, to the applicable terms, if any, set forth in the Interconnection Agreements or applicable tariffs (if any) relating to compensation for facilities, as modified by this Amendment.

Traffic subject to the Unitary Rate under this Amendment (including VOIP Traffic subject to Section 5(b)) may be routed by either Party in the same manner as required for Local Traffic pursuant to the applicable Interconnection Agreements (as modified pursuant to this Section); provided, however, that use of such arrangements for VOIP Traffic may not be cited by or used against either Party to support either Party's position concerning the applicability of access charges or separate trunking requirements for VOIP Traffic. To the extent (i) the pricing for interconnection facilities may differ depending on the extent to which such facilities are used for Local Traffic or for "toll," "access" or "non-reciprocal compensation" traffic, and (ii) such interconnection facilities are used for the exchange of VOIP traffic (other than traffic subject to the AT&T VOIP Order), until such time (if any) as the FCC determines that access charges apply to such traffic, the Parties shall treat such traffic as Local Traffic, in accordance with the terms of the applicable Interconnection Agreement(s) (as modified pursuant to this Section), for purposes of determining billing and payment for such facilities, but in doing so the billing Party shall not be deemed to have waived any claims it may have for application of a higher transport rate should the FCC rule that access charges apply to such traffic. In the event the FCC rules that access charges apply to such VOIP traffic, such traffic will be treated as "access traffic" for purposes of determining billing and payment for such facilities.

(b) Terms for Grandfathering of Existing Interconnection Architecture.

(i) Subject to the terms of this Amendment, the Parties shall "grandfather" their carrier-specific point of interconnection ("POI") architecture existing as of the Effective Date in any LATA where any of the AT&T Parties is interconnected, as of the Effective Date, with Verizon on a direct or indirect (i.e., through another local exchange carrier) basis. As such, in those LATAs in which the Parties are interconnected as of the Effective Date, Verizon shall deliver traffic to AT&T switch(es) in such LATAs where Verizon has an obligation to do so pursuant to the terms of the applicable Interconnection Agreements; and AT&T shall deliver traffic to Verizon Tandems and End Offices in such LATAs where AT&T has an obligation to do so pursuant to the terms of the applicable Interconnection Agreements.

(ii) AT&T shall establish direct end office trunks between any AT&T End Office and any Verizon End Office when traffic between such End Offices reaches 1215 busy

hour centium call seconds (“BHCCS”) in any two (2) consecutive months (or in any three (3) of six (6) consecutive months). Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, or otherwise, AT&T shall be financially responsible for any transport facilities associated with such direct end office trunking to the Verizon End Office for traffic originating on AT&T’s network.

(iii) For the avoidance of any doubt, the term “transport” as used in this Amendment includes transport facilities, as well as any multiplexing and entrance facilities, to the extent applicable.

(iv) In addition to any other interconnection methods set forth in the applicable Interconnection Agreements, both Parties may meet the foregoing interconnection obligations through purchasing transport from the other Party or a third party, or through self-provisioning. AT&T may self-provision via collocation at the applicable Verizon Wire Center (or via collocation at another Verizon Wire Center in the applicable LATA and the purchase of transport from such Verizon Wire Center (at which AT&T collocates) to the applicable Wire Center), subject to the collocation terms of the applicable Interconnection Agreement or Verizon tariff; and Verizon may do so via an arrangement in which Verizon places its equipment in an AT&T Wire Center, and AT&T provides space and power. For such self-provisioning arrangements that Verizon establishes on or after the Effective Date at an AT&T premise, AT&T shall provide the arrangements at rates no less favorable (taken as a whole) than Verizon collocation rates, and under terms and conditions subject to negotiation and mutual agreement by the Parties. (For avoidance of doubt, AT&T’s collocation rates need not be structured identically to Verizon’s rates. For example, AT&T may assess fees for space and power on DS-1 or DS-3 increments rather than by square footage.) For such self-provisioning arrangements that Verizon established prior to the Effective Date at an AT&T premise, if the applicable Interconnection Agreement provides AT&T with the right to charge for such arrangements, and if AT&T was charging Verizon, as of the Effective Date, for such arrangements, Verizon will continue to have an obligation to pay those charges. Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, or otherwise, Verizon shall not have an obligation to pay any charges associated with the use of AT&T space and power for any such pre-existing arrangements for which AT&T was not charging Verizon as of the Effective Date.

(v) Where an AT&T switch is outside the originating Verizon Tandem serving area, and where Verizon is purchasing transport from AT&T, then AT&T shall charge Verizon transport mileage charges that are calculated using the lesser of the actual airline mileage for the transport Verizon purchases from AT&T or 10 miles. Where an AT&T switch is within the originating Verizon Tandem service area, and where Verizon is purchasing transport from AT&T, AT&T may charge Verizon transport mileage charges calculated using the actual airline mileage for the transport Verizon purchases from AT&T. Subject to the foregoing, in those jurisdictions where Verizon is providing interconnection transport to AT&T, AT&T shall charge Verizon a transport rate that is no higher than the lower of (A) the transport rate that Verizon charges AT&T in such jurisdictions, subject to application of the available Verizon

volume and term pricing requirements as provided below in subsection (vii) (and, for the avoidance of any doubt, Verizon's own volumes of transport obtained from AT&T shall be applied in determining whether Verizon qualifies for any volume and term pricing requirements), and (B) the rate that would be available to Verizon pursuant to the applicable AT&T tariff that corresponds to the tariff providing the basis (i.e., intrastate or interstate special access) for Verizon's rates without regard to this Amendment, subject to application of the available volume and term pricing requirements available under the AT&T tariff as provided below in subsection (vii) based on Verizon's volumes of transport obtained from AT&T. Under each of subsections (A) and (B) above, where Verizon uses Percent Interstate Usage ("PIU") and Percent Local Usage ("PLU") factors for purposes of Verizon's billing of transport to AT&T pursuant to the Interconnection Agreement, AT&T shall apply to such billing of Verizon the same PIU and PLU factors, where applicable, that AT&T provides to Verizon, which factors may be calculated by AT&T on a total volume-weighted statewide or LATA-wide basis as agreed upon by the Parties.

(vi) In those jurisdictions where Verizon is not providing interconnection transport to AT&T, the transport amount that AT&T shall charge to Verizon for purposes of this Section shall be an amount no higher than the Verizon interstate access rates for the applicable jurisdiction, subject to the volume and terms pricing requirements as provided below. At such time that Verizon provides interconnection transport to AT&T in such a jurisdiction, then the terms of the immediately preceding subsection shall apply.

(vii) In all cases described above, each Party shall make available to the other Party any applicable volume and term pricing (subject to the other Party meeting the requirements of the volume and term plan).

(viii) Notwithstanding any other provision of the Interconnection Agreements, this Amendment, an applicable tariff or SGAT, or otherwise, AT&T shall reflect the charges for interconnection transport set forth in this Amendment beginning in its January 2005 invoices to Verizon.

(c) FCC Interconnection Architecture Rules.

If, prior to the expiration of the Amendment Term, the FCC issues an order, modifying the network interconnection rules, in its Unified Intercarrier Compensation Regime proceeding (CC Docket 01-92), upon a Party's written request, the Parties shall, on a market by market basis, discuss in good faith how, if at all, they wish to conform the existing network interconnection architecture to the newly adopted FCC rules. For the avoidance of any doubt, implementation of such new rules taking effect prior to the expiration of the Amendment Term would be subject to the mutual, written agreement of the Parties, and implementation of such new rules to take effect after December 31, 2006 would be subject to the provisions of any Interconnection Agreement related to modifying an Interconnection Agreement for a change of law.

(d) New Interconnection Architecture Provisions.

(i) The terms set forth above in this Section shall apply to any of the AT&T Parties in any LATA where any of the AT&T Parties is interconnected, as of the Effective Date, with Verizon on a direct or indirect (i.e., through another local exchange carrier) basis. If none of the AT&T Parties is interconnected either directly or indirectly with Verizon in a LATA, the implementation of any interconnection by either Party shall be pursuant to the mutual POI terms and conditions set forth below. Appendix A sets forth those LATAs where AT&T and Verizon are not interconnected as of the Effective Date and for which the mutual POI terms set forth below shall apply, if interconnection is implemented between the Parties in those LATAs.

(ii) AT&T shall establish at least one (1) mutual POI (i.e., a technically feasible point on Verizon's network at which each Party delivers its originating traffic to the other Party) in each of the Verizon Tandem serving areas in each LATA in which either of the Parties wishes to exchange (but is not exchanging as of the Effective Date) traffic.

(iii) Except for LATAs 132 (in New York) and 224 (in New Jersey), the default mutual POI location(s) shall be (A) at each local Tandem location where Verizon houses separate local and access Tandems in the same Wire Center; and (B) at each Verizon local Tandem location, including those combination Tandems that provide both local and access functionality, provided that the number of mutual POIs established at local-only Tandem locations (i.e., there is no combination access functionality or separate access Tandem in the same Wire Center) does not exceed the number of Verizon access Tandems in the LATA. If the number of Verizon local-only Tandems in a LATA exceeds the number of Verizon access Tandems in a LATA, then Verizon may designate which local Tandem locations will be mutual POI locations; provided, however, AT&T shall provide separate trunk groups to those local Tandems at which a mutual POI has not been established by AT&T or direct End Office trunks for its originating traffic that is destined for a Verizon End Office that subtends a Verizon local Tandem at which a mutual POI has not been established by AT&T. For LATAs 132 and 224 (to the extent they are not grandfathered pursuant to Section 8(b) above), the default mutual POI location(s) shall be each Verizon local Tandem location irrespective of the number or location of Verizon access Tandems.

(iv) In any LATA in which there are fewer than two (2) Verizon local Tandems, in addition to the mutual POI at the Verizon Tandem Wire Center(s) as described above, AT&T shall establish additional mutual POIs at a Verizon End Office Wire Center when total traffic exchanged between any AT&T End Office and such Verizon End Office reaches 1215 BHCCS in any two (2) consecutive months (or in any three (3) of six (6) consecutive months), unless otherwise mutually agreed to in writing by the Parties. AT&T shall establish direct End Office trunks to such Verizon End Office when total traffic exchanged between any AT&T End Office and that End Office reaches 1215 BHCCS in any two (2) consecutive months (or in any three (3) of six (6) consecutive months). AT&T may meet the direct end office trunking obligation through purchasing transport from Verizon or a third party, or through self-

provisioning via collocation.

(v) Where the Verizon End Office subtends a third party carrier Tandem, then subject to the following condition, each Party shall have the right to interconnect via transiting the third party Tandem for traffic originated by such Party. If the total volume of traffic exchanged between a certain AT&T switch and a certain Verizon End Office reaches 1215 BHCCS in any two (2) consecutive months (or in any three (3) of six (6) consecutive months), AT&T shall establish direct End Office trunks between such locations. At its discretion, AT&T also may establish direct End Office trunks between such locations at a lower traffic volume threshold. The mutual POI will be the existing meet point between Verizon and the Tandem transit provider.

(vi) Where a Verizon switch and an AT&T facility have a common location as set forth in Appendix B to this Amendment, the Parties may effect interconnection for their originating traffic where an applicable Interconnection Agreement specifies use of one way trunks, and for both Parties' respective traffic where an applicable Interconnection Agreement specifies use of two way trunks, via direct intrabuilding cable connection pursuant to rates, terms, and conditions comparable to those set forth in the Parties' New York Interconnection Agreement as in effect on the Effective Date.

9. Early Termination of Interconnection Agreement.

Notwithstanding any other provision of the Interconnection Agreements, this Amendment, any applicable tariff or SGAT, or otherwise, the terms contained herein shall govern the relationship of the Parties with respect to the subject matter set forth herein, through December 31, 2006, and thereafter as well until such time as such terms are superseded by a subsequent Interconnection Agreement effective after December 31, 2006 or are modified pursuant to Section 10 of this Amendment, notwithstanding the fact that an Interconnection Agreement may expire or be terminated prior to that date. In case of the expiration or termination of an Interconnection Agreement prior to December 31, 2006, the terms contained herein shall continue to remain in effect through December 31, 2006 and thereafter until such time as such terms are superseded by a subsequent Interconnection Agreement effective after December 31, 2006, or are modified pursuant to Section 10 of this Amendment.

10. Modification of Terms.

Notwithstanding any other provision of the Interconnection Agreements, this Amendment, any applicable tariff or SGAT, or otherwise, upon thirty (30) days advance written notice, either Party may initiate a request, to take effect at any time after December 31, 2006, for an amendment to the Interconnection Agreement(s) to reflect a change of law, or may request inclusion of new or different terms as part of the negotiation or arbitration of a new interconnection agreement, or may request an amendment to an existing agreement providing new or different terms governing intercarrier compensation and network interconnection

architecture, provided that neither Party shall be obligated to agree to any such request, and in the event the Parties are unable to agree upon different terms or an amendment to an existing Interconnection Agreement, either Party may seek to have the issue arbitrated pursuant to applicable procedures governing the Interconnection Agreement.

Appendix A

LATAs Where Verizon and AT&T Are Not Interconnected As of the Effective Date

Hawaii - LATA 834

Mattoon, IL - LATA 976

Macomb, IL - LATA 977

Louisville, IN - LATA 462

Richmond, IN - LATA 937

Reno, NV - LATA 720

Lima-Mansfield, OH - LATA 923

Blue Field, VA - 932

Appendix B

3D Condo and Shared Network Facility Arrangements (“SNFA”) Established Between the Parties as of the Effective Date

VERIZON 3D CONDO SITES - 28 locations
<u>Mid-Atlantic</u>
1. 30 E Street, S.W., Washington, D.C.
2. 8670 Georgia Avenue, Silver Spring, MD
3. 323 N. Charles Street, Baltimore, MD
4. 65/75 W. Passaic Street, Rochelle Park, NJ
5. 175 W. Main Street, Freehold, NJ
6. 88 Horsehill Road, Cedar Knolls, NJ
7. 1300 Whitehorse Pike, Hamilton SQ, NJ
8. 95 William Street, Newark, NJ
9. 12 N. 7th Street, Camden, NJ
10. 2510 Turner Road, Richmond, VA
11. 900 Walter Reed Drive, Arlington, VA
12. 120-136 W. Bute Street, Norfolk, VA
13. 816 Lee Street, Charleston WV
14. 703 E. Grace Street, Richmond, VA
15. 225 Franklin Street, Roanoke, VA
16. 210 Pine Street, Harrisburg, PA
<u>New England</u>
1. 250 Bent Street, Cambridge, MA
2. 351 Bridge Street, Springfield, MA
3. 425 Canal Street, Lawrence, MA
4. 45-55 Forest Street, Portland, ME
5. 25 Concord Street, Manchester, NH
6. One Greene Street, Providence, RI
7. 29 Gates Street, White River Junction, VT
<u>New York</u>
1. 33 Thomas Street, New York, NY
2. 158 State Street, Albany, NY
3. 62-64 Henry Street, Binghamton, NY

- 4. 65 Franklin Street, Buffalo, NY
- 5. 201 S. State Street, Syracuse, NY

VERIZON SNFA SITES - 11 locations	
City/State	Street Address
Verizon SNFA Billed to AT&T	
1. Wheeling, WV	1501-1515 Chapline St.
2. Lynchburg, VA	706 Church St.
3. Staunton, VA	115 Fillmore St.
4. Harrisburg, PA	210 Pine St.
5. Williamsport, PA	404 West Fourth St.
6. Garden City, NY	Address Not Available
Verizon SNFA Paid to AT&T	
7. Fredericksburg, VA	State Road 654
8. Newark, NJ	95 William St.
9. Worcester, MA	175 Main St.
10. Highland, NY	Top of Illinois Mountain
11. White Plains, NY	360 Hamilton Ave - D-Bldg.