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February 17, 2009

Ms. Reneé Jenkins
Docketing Division
Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

RE: Application of United Telephone Company of Ohio d/b/a Embarq for Approval of a
Negotiated Agreement with Intrado Communications, Inc.

PUCO Case No: 09-113-TP-NAG
90-5041-TP-TRF

Dear Ms. Jenkins:

Enclosed for filing is an Application of United Telephone Company of Ohio d/b/a Embarq for Approval of a Negotiated Agreement with Intrado Communications, Inc. under Section 252 of the Telecommunications Act of 1996. The Telecommunications Application Form is also being submitted at this time.

Thank you for your assistance in this matter.

Sincerely,

Gary S. Baki

Enclosures

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of
United Telephone Company of Ohio d/b/a
Embarq for the Approval of a Negotiated
Agreement with Intrado Communications,
Inc. Under Section 252 of the
Telecommunications Act of 1996

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Case No. 09-113-TP-NAG

APPLICATION FOR APPROVAL OF A NEGOTIATED AGREEMENT UNDER THE
TELECOMMUNICATIONS ACT OF 1996

United Telephone Company of Ohio d/b/a Embarq applies to the Commission for review and approval of the attached Interconnection, Collocation and Resale Agreement that is dated February 6, 2009, ("the Agreement") between United Telephone Company of Ohio d/b/a Embarq ("Embarq") and Intrado Communications, Inc. ("CLEC"), pursuant to the provisions of Section 252(e) of the Telecommunications Act of 1996, Pub. L. 104-104, 110 Stat. 56 (1996) (codified at 47 U.S.C. 151 et seq.) ("the Act").

The Agreement, which establishes the rates, terms and conditions for interconnection, collocation and resale, was arrived at through negotiations between Embarq and CLEC as contemplated by Section 252(a) of the Act.

The Agreement is filed pursuant to the procedures set forth in Section 252(e) of the Act. Under Sections 252(e) (1) and (2), the Commission must approve the Agreement unless the Agreement or a portion thereof "...discriminates against a telecommunications carrier not a party to the agreement" or "...implementation of such agreement or portion is not consistent with the public interest, convenience and necessity."

The attached Agreement does not discriminate against any telecommunications carrier that is not a party to the Agreement. Embarq will make the Agreement available to any other carrier operating in Embarq service territory. However, the Agreement does not preclude different arrangements with other carriers. In addition, this Agreement does not impact any other company's right to negotiate or arbitrate under the Act.

The attached Agreement is consistent with the public interest, convenience and necessity because it allows for interconnection, collocation and resale by the CLEC. The Agreement represents the end product of good faith negotiations between Embarq and CLEC. This is exactly the type of private negotiation and agreement envisioned by the Congress when it crafted the Act. Therefore, the implementation of the Agreement will be consistent with the public interest, convenience and necessity.

Embarq requests that the Commission approve the Agreement.

Respectfully submitted,



Joseph R. Stewart (Ohio Reg. No. 0028763)
Attorney for United Telephone Company of Ohio
d/b/a Embarq
50 West Broad Street, Suite 3600
Columbus, Ohio 43215-5918
Telephone: 614/220-8625
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joseph.r.stewart@embarq.com

CERTIFICATE OF SERVICE

Copies of the foregoing Application for Approval of a Negotiated Agreement between United Telephone Company of Ohio d/b/a Embarq and Intrado Communications, Inc. were served on the following person by first class mail, postage prepaid on this 17th day of February, 2009.



Joseph R. Stewart (Ohio Reg. No. 0028763)
Attorney for United Telephone Company of Ohio
d/b/a Embarq
50 West Broad Street, Suite 3600
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Intrado Communications, Inc.
Director – Regulatory Compliance
1601 Dry Creek Drive
Longmont, CO 80503

The Public Utilities Commission of Ohio
TELECOMMUNICATIONS APPLICATION FORM for ROUTINE PROCEEDINGS
(Effective: 01/18/2008)

In the Matter of the Application of United Telephone)
Company of Ohio d/b/a Embarq for a Negotiated Agreement)
with Intrado Communications, Inc.)

TRF Docket No. 90-5041-TP-TRF

Case No. 09 - 113 - **TP** - **NAG**

NOTE: Unless you have reserved a Case # or are filing a Contract, leave the "Case No" fields BLANK.

Name of Registrant(s) United Telephone Company of Ohio

DBA(s) of Registrant(s) Embarq

Address of Registrant(s) 50 W. Broad Street, Suite 3600, Columbus, OH 43215

Company Web Address www.embarq.com

Regulatory Contact Person(s) Gary Baki

Phone 614-220-8629

Fax 614-224-3902

Regulatory Contact Person's Email Address gary.s.baki@embarq.com

Contact Person for Annual Report Mike Mohr

Phone 913-323-7635

Address (if different from above) _____

Consumer Contact Information Cynthia Smith-Clapp

Phone 800-238-3095

Address (if different from above) Embarq, Executive and Regulatory Services, Tarboro, NC 27886

Motion for protective order included with filing? ☐ Yes ☒ No

Motion for waiver(s) filed affecting this case? ☐ Yes ☒ No [Note: Waivers may toll any automatic timeframe.]

Section I – Pursuant to Chapter 4901:11-6 OAC – Part I – Please indicate the Carrier Type and the reason for submitting this form by checking the boxes below. CMRS providers: Please see the bottom of Section II.

NOTES: (1) For requirements for various applications, see the identified section of Ohio Administrative Code Section 4901 and/or the supplemental application form noted.

(2) Information regarding the number of copies required by the Commission may be obtained from the Commission's web site at www.puco.ohio.gov under the docketing information system section, by calling the docketing division at 614-466-4095, or by visiting the docketing division at the offices of the Commission.

Carrier Type <input type="checkbox"/> Other (explain below)	<input type="checkbox"/> ILEC	<input type="checkbox"/> CLEC	<input type="checkbox"/> CTS	<input type="checkbox"/> AOS/IOS
Tier 1 Regulatory Treatment				
Change Rates within approved Range	<input type="checkbox"/> TRF 1-6-04(B) (0 day Notice)	<input type="checkbox"/> TRF 1-6-04(B) (0 day Notice)		
New Service, expanded local calling area, correction of textual error	<input type="checkbox"/> ZTA 1-6-04(B) (0 day Notice)	<input type="checkbox"/> ZTA 1-6-04(B) (0 day Notice)		
Change Terms and Conditions, Introduce non-recurring service charges	<input type="checkbox"/> ATA 1-6-04(B) (Auto 30 days)	<input type="checkbox"/> ATA 1-6-04(B) (Auto 30 days)		
Introduce or Increase Late Payment or Returned Check Charge	<input type="checkbox"/> ATA 1-6-04(B) (Auto 30 days)	<input type="checkbox"/> ATA 1-6-04(B) (Auto 30 days)		
Business Contract	<input type="checkbox"/> CTR 1-6-17 (0 day Notice)	<input type="checkbox"/> CTR 1-6-17 (0 day Notice)		
Withdrawal	<input type="checkbox"/> ATW 1-6-12(A) (Non-Auto)	<input type="checkbox"/> ATW 1-6-12(A) (Auto 30 days)		
Raise the Ceiling of a Rate	Not Applicable	<input type="checkbox"/> SLF 1-6-04(B) (Auto 30 days)		
Tier 2 Regulatory Treatment				
Residential - Introduce non-recurring service charges	<input type="checkbox"/> TRF 1-6-05(E) (0 day Notice)	<input type="checkbox"/> TRF 1-6-05(E) (0 day Notice)		
Residential - Introduce New Tariffed Tier 2 Service(s)	<input type="checkbox"/> TRF 1-6-05(C) (0 day Notice)	<input type="checkbox"/> TRF 1-6-05(C) (0 day Notice)	<input type="checkbox"/> TRF 1-6-05(C) (0 day Notice)	
Residential - Change Rates, Terms and Conditions, Promotions, or Withdrawal	<input type="checkbox"/> TRF 1-6-05(E) (0 day Notice)	<input type="checkbox"/> TRF 1-6-05(E) (0 day Notice)	<input type="checkbox"/> TRF 1-6-05(E) (0 day Notice)	
Residential - Tier 2 Service Contracts	<input type="checkbox"/> CTR 1-6-17 (0 day Notice)	<input type="checkbox"/> CTR 1-6-17 (0 day Notice)	<input type="checkbox"/> CTR 1-6-17 (0 day Notice)	
Commercial (Business) Contracts	Not Filed	Not Filed	Not Filed	
Business Services (see "Other" below)	Detariffed	Detariffed	Detariffed	
Residential & Business Toll Services (see "Other" below)	Detariffed	Detariffed	Detariffed	

Section I – Part II – Certificate Status and Procedural

Certificate Status	ILEC	CLEC	CTS	AOS/IOS
Certification (See Supplemental ACE form)		<input type="checkbox"/> ACE 1-6-10 (Auto 30 days)	<input type="checkbox"/> ACE 1-6-10 (Auto 30 days)	<input type="checkbox"/> ACE 1-6-10 (Auto 30 days)
Add Exchanges to Certificate	<input type="checkbox"/> ATA 1-6-09(C) (Auto 30 days)	<input type="checkbox"/> AAC 1-6-10(F) (0 day Notice)	CLECs must attach a current CLEC Exchange Listing Form	
Abandon all Services - With Customers	<input type="checkbox"/> ABN 1-6-11(A) (Non-Auto)	<input type="checkbox"/> ABN 1-6-11(A) (Auto 90 day)	<input type="checkbox"/> ABN 1-6-11(B) (Auto 14 day)	<input type="checkbox"/> ABN 1-6-11(B) (Auto 14 day)
Abandon all Services - Without Customers		<input type="checkbox"/> ABN 1-6-11(A) (Auto 30 days)	<input type="checkbox"/> ABN 1-6-11(B) (Auto 14 day)	<input type="checkbox"/> ABN 1-6-11(B) (Auto 14 day)
Change of Official Name (See below)	<input type="checkbox"/> ACN 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> ACN 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)
Change in Ownership (See below)	<input type="checkbox"/> ACO 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> ACO 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)
Merger (See below)	<input type="checkbox"/> AMT 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> AMT 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)
Transfer a Certificate (See below)	<input type="checkbox"/> ATC 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> ATC 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)
Transaction for transfer or lease of property, plant or business (See below)	<input type="checkbox"/> ATR 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> ATR 1-6-14(B) (Auto 30 days)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)	<input type="checkbox"/> CIO 1-6-14(A) (0 day Notice)
Procedural				
Designation of Process Agent(s)	<input type="checkbox"/> TRF (0 day Notice)	<input type="checkbox"/> TRF (0 day Notice)	<input type="checkbox"/> TRF (0 day Notice)	<input type="checkbox"/> TRF (0 day Notice)

Section II – Carrier to Carrier (Pursuant to 4901:1-7), CMRS and Other

Carrier to Carrier	ILEC	CLEC		
Interconnection agreement, or amendment to an approved agreement	<input checked="" type="checkbox"/> NAG 1-7-07 (Auto 90 day)	<input type="checkbox"/> NAG 1-7-07 (Auto 90 day)		
Request for Arbitration	<input type="checkbox"/> ARB 1-7-09 (Non-Auto)	<input type="checkbox"/> ARB 1-7-09 (Non-Auto)		
Introduce or change c-t-c service tariffs,	<input type="checkbox"/> ATA 1-7-14 (Auto 30 day)	<input type="checkbox"/> ATA 1-7-14 (Auto 30 day)		
Introduce or change access service pursuant to 07-464-TP-COI	<input type="checkbox"/> ATA (Auto 30 day)			
Request rural carrier exemption, rural carrier suspension or modification	<input type="checkbox"/> UNC 1-7-04 or 1-7-05 (Non-Auto)	<input type="checkbox"/> UNC 1-7-04 or 1-7-05 (Non-Auto)		
Pole attachment changes in terms and conditions and price changes.	<input type="checkbox"/> UNC 1-7-23(B) (Non-Auto)	<input type="checkbox"/> UNC 1-7-05 (Non-Auto)		
CMRS Providers See 4901:1-6-15	<input type="checkbox"/> RCC [Registration & Change in Operations] (0 day)		<input type="checkbox"/> NAG [Interconnection Agreement or Amendment] (Auto 90 days)	
Other* (explain) _____				

*NOTE: During the interim period between the effective date of the rules and an Applicant's Detariffing Filing, changes to existing business Tier 2 and all toll services, including the addition of new business Tier 2 and all new toll services, will be processed as 0-day TRF filings, and briefly described in the "Other" section above.

All Section I and II applications that result in a change to one or more tariff pages require, at a minimum, the following exhibits. Other exhibits may be required under the applicable rule(s). ACN, ACO, AMT, ATC, ATR and CIO applications see the 4901:1-6-14 Filing Requirements on the Commission's Web Page for a complete list of exhibits.

Exhibit	Description:
A	The tariff pages subject to the proposed change(s) as they exist before the change(s)
B	The Tariff pages subject to the proposed change(s), reflecting the change, with the change(s) marked in the right margin.
C	A short description of the nature of the change(s), the intent of the change(s), and the customers affected.
D	A copy of the notice provided to customers, along with an affidavit that the notice was provided according to the applicable rule(s).

Section III. – Attestation

Registrant hereby attests to its compliance with pertinent entries and orders issued by the Commission.

AFFIDAVIT

Compliance with Commission Rules and Service Standards

I am an officer/agent of the applicant corporation, United Telephone Company of Ohio, and am authorized to make this statement on its behalf.
(Name)

I attest that these tariffs comply with all applicable rules, including the Minimum Telephone Service Standards (MTSS) Pursuant to Chapter 4901:1-5 OAC for the state of Ohio. I understand that tariff notification filings do not imply Commission approval and that the Commission's rules, including the Minimum Telephone Service Standards, as modified and clarified from time to time, supersede any contradictory provisions in our tariff. We will fully comply with the rules of the state of Ohio and understand that noncompliance can result in various penalties, including the suspension of our certificate to operate within the state of Ohio.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on (Date) _____ at (Location) _____

*(Signature and Title) _____ (Date) _____

- *This affidavit is required for every tariff-affecting filing. It may be signed by counsel or an officer of the applicant, or an authorized agent of the applicant.*

VERIFICATION

I, Joseph R. Stewart

verify that I have utilized the Telecommunications Application Form for Routine Proceedings provided by the Commission and that all of the information submitted here, and all additional information submitted in connection with this case, is true and correct to the best of my knowledge.

*(Signature and Title) Joseph R. Stewart, Senior Counsel (Date) February 17, 2009

**Verification is required for every filing. It may be signed by counsel or an officer of the applicant, or an authorized agent of the applicant.*

Send your completed Application Form, including all required attachments as well as the required number of copies, to:

**Public Utilities Commission of Ohio
Attention: Docketing Division
180 East Broad Street, Columbus, OH 43215-3793**

Or

Make such filing electronically as directed in Case No 06-900-AU-WVR



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

October 27, 2008

Intrado Communications Inc.

and

United Telephone Company of Ohio
United Telephone Company of Indiana

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TABLE TWO	ERROR! BOOKMARK NOT DEFINED.
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INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT

This Interconnection, Collocation and Resale Agreement (the "Agreement"), dated this 27th day of October, 2008, is entered into by and between Intrado Communications Inc (hereafter referred to as INTRADO COMM), a Delaware corporation, and United Telephone Company of Ohio and United Telephone Company of Indiana (collectively, "Embarq"), an Ohio corporation and Indiana corporation, respectively, to establish the rates, terms and conditions for local interconnection, collocation, local resale, and purchase of unbundled Network Elements (individually referred to as the "service" or collectively as the "services").

WHEREAS, the Parties seek to interconnect their local exchange networks for the purposes of transmission and termination of calls, so that End Users of each can receive calls that originate on the other's network and place calls that terminate on the other's network, and for INTRADO COMM's use in the provision of telephone exchange service and exchange access ("Local Interconnection"); and

WHEREAS, INTRADO COMM seeks to purchase Telecommunications Services for resale to others, and Embarq is willing to provide these services; and

WHEREAS, INTRADO COMM seeks to purchase unbundled Network Elements, ancillary services and functions and additional features ("Network Elements") for the provision of Telecommunications Services to others, and Embarq is willing to provide unbundled Network Elements and services; and

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

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

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

PART A – DEFINITIONS

1. DEFINED TERMS

- 1.1. Capitalized terms defined in this Section shall have the meanings as set forth in this Agreement. Other terms used but not defined will have the meanings ascribed to them in the Act or in the Rules and Regulations of the FCC or the Commission. The Parties acknowledge that other terms appear in this Agreement, which are not defined or ascribed as stated above. The Parties agree that any such terms shall be construed in accordance with their customary usage in the telecommunications industry as of the Effective Date of this Agreement.
- 1.2. **“911 Service”** or **“9-1-1 Service”** means a universal telephone number that gives the public direct access to the Public Safety Answering Point (“PSAP”). Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then sent to the correct authority designated to receive such calls.
- 1.3. **“Access Services”** refers to interstate and intrastate switched access and private line transport services.
- 1.4. **“Act”** means the Communications Act of 1934, as amended.
- 1.5. **“Affiliate”** is as defined in the Act.
- 1.6. **“Augment”** refers to a modification (increase/addition or decrease/reduction) to an existing Collocation Arrangement. Examples include changes to the space, cage, power, cross-connect cabling, conduit, vault, riser, or cabling associated with the Collocation Arrangement.
- 1.7. **“Automated Message Accounting”** (“AMA”) is the structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Telcordia as GR-1100-CORE which defines the industry standard for message recording.
- 1.8. **“Automatic Location Identification”** (“ALI”) means a feature that provides the caller’s telephone number, address and the names of the Emergency Response agencies that are responsible for that address.
- 1.9. **“Automatic Location Identification/Data Management System”** (“ALI/DMS”) means a system of manual procedures and computer programs used to create, store and update the data required to provide Selective Routing and/or Automatic Location Identification for E911 systems, as defined in the NENA Glossary, which may be modified from time-to-time.
- 1.10. **“Automatic Number Identification”** (“ANI”) is a feature that identifies and displays the number of a telephone line that originates a call.

- 1.11. **“Automatic Route Selection” (“ARS”)** is a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.
- 1.12. **“ATU - C”** refers to an ADSL Transmission Unit - Central Office.
- 1.13. **“Busy Line Verify/Busy Line Verify Interrupt” (“BLV/BLVI”)** means an operator call in which the caller inquires as to the busy status of, or requests an interruption of a call on another subscriber’s telephone line.
- 1.14. **“Business Day(s)”** means the days of the week excluding Saturdays, Sundays, and all Embarq holidays.
- 1.15. **“Business Line”** is an Embarq-owned switched access line used to serve a business End User, whether by Embarq or by a competitive LEC that leases the line from Embarq. The number of Business Lines in a Wire Center shall equal the sum of all Embarq business switched access lines, plus the sum of all UNE loops connected to that Wire Center, including UNE loops provisioned in combination with other unbundled elements. Among these requirements, Business Line tallies (1) shall include only those access lines connecting end-user End Users with Embarq end-offices for switched services, (2) shall not include non-switched special access lines, (3) shall account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to twenty-four (24) 64 kbps-equivalents, and therefore to twenty-four (24) “Business Lines.”
- 1.16. **“Cable Vault”** shall mean a location in a Premises where facilities enter the Premises from the Outside Cable Duct and access the Inner Duct for distribution within the Premises.
- 1.17. **“Carrier Access Billing System” (“CABS”)** is the system which is defined in a document prepared under the direction of the Billing Committee of the OBF. The CABS document is published by Telcordia in Volumes 1, 1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-0011869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the billing of access and other connectivity services. Embarq’s carrier access billing system is its Carrier Access Support System (CASS). CASS mirrors the requirements of CABS.
- 1.18. **“Central Office Building” or “Building”** shall mean a structure (not including a controlled environment vault (“CEV”)) housing Embarq network equipment that is under the control of Embarq and for which Embarq has the right to grant access and/or occupation by third parties.
- 1.19. **“Central Office Switches”** - are switching facilities within the public switched telecommunications network, and switching facilities connected to the public switched telecommunications network for the provision of E-911/911 emergency calling, including, but not limited to:

- 1.19.1. “**End Office Switches**” (“**EOs**”) are switches from which End User Telephone Exchange Services are directly connected and offered.
- 1.19.2. “**Tandem Switches**” are switches that are used to connect and switch trunk circuits between and among Central Office Switches.
- 1.19.3. “**Remote Switches**” are switches that are away from their host or control office. All or most of the central control equipment for the remote switch is located at the host or Control Office.
- 1.19.4. “**Selective Router**” or “**SR**” or “**E911 Tandem Switch**” means the Central Office Switch that provides the tandem switching of 911 calls. It controls delivery of the voice call with ANI to the PSAP and provides Selective Routing, speed calling, selective transfer, fixed transfer, and certain maintenance functions for each PSAP. It is also known as 911 Selective Routing Tandem or Enhanced 911 Control Office.
- 1.20. “**Centrex**” means a Telecommunications Service associated with a specific grouping of lines that uses central office switching equipment for call routing to handle direct dialing of calls, and to provide numerous private branch exchange-like features.
- 1.21. “**CLASS/LASS**” (Telcordia Service Mark) refers to service features that utilize the capability to forward a calling party’s number between end offices as part of call setup. Features include Automatic Callback, Automatic Recall, Caller ID, Call Trace, and Distinctive Ringing.
- 1.22. “**Collocation Arrangement**” refers to a single, specific provision of collocation in a particular Premises, not limited to a cage enclosing INTRADO COMM’s equipment within the Premises.
- 1.23. “**Collocation Space**” shall mean an area of space located in a building to be used by INTRADO COMM to house telecommunications equipment that is necessary for interconnection or access to UNEs. Additionally, roof or wall space used for wireless interconnection shall be included in the definition where applicable.
- 1.24. “**Commingle**” means the act of Commingling.
- 1.25. “**Commingling**” means the connecting, attaching, or otherwise linking of an unbundled Network Element, or a combination of unbundled Network Elements, to one or more facilities or services that INTRADO COMM has obtained at wholesale from Embark or the combining of an unbundled Network Element, or a combination of unbundled Network Elements with one or more such facilities or services.
- 1.26. “**Commission**” means the Public Utilities Commission of Ohio.
- 1.27. “**Common Channel Signaling**” (“**CCS**”) is a method of digitally transmitting

call set-up and network control data over a digital signaling network fully separate from the public switched telephone network that carries the actual call.

- 1.28. **“Common Transport”** provides a local interoffice transmission path between End Office Switches, between End Office Switches and Tandem Switches and between Tandem Switches in Embarq’s network. Common Transport is shared between multiple customers and is required to be switched at the Tandem Switch.
- 1.29. **“Confidential and/or Proprietary Information”** has the meaning set forth in Section 15.
- 1.30. **“Controlled Environment Vault” (“CEV”)** shall mean a below ground room other than a Central Office Building which is controlled by Embarq and which is suitable for collocation of telecommunications equipment under controlled temperature and humidity.
- 1.31. **“Control Office”** is an exchange carrier center or office designated as the Party’s single point of contact for the provisioning and maintenance of its portion of Local Interconnection arrangements.
- 1.32. **“Copper Loop”** is a stand-alone Local Loop comprised entirely of copper wire or cable. Copper Loops include two-wire and four-wire analog voice-grade Copper Loops, digital Copper Loops (e.g., DS0s and integrated services digital network lines), as well as two-wire and four-wire Copper Loops conditioned to transmit the digital signals needed to provide digital subscriber line services, regardless of whether the Copper Loops are in service or held as spares. The Copper Loop includes attached electronics using time division multiplexing technology, but does not include packet switching capabilities.
- 1.33. **“Custom Calling Features”** means a set of Telecommunications Service features available to residential and single-line business End Users including call-waiting, call-forwarding and three-party calling.
- 1.34. **“Customer Proprietary Network Information” (“CPNI”)** is as defined in the Act.
- 1.35. **“Database Management System” (“DBMS”)** is a computer process used to store, sort, manipulate and update the data required to provide Selective Routing and ALI.
- 1.36. **“Day”** means Days unless otherwise specified.
- 1.37. **“Dedicated Transport”** includes Embarq transmission facilities between Wire Centers or Switches owned by Embarq, or between Wire Centers or Switches owned by Embarq and Switches owned by INTRADO COMM, including, but not limited to, DS1-, DS3-, and OCn-capacity level services, as well as dark fiber, dedicated to a particular End User or carrier.
- 1.38. **“Demarcation Point”** is that point on the facility where Embarq’s control of the facility ceases, and the End User’s control of the facility begins.

- 1.39. **“Digital Subscriber Line Access Multiplexer” (“DSLAM”)** is equipment that links End User xDSL connections to a single high-speed packet switch, typically ATM or IP.
- 1.40. **“Directory Assistance Database”** refers to any End User record used by Embarq in its provision of live or automated operator-assisted directory assistance including but not limited to 411, 555-1212, NPA-555-1212.
- 1.41. **“Directory Assistance Services”** provides listings to callers. Directory Assistance Services may include the option to complete the call at the caller’s direction.
- 1.42. **“DS1 Loop”** is a digital Local Loop having a total digital signal speed of 1.544 megabytes per second. DS1 Loops include, but are not limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate digital subscriber line services, including T1 services.
- 1.43. **“DS3 Loop”** is a digital Local Loop having a total digital signal speed of 44.736 megabytes per second.
- 1.44. **“DSLAM”** refers to a Digital Subscriber Line Access Multiplexer.
- 1.45. **“Duct”** is a single enclosed path to house facilities to provide Telecommunications Services.
- 1.46. **“E9-1-1 Authority”** or **“911 Administrator”** means the administrative jurisdiction of a particular 911 system, as defined in the NENA Glossary, which may be modified from time-to-time. This could be a county/parish or city government, a special 911 or emergency communications district, a council of governments, an individual PSAP or other similar body.
- 1.47. **“Effective Date”** is the date referenced in the opening paragraph on page 1 of the Agreement, unless otherwise required by the Commission.
- 1.48. **“Electronic Interface”** means access to operations support systems consisting of preordering, ordering, provisioning, maintenance and repair and billing functions.
- 1.49. **“Emergency Response Agency”** is a governmental entity authorized to respond to requests from the public to meet emergencies.
- 1.50. **“Emergency Service Number” (“ESN”)** means a three to five digit number that represents one or more Emergency Service Zones (ESZs), as defined in the NENA Glossary, which may be modified from time-to-time. An ESN is defined as one of two types: administrative ESN and routing ESN.
- 1.51. **“Emergency Service Zone”** or **“ESZ”** is a geographical area that represents a unique combination of emergency service agencies (e.g., law enforcement, fire and emergency medical service) that are within a specified 911 governing authority’s jurisdiction, as defined in the NENA Glossary, which may be modified from time-to-time. An ESZ can be represented by an Emergency Service Number to identify the ESZ.

- 1.52. **“Enhanced Extended Link” (“EEL”)** for purposes of this Agreement refers to the combination of unbundled Network Elements, specifically NID, Loop, multiplexing (MUX) if necessary and Dedicated Transport, in the Embarq Network.
- 1.53. **“Exchange Message Interface System” (“EMI”)** is the Industry standard for exchanging telecommunications message information for billable, non-billable, sample settlement and study records. The EMI is published by ATIS (Alliance for Telecommunications Industry Solutions).
- 1.54. **“End Date”** is the date this Agreement terminates as referenced in 5.1.
- 1.55. **“End User”** for purposes of this Agreement means, the retail, end-use, dial tone customer of either Party, or the PSAP served by either Party receiving 9-1-1 calls for the purpose of initiating the emergency or public safety response. Where one or the other form of end-user is specifically required, “End User” shall refer to the retail, dial tone customer, while “PSAP End User” shall refer to the PSAP.
- 1.56. **“Enhanced 911 Service” (“E911 or “E9-1-1”)** means an emergency telephone system which includes network switching, data base and CPE elements capable of providing Selective Routing, selective transfer, fixed transfer, caller routing and location information, and ALI.
- 1.57. **“FCC”** means the Federal Communications Commission.
- 1.58. **“Fiber-based Collocator”** means any carrier, unaffiliated with Embarq, that maintains a Collocation Arrangement in Embarq’s Wire Center, with active electrical power supply, and operates a fiber-optic cable or comparable transmission facility that (1) terminates at a Collocation Arrangement within the Wire Center; (2) leaves Embarq’s Wire Center premises; and (3) is owned by a party other than Embarq or any affiliate of Embarq, except as set forth in this definition. Dark fiber obtained from Embarq on an indefeasible right of use basis shall be treated as non-Embarq fiber-optic cable. Two or more Affiliated Fiber-based Collocators in a single Wire Center shall collectively be counted as a single Fiber-based Collocator. For purposes of this definition, the term Affiliate is defined by 47 USC § 153(1) and any relevant interpretation in the Act.
- 1.59. **“Fiber-to-the-curb Loop” (“FTTC Loop”)** means a Local Loop consisting of fiber optic cable connecting to a copper distribution plant that is not more than 500 feet from the End User’s premises or, in the case of predominantly residential multiple dwelling units (“MDUs”), not more than 500 feet from the MDU’s minimum point of entry (“MPOE”). The fiber optic cable in a fiber-to-the curb loop must connect to a copper distribution plant at a serving area interface from which every other copper distribution subloop also is not more than 500 feet from the respective End User’s premises.
- 1.60. **“Fiber-to-the-home Loop” (“FTTH Loop”)** means a Local Loop consisting entirely of fiber optic cable, whether dark or lit, and serving an end-user’s

End User' premises or, in the case of predominantly residential MDUs, a fiber optic cable, whether dark or lit, that extends to the multiunit premises' MPOE.

- 1.61. **"Grandfathered Service"** means service which is no longer available for new End Users and is limited to the current End User at their current locations with certain provisioning limitations, including but not limited to upgrade denials, feature adds/changes and responsible/billing party.
- 1.62. **"High Frequency Portion of the Local Loop" ("HFPL")** is defined as the frequency range above the voice band on a Copper Loop facility that is being used to carry analog circuit-switched voice band transmissions provided by Embarq to the end-user End User.
- 1.63. **"Hybrid Loop"** means a Local Loop comprised of both fiber optic cable, usually in the feeder plant, and copper wire or cable usually in the distribution plant.
- 1.64. **"Incumbent Local Exchange Carrier" ("ILEC")** is as defined in the Act.
- 1.65. **"Information Services"** shall have the meaning defined in 47 CFR 51.5.
- 1.66. **"Interexchange Carrier" ("IXC")** means a provider of interexchange Telecommunications Services.
- 1.67. **"Interexchange Service"** shall mean telecommunications service between stations in different exchange areas.
- 1.68. **"ISP-Bound Traffic,"** for the purposes of this Agreement, is defined as traffic that is transmitted to an Internet Service Provider ("ISP") consistent with the ISP Remand Order (FCC 01-131), 16 F.C.C. Rcd. 9151 (2001).
- 1.69. **"Internet Protocol" or "IP"** means the method by which data is sent from one computer to another on the Internet or other networks.
- 1.70. **"Inner Duct" or "Conduit"** shall mean any passage or opening in, on, under, over or through the Embarq Central Office Building cable or conduit systems.
- 1.71. **"Line Information Data Base" ("LIDB")** means a Service Control Point (SCP) database that provides for such functions as calling card validation for telephone line number cards issued by Embarq and other entities and validation for collect and billed-to-third services.
- 1.72. **"Live Load Capacity"** as it relates to a INTRADO COMM's Collocation Space refers to the structural strength of the floor to support the weight of INTRADO COMM's property and equipment installed in the collocated space.
- 1.73. **"Local Loop"** refers to a transmission facility between the main distribution frame [cross-connect], or its equivalent, in an Embarq Central Office or Wire Center, and up to the demarcation point (e.g., Network Interface Device) at an End User's premises, to which INTRADO COMM is granted exclusive use. This includes all electronics, optronics and intermediate devices (including repeaters and load coils) used to establish the transmission path to the End User

premises. Local loops include Copper Loops, Hybrid Loops, DS1 Loops, DS3 Loops, FTTC Loops and FTTH Loops.

- 1.74. **“Local Number Portability” (“LNP”)** means the ability of users of Telecommunications Services to retain, at the same location, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one Telecommunications Carrier to another.
- 1.75. **“Local Service Request” (“LSR”)** means an industry standard form or a mutually agreed upon change thereof, used by the Parties to add, establish, change or disconnect local services.
- 1.76. **“Local Traffic”** for the purposes of this Agreement the Parties shall agree that “Local Traffic” means traffic (excluding Commercial Mobile Radio Service “CMRS” traffic) that is originated and terminated within Embarq’s local calling area, or mandatory extended area service (EAS) area, as defined by the Commission or, if not defined by the Commission, then as defined in existing Embarq Tariffs. For this purpose, Local Traffic does not include any ISP-Bound Traffic.
- 1.77. **“Master Street Address Guide” or “MSAG”** means a data base of street names and house number ranges within their associated communities defining Emergency Service Zones (ESZs) and their associated Emergency Service Numbers (ESNs) to enable proper routing of 911 calls, as defined in the NENA Glossary, which may be modified from time-to-time.
- 1.78. **“Mobile Wireless Service”** means any mobile wireless telecommunications service, including any commercial mobile radio service (CMRS). CMRS includes paging, air-ground radiotelephone service and offshore radiotelephone service, as well as mobile telephony services, such as the voice offerings of carriers using cellular radiotelephone, broadband PCS and SMR licenses.
- 1.79. **“Multiple Exchange Carrier Access Billing” (“MECAB”)** refers to the document prepared by the Billing Committee of the ATIS Ordering and Billing Forum (“OBF”). The MECAB document contains the recommended guidelines for the billing of an access service provided to an End User by two or more providers or by one provider in two or more states within a single LATA.
- 1.80. **“Multiple Exchange Carrier Ordering And Design” (“MECOD”)** refers to the guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee under the auspices of the OBF, which functions under the auspices of the Carrier Liaison Committee (“CLC”) of the Alliance for Telecommunications Industry Solutions (“ATIS”). The MECOD document, published by Telcordia as Special Report SR STS-002643, establishes recommended guidelines for processing orders for Access Service which is to be provided by two or more Telecommunications Carriers.
- 1.81. **“National Emergency Number Association” (“NENA”)** is an association with a mission to foster the technological advancement, availability and implementation

of 911 nationwide.

- 1.82. **“NENA Company Identifier”** or **“NENA Company ID”** means a three to five (3 to 5) character identifier that distinguishes the entity providing voice service (e.g. wireline, wireless, VoIP, PBX, etc.) to the End-Users, as defined in the NENA Glossary, which may be modified from time-to-time. The company identifier registry is maintained by NENA in a nationally accessible data base.
- 1.83. **“Network Element”** is as defined in the Act.
- 1.84. **“North American Numbering Plan”** (“NANP”) means the plan for the allocation of unique 10-digit directory numbers consisting of a three-digit area code, a three-digit office code, and a four-digit line number. The plan also extends to format variations, prefixes, and special code applications.
- 1.85. **“Numbering Plan Area”** (“NPA”) (sometimes referred to as an area code) is the three-digit indicator which is designated by the first three digits of each 10-digit telephone number within the NANP. Each NPA contains 800 possible NXX Codes. There are two general categories of NPA, “Geographic NPAs” and “Non-Geographic NPAs.” A “Geographic NPA” is associated with a defined geographic area, and all telephone numbers bearing such NPA are associated with services provided within that geographic area. A “Non-Geographic NPA,” also known as a “Service Access Code (SAC Code)” is typically associated with a specialized Telecommunications Service which may be provided across multiple geographic NPA areas; 500, 800, 900, 700, and 888 are examples of Non-Geographic NPAs.
- 1.86. **“NXX,” “NXX Code,” “COC,” “Central Office Code,”** or **“CO Code”** is the three-digit switch entity indicator which is defined by the fourth, fifth and sixth digits of a 10-digit telephone number within NANP.
- 1.87. **“OBF”** means the Ordering and Billing Forum, which functions under the auspices of the CLC of the Alliance for Telecommunications Industry Solutions (ATIS).
- 1.88. **“Operator Services”** provides for:
 - 1.88.1. operator handling for call completion (e.g., collect calls);
 - 1.88.2. operator or automated assistance for billing after the End User has dialed the called number (e.g., credit card calls); and
 - 1.88.3. special services (e.g., BLV/BLI, Emergency Agency Call).
- 1.89. **“Outside Cable Duct”** shall mean any space located outside the Central Office Building and owned by or under the control of Embarq through which Embarq runs its cable, conduit or other associated facilities.
- 1.90. **“PSAP ALI Messaging (“PAM”) Interface Protocol”** or **“PAM”** means an interface that uses a proprietary protocol to retrieve the caller’s ANI/ALI from another ALI system or from a dynamic ANI/ALI provider (e.g. MPC/VPC) for

display at the appropriate PSAP upon the answer of a 9-1-1 call.

- 1.91. **“Parity”** means, subject to the availability, development and implementation of necessary industry standard Electronic Interfaces, the provision by Embarq of services, Network Elements, functionality or telephone numbering resources under this Agreement to INTRADO COMM, including provisioning and repair, at least equal in quality to those offered to Embarq, its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources. Until the implementation of necessary Electronic Interfaces, Embarq shall provide such services, Network Elements, functionality or telephone numbering resources on a non-discriminatory basis to INTRADO COMM as it provides to its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources.
- 1.92. **“P.01 Transmission Grade Of Service” (“GOS”)** means a trunk facility provisioning standard with the statistical probability of no more than one call in 100 blocked on initial attempt during the average busy hour.
- 1.93. **“Parties”** means, jointly, Embarq and INTRADO COMM, and no other entity, Affiliate, subsidiary or assign.
- 1.94. **“Party”** means either Embarq or INTRADO COMM, and no other entity, Affiliate, subsidiary or assign.
- 1.95. **“Percent Local Usage” (“PLU”)** is a calculation which represents the ratio of the local minutes to the sum of local and intraLATA toll minutes between exchange carriers sent over Local Interconnection Trunks. Directory assistance, BLV/BLVI, 900, and 976 transiting calls from other exchange carriers and switched access calls are not included in the calculation of PLU.
- 1.96. **“Physical Collocation”** is as defined in 47 CFR 51.5.
- 1.97. **“Point of Interconnection” (“POI”)** is the physical point that establishes the technical interface, the test point, and the operational responsibility hand-off between INTRADO COMM and Embarq for the Local Interconnection of their networks. The POI also establishes the demarcation point to delineate each Party’s financial obligations for facility costs.
- 1.98. **“Premises”** is as defined in 47 CFR 51.5.
- 1.99. **“Pre-Order Loop Qualification” (“Loop Qualification”)** is an OSS function that includes supplying loop qualification information to INTRADO COMM as part of the Pre-ordering Process. Examples of the type of information provided are:
 - 1.99.1. Composition of the loop material, i.e. fiber optics, copper;
 - 1.99.2. Existence, location and type of any electronic or other equipment on the loop, including but not limited to:
 - 1.99.2.1. Digital Loop Carrier (“DLC”) or other remote concentration devices;

- 1.99.2.2. Feeder/distribution interfaces;
 - 1.99.2.3. Bridge taps;
 - 1.99.2.4. Load coils;
 - 1.99.2.5. Pair gain devices; or
 - 1.99.2.6. Disturbance in the same or adjacent binders.
- 1.99.3. Loop length which is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office;
- 1.99.4. Wire gauge or gauges; and
- 1.99.5. Electrical parameters.
- 1.100. **“Proprietary Information”** shall have the same meaning as Confidential Information.
- 1.101. **“Pseudo-ANI”** or **“pANI”** means a number, consisting of the same number of digits as ANI, that is not a North American Numbering Plan telephone directory number and may be used in place of an ANI to convey special meaning. The special meaning assigned to the Pseudo-ANI is determined by agreements, as necessary, between the system originating the call, intermediate systems handling and routing the call, and the destination system.
- 1.102. **“Public Safety Answering Point”** or **“PSAP”** means a point that has been designated to receive 911 calls and route them to emergency service personnel.
- 1.103. **“Rate Center”** means the geographic point and corresponding geographic area which are associated with one or more particular NPA-NXX codes which have been assigned to Embarq or INTRADO COMM for its provision of basic exchange Telecommunications Services. The “rate center point” is the finite geographic point identified by a specific V&H coordinate, which is used to measure distance-sensitive End User traffic to/from the particular NPA-NXX designations associated with the specific Rate Center. The “rate center area” is the exclusive geographic area identified as the area within which Embarq or INTRADO COMM will provide basic exchange telecommunications services bearing the particular NPA-NXX designations associated with the specific Rate Center. The Rate Center point must be located within the Rate Center area.
- 1.104. **“Routing Point”** means a location which Embarq or INTRADO COMM has designated on its own network as the homing (routing) point for traffic inbound to basic exchange services provided by Embarq or INTRADO COMM which bear a certain NPA-NXX designation. The Routing Point is employed to calculate mileage measurements for the distance-sensitive transport element charges of Switched Access Services. Pursuant to Telcordia Practice BR 795-100-100, the Routing Point may be an “End Office” location, or a “LEC Consortium Point of Interconnection.” Pursuant to that same Telcordia Practice, examples of the latter

shall be designated by a common language location identifier (CLLI) code with (x)MD or X(x) in positions 9, 10, 11, where (x) may be any alphanumeric A-Z or 0-9. The above referenced Telcordia document refers to the Routing Point as the Rating Point. The Rating Point/Routing Point need not be the same as the Rate Center Point, nor must it be located within the Rate Center Area, but must be in the same LATA as the NPA-NXX.

- 1.105. **“SECAB” or Small Exchange Carrier Access Billing** means the document prepared by the Billing Committee of the OBF. The SECAB document, published by ATIS as Special Report SR OPT-001856, contains the recommended guidelines for the billing of access and other connectivity services.
- 1.106. **“Selective Routing”** is a service which automatically routes an E911 call to the PSAP that has jurisdictional responsibility for the service address of the telephone that dialed 911, irrespective of telephone company exchange or Wire Center boundaries.
- 1.107. **“Service Order Information” or “SOF”** is a file of completed service order updates that is sent to the DMBS by all service providers as defined in the NENA Glossary, which may be modified from time to time.
- 1.108. **“Shell Records”** means those pre-provisioned Service Order Information (“SOF”) type records used for Pseudo-ANI.
- 1.109. **“Signaling Transfer Point” (“STP”)** means a signaling point that performs message routing functions and provides information for the routing of messages between signaling points within or between CCIS networks. An STP transmits, receives and processes CCIS messages.
- 1.110. **“Splitter”** is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the DSLAM equipment or may be externally mounted.
- 1.111. **“Street Index Guide” (“SIG”)** is an Embarq database defining the geographic area of an E911 Service. It includes an alphabetical list of the street names, high-low house number ranges, community names, and Emergency Service Numbers provided by the counties or their agents to Embarq.
- 1.112. **“Switch”** means a Central Office Switch as defined in this Part A.
- 1.113. **“Synchronous Optical Network” (“SONET”)** is an optical interface standard that allows interworking of transmission products from multiple vendors (*i.e.*, mid-span meets). The base rate is 51.84 MHps (OC-1/STS-1 and higher rates are direct multiples of the base rate up to 1.22 GHps).
- 1.114. **“Tandem Office Switches,” “Tandem,” and “Tandem Switching”** describe Class 4 switches which are used to connect and switch trunk circuits between and among End Office Switches and other tandems.

- 1.115. “**Tariff**” means a filing made at the state or federal level for the provision of a Telecommunications Service by a Telecommunications Carrier that provides for the terms, conditions and pricing of that service. Such filing may be required or voluntary and may or may not be specifically approved by the Commission or FCC.
- 1.116. “**Technically Feasible**” means interconnection, access to unbundled network elements, collocation, and other methods of achieving interconnection or access to unbundled network elements at a point in the network shall be deemed technically feasible absent technical or operational concerns that prevent the fulfillment of a request by a telecommunications carrier for such interconnection, access, or methods. A determination of technical feasibility does not include consideration of economic, accounting, billing, space, or site concerns, except that space and site concerns may be considered in circumstances where there is no possibility of expanding the space available. The fact that an ILEC must modify its facilities or equipment to respond to such request does not determine whether satisfying such request is technically feasible. An ILEC that claims that it cannot satisfy such request because of adverse network reliability impacts must prove to the state commission by clear and convincing evidence that such interconnection, access, or methods would result in specific and significant adverse network reliability impacts.
- 1.117. “**Tier 1**” Wire Centers are those Embarq Wire Centers that contain at least four Fiber-based Collocators, at least 38,000 Business Lines, or both. Tier 1 Wire Centers also are those Embarq tandem switching locations that have no line-side switching facilities, but nevertheless serve as a point of traffic aggregation accessible by competitive LECs. Once a Wire Center is determined to be a Tier 1 Wire Center, that Wire Center is not subject to later reclassification as a Tier 2 or Tier 3 Wire Center.
- 1.118. “**Tier 2**” Wire Centers are those Embarq Wire Centers that are not Tier 1 Wire Centers but contain at least three (3) Fiber-based Collocators, at least 24,000 Business Lines, or both. Once a Wire Center is determined to be a Tier 2 Wire Center, that Wire Center is not subject to later reclassification as a Tier 3 Wire Center.
- 1.119. “**Tier 3**” Wire Centers are those Embarq Wire Centers that are not Tier 1 or Tier 2 Wire Centers.
- 1.120. “**Telecommunications**” is as defined in the Act.
- 1.121. “**Telecommunications Carrier**” is as defined in the Act.
- 1.122. “**Telecommunications Service**” is as defined in the Act.
- 1.123. “**Transit Service**” means the delivery of Transit Traffic.
- 1.124. “**Transit Traffic**” means Local Traffic or ISP-Bound Traffic that originated on INTRADO COMM’s network, transited through Embarq’s network, and terminated to a third party Telecommunications Carrier’s network or that is

originated on a third party Telecommunications Carrier's network, transited through Embarq, and terminated to INTRADO COMM's network.

- 1.125. **"Virtual Collocation"** is as defined in 47 CFR 51.5.
- 1.126. **Virtual NXX Traffic ("VNXX Traffic")** – As used in this Agreement, Virtual NXX traffic or VNXX Traffic is defined as calls in which a Party's customer is assigned a telephone number with an NXX Code (as set forth in the LERG) assigned to a Rate Center that is different from the Rate Center associated with the End User's actual physical premise location.
- 1.127. **"VOIP" or "Interconnected Voice over Internet Protocol"** means a service that: (1) enables real-time, two-way voice communications; (2) requires a broadband connection from the user's location; (3) requires IP-compatible customer premises equipment (CPE); and (4) permits users to generally receive calls that originate on the public switched telephone network and to terminate calls to the public switched telephone network.
- 1.128. **"Wholesale Service"** means Telecommunication Services that Embarq provides at retail to End Users who are not Telecommunications Carriers as set forth in 47 USC § 251(c)(4) which Embarq provides to resellers at a wholesale rate.
- 1.129. **"Wire Center"** is the location of an incumbent LEC local switching facility containing one or more central offices, as defined in part 36 of the Code of Federal Regulations. The Wire Center boundaries define the area in which all End Users served by a given Wire Center are located.
- 1.130. **"xDSL"** refers to a generic term for a series of high speed transmission protocols, equipment, and services designed to operate over copper wire. This series includes but is not limited to ADSL, VDSL, SDSL, and others.

PART B – GENERAL TERMS AND CONDITIONS

2. SCOPE OF THIS AGREEMENT

- 2.1. This Agreement, including Parts A through L, Tables One and Two and exhibits, specifies the rights and obligations of each Party with respect to the establishment, purchase, and sale of Local Interconnection, Collocation, resale of Telecommunications Services and Unbundled Network Elements. Certain terms used in this Agreement shall have the meanings defined in PART A – DEFINITIONS, or as otherwise elsewhere defined throughout this Agreement. Other terms used but not defined in this Agreement will have the meanings ascribed to them in the Act and in the FCC's and the Commission's rules, regulations and orders. PART B sets forth the general terms and conditions governing this Agreement. The remaining Parts set forth, among other things, descriptions of the services, pricing, technical and business requirements, and physical and network security requirements.
- 2.2. Notwithstanding anything in this Agreement to the contrary, the Parties acknowledge and agree that Embarq shall only be required to provide services or facilities to INTRADO COMM pursuant to this Agreement to the extent that such services or facilities are used by INTRADO COMM in accordance with and subject to any limitations of any Commission order(s) concerning INTRADO COMM's certification to provide service(s) in Ohio, as the same may be amended from time to time.

3. NETWORK CHANGES

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

4. REGULATORY APPROVALS

- 4.1. This Agreement, and any amendment or modification hereof, will be submitted to the Commission for approval in accordance with § 252 of the Act within thirty (30) Days after obtaining the last required Agreement signature. Embarq and INTRADO COMM shall use their best efforts to obtain approval of this Agreement by any regulatory body having jurisdiction over this Agreement. In the event any governmental authority or agency rejects any provision hereof, the Parties shall negotiate promptly and in good faith such revisions as may reasonably be required to achieve approval.

- 4.2. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the texts of the Act and the orders, rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date ("Applicable Rules"). In the event of any amendment of the Act, any effective legislative action or any effective regulatory or judicial order, rule, regulation, arbitration award, dispute resolution procedures under this Agreement or other legal action purporting to apply the provisions of the Act to the Parties or in which the court, FCC or the Commission makes a generic determination that is generally applicable which revises, modifies or reverses the Applicable Rules (individually and collectively, "Amended Rules"), either Party may, by providing written notice to the other Party, require that the affected provisions of this Agreement be renegotiated in good faith and this Agreement shall be amended accordingly within sixty (60) Days of the date of the notice to reflect the pricing, terms and conditions of each such Amended Rules relating to any of the provisions in this Agreement.
- 4.3. Notwithstanding any other provision of this Agreement to the contrary Section 4.2 hereof shall control. Any rates, terms or conditions thus developed or modified shall be substituted in place of those previously in effect and shall be effective under this Agreement as of the effective date established by the Amended Rules, whether such action was commenced before or after the Effective Date of this Agreement. Should the Parties be unable to reach agreement with respect to the applicability of such order or the resulting appropriate modifications to this Agreement, either Party may invoke the Dispute Resolution provisions of this Agreement, it being the intent of the Parties that this Agreement shall be brought into conformity with the then current obligations under the Act as determined by the Amended Rules. Embarq may charge rates to INTRADO COMM under this Agreement that are approved by the Commission in a generic cost proceeding, whether such action was commenced before or after the Effective Date of this Agreement, as of the effective date of the Commission decision.
- 4.4. In the event that as a result of any effective decision, order, or determination of any judicial or regulatory authority with jurisdiction over the subject matter hereof, Embarq determines that it is not required to furnish any service, facility, arrangement, or benefit required to be furnished or provided to INTRADO COMM under this Agreement, then Embarq may discontinue any service, facility, arrangement, or benefit ("Discontinued Arrangement") to the extent permitted by any such decision, order, or determination by providing sixty (60) Days written notice to INTRADO COMM. Immediately upon provision of such written notice to INTRADO COMM, INTRADO COMM will be prohibited from ordering and Embarq will not provide new Discontinued Arrangements.

5. TERM AND TERMINATION

- 5.1. This Agreement shall be deemed effective upon the Effective Date first stated above, and continue for a period of two years until [Enter End Date] ("End Date"), unless earlier terminated in accordance with this Section 5. This

Agreement shall become binding upon execution by the Parties. No order or request for services under this Agreement shall be processed before the Effective Date, except as otherwise agreed to in writing by the Parties. No order or request for services under this Agreement shall be processed before each Party has established a customer account with the other Party and has completed the Implementation Plan described in this Agreement.

- 5.2. In the event of either Party's material breach of any of the terms or conditions hereof, including the failure to make any undisputed payment when due, the non-defaulting Party may immediately terminate this Agreement in whole or in part if the non-defaulting Party so advises the defaulting Party in writing of the event of the alleged default and the defaulting Party does not remedy the alleged default within sixty (60) Days after written notice thereof. The non-defaulting Party may pursue all available legal and equitable remedies for such breach.
- 5.3. Either Party may terminate this Agreement upon thirty (30) Days notice if INTRADO COMM is not exchanging traffic with Embarq or has not submitted orders pursuant to this Agreement within three hundred sixty (360) Days of the Effective Date. In addition, the Parties reserve the right to terminate this Agreement immediately upon written notice from the other Party that it has ceased doing business in this state.
- 5.4. Termination of this Agreement for any cause shall not release either Party from any liability which at the time of termination has already accrued to the other Party or which thereafter may accrue in respect to any act or omission prior to termination or from any obligation which is expressly stated in this Agreement to survive termination.
- 5.5. Notwithstanding the above, Embarq shall provide sixty (60) days prior written notice to INTRADO COMM if Embarq intends to sell or trade substantially all the assets in an exchange or group of exchanges that Embarq uses to provide Telecommunications Services. After providing such notice to Intrado, Embarq may terminate this Agreement in whole or in part as to that particular exchange or group of exchanges in accordance with relevant state commission approvals.

6. POST EXPIRATION INTERIM SERVICE ARRANGEMENTS

- 6.1. No later than one-hundred sixty (160) Days prior to the End Date, INTRADO COMM will provide Embarq notice to commence negotiations pursuant to Sections 251 and 252 of the Act for terms, conditions and rates for a successor agreement to be effective on or before the End Date.
- 6.2. In the event that this Agreement expires under Section 5.1, INTRADO COMM has submitted a notice to commence negotiations under Section 6.1, and the Parties have not executed a successor agreement at the time of expiration, provided the Parties are actually in arbitration or mediation before the Commission or FCC under § 252 of the Act or the Parties have a written agreement to continue negotiations under § 252, it is the intent of the Parties to

provide in this Section for post-expiration interim service arrangements between the Parties so that service to their respective End Users will not be interrupted should a new agreement not be consummated prior to the End Date. Therefore, except in the case of termination as a result of the events under Sections 5.2, 5.4, and 5.5, services that had been available under this Agreement, were ordered prior to the End Date and are actually in service as of the End Date may continue uninterrupted after the End Date only until the earlier to occur of (i) the Parties execute a successor agreement, (ii) the issuance of an order, whether a final non-appealable order or not, by the Commission or FCC, approving an agreement resulting from the resolution of the issues set forth in such arbitration or mediation request, or (iii) the first anniversary of the End Date unless a Section 252 petition for arbitration is pending on the first anniversary of the End Date .

- 6.3. In the event that on the End Date the Parties have not executed a successor agreement and Section 6.2 does not apply or no longer applies, Embarq will continue to provide services pursuant to one of the following:
 - 6.3.1. Such standard terms and conditions or tariffs approved by and made generally available by the Commission, if they exist; or
 - 6.3.2. An existing agreement between Embarq and another carrier adopted by INTRADO COMM for the remaining term of that agreement. If INTRADO COMM fails to designate an agreement under this subsection, then Embarq may designate such agreement if such failure continues for more than 30 days after written notice of such designation by Embarq.

7. CHARGES, BILLING AND PAYMENT

- 7.1. In consideration of the services provided by the Parties under this Agreement, the Parties shall pay the charges set forth in Part C subject to the provisions of Section 4 hereof and subject to the dispute provisions provided herein.
- 7.2. Subject to the terms of this Agreement, the Parties shall pay invoices within thirty (30) Days from the bill date shown on the invoice.
 - 7.2.1. For invoices not paid when due, late payment charges will be assessed under Section 7.4.
 - 7.2.2. If the payment due date is a Saturday, Sunday or a designated bank holiday, payment shall be made the next business day.
 - 7.2.3. If an undisputed invoice is not paid within forty-five (45) Days after the bill date, either Party may suspend processing new orders and cancel any pending orders.
 - 7.2.4. If non-disputed amounts remain delinquent ninety (90) Days after the bill date, either Party may terminate all services under this Agreement.
- 7.3. If either Party disputes any charges shown on an invoice, the following billing dispute procedures are the exclusive means for challenging such charges, and the

failure by either Party to follow such procedures will result in the suspension or termination of service for non-payment of invoiced amounts pursuant to Section 7.2 above:

- 7.3.1. Any billing dispute must be submitted in writing, itemizing the particular charges that the Party is challenging, and explaining in reasonable detail the specific grounds for disputing the validity or applicability of such charges.
- 7.3.2. Billing disputes must be submitted to the National Dispute Center on the billing dispute form designated by Embarq and to [Thomas Hicks for INTRADO COMM, along with any payment for undisputed charges that are shown on such invoice. The billing dispute may be accompanied by any additional, relevant materials submitted by the disputing Party.
- 7.3.3. The payment due date of an invoice shall be suspended with respect to disputed amounts on such invoice, but only if a written, itemized dispute has been filed in compliance with Section 7.3 within thirty (30) Days of the bill date. Such payment due date for the disputed amounts shall remain suspended during negotiations between the Parties or pending a determination by the Commission under the dispute resolution provisions of Section 25.
- 7.3.4. Billing disputes that are submitted in a timely manner in compliance with Section 7.3 shall not have the effect of suspending the payment due date with respect to *billed amounts that are not in dispute*, notwithstanding the existence of a dispute with respect to other amounts billed on the same invoice.
- 7.3.5. The failure to submit a written dispute in compliance with Section 7.3 within thirty (30) Days of a bill date shall not preclude a Party from thereafter submitting a dispute or seeking a billing adjustment for any charges which have been paid, but any billing dispute which is not submitted within thirty (30) Days of a bill date or which is not submitted in writing in compliance with Section 7.3 shall not be effective to suspend the payment due date for the disputed amount or to prevent late charges and possible suspension or termination of service for non-payment of billed amounts in accordance with Section 7.2. Payment of billed amounts that are subsequently disputed or which become the subject of a request for adjustment shall not constitute or be deemed to represent a waiver of a Party's right to submit a dispute or seek an adjustment of such Party's account with respect to such paid amounts, and the paying Party shall not be required to designate any such payment as "conditional" or "under protest" in order to submit a dispute or seek a subsequent adjustment with respect to amounts which have previously been paid. A dispute which is filed more than 30 Days after a bill date or a request for an account adjustment must be submitted in writing in the same manner as provided

for in Section 7.3 with respect to disputes, and such requests shall be subject to the Dispute Resolution provisions of this Agreement.

- 7.4. Late payment charges on invoices not paid when due (or any portion thereof which is not subject to a timely filed dispute) will be assessed until the undisputed amount due is paid in full, and shall be calculated using a rate equal to the lesser of the following:
 - 7.4.1. the total amount due times the highest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment due date to and including the date the paying Party actually makes the payment, or
 - 7.4.2. the total amount due multiplied by a factor of 0.000329 times the number of days which occurred between the payment due date and (including) the date the Party making the payment actually makes the payment.
- 7.5. The Parties shall credit each other for incorrect Connectivity Billing charges including without limitation: overcharges, services ordered or requested but not delivered, interrupted services, services of poor quality and installation problems if caused by the other Party. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards.
- 7.6. The Parties will bill for message provisioning and, if applicable, data tape charges related to exchange access records. The Parties will bill each other for the records at the rates on Table One. If either Party requests additional copies of the monthly invoice, the Parties may also bill for the additional copies.
- 7.7. The Parties shall comply with various industry, OBF, and other standards referred to throughout this Agreement. The Parties will review any changes to industry standards, and implement the changes within the industry-defined window. The Parties will notify each other of any deviations to the standards.
- 7.8. Where Parties have established interconnection, Embarq and INTRADO COMM agree to conform to MECAB and MECOD guidelines. They will exchange Billing Account Reference and Bill Account Cross Reference information and will coordinate Initial Billing Company/Subsequent Billing Company billing cycles. The Parties will provide the appropriate records to bill exchange access charges to the IXC. Embarq will capture EMI records for inward terminating calls and send them to INTRADO COMM, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom). Upon Embarq's request, INTRADO COMM will provide Embarq the appropriate records to bill exchange access charges to the IXC. INTRADO COMM will capture EMI records for inward terminating calls and send them to Embarq, as appropriate, in a daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or CD Rom).

- 7.9. The Parties shall provide a single point of contact for handling of any data exchange questions or problems that may arise during the implementation and performance of the terms and conditions of this Agreement.
- 7.10. Revenue Protection. Embarq shall make available to INTRADO COMM, at Parity with what Embarq provides to itself, its Affiliates and other local telecommunications CLECs, all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality embedded within any of the Network Elements. These features include, but are not limited to screening codes, information digits assigned such as information digits '29' and '70' which indicate prison and COCOT pay phone originating line types respectively, call blocking of domestic, international, 800, 888, 900, NPA-976, 700, 500 and specific line numbers, and the capability to require End User entry of an authorization code for dial tone. Embarq shall, when technically capable and consistent with the implementation schedule for Operations Support Systems (OSS), additionally provide partitioned access to fraud prevention, detection and control functionality within pertinent OSS.
- 7.11. Embarq reserves the right to secure the account with a suitable form of security deposit in accordance with Section 37.

8. AUDITS AND EXAMINATIONS

- 8.1. Each Party to this Agreement will be responsible for the accuracy and quality of its data as submitted to the other Party involved. Subject to each Party's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, either Party, at its own expense, may audit the other Party's books, records and other documents directly related to billing and invoicing once in any twelve (12) month period for the purpose of evaluating the accuracy of the other Party's billing and invoicing. "Audit" shall mean a comprehensive review of bills for services performed under this Agreement; "Examination" shall mean an inquiry into a specific element of or process related to bills for services performed under this Agreement. Either Party (the "Requesting Party") may perform one (1) Audit per twelve (12) month period commencing with the Effective Date, with the assistance of the other Party, which will not be unreasonably withheld. The Audit period will include no more than the preceding twelve (12) month period as of the date of the Audit request. The Requesting Party may perform Examinations, as it deems necessary, with the assistance of the other Party, which will not be unreasonably withheld.
- 8.2. Upon thirty (30) Days written notice by the Requesting Party to Audited Party, Requesting Party shall have the right through its authorized representative to make an Audit, during normal business hours, of any records, accounts and processes which contain information bearing upon the billing and invoicing of the services provided under this Agreement. Within the above-described thirty (30) Day period, the Parties shall reasonably agree upon the scope of the Audit or Examination, the documents and processes to be reviewed, and the time, place and manner in which the Audit or Examination shall be performed. Audited Party

agrees to provide Audit or Examination support, including appropriate access to and use of Audited Party's facilities (e.g.: conference rooms, telephones, copying machines).

- 8.3. Each Party shall bear its own expenses in connection with the conduct of the Audit or Examination. The reasonable cost of special data extraction required by the Requesting Party to conduct the Audit or Examination will be paid for by the Requesting Party. For purposes of this Section 8.3, a "Special Data Extraction" shall mean the creation of an output record or informational report (from existing data files) that is not created in the normal course of business. If any program is developed to Requesting Party's specifications and at Requesting Party's expense, Requesting Party shall specify at the time of request whether the program is to be retained by Audited Party for reuse for any subsequent Audit or Examination.
- 8.4. Adjustments based on the audit findings may be applied to the twelve (12) month period included in the audit. Adjustments, credits or payments shall be made and any corrective action shall commence within thirty (30) Days from the requesting Party's receipt of the final audit report to compensate for any errors or omissions which are disclosed by such Audit or Examination and are agreed to by the Parties. Interest shall be calculated in accordance with Section 7.4 above.
- 8.5. Neither such right to examine and audit nor the right to receive an adjustment shall be affected by any statement to the contrary appearing on checks or otherwise, unless such statement expressly waiving such right appears in writing, is signed by the authorized representative of the Party having such right and is delivered to the other Party in a manner sanctioned by this Agreement.
- 8.6. This Section shall survive expiration or termination of this Agreement for a period of one (1) year after expiration or termination of this Agreement.

9. INTELLECTUAL PROPERTY RIGHTS

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

intellectual property rights, under commercially reasonable terms, to each unbundled Network Element necessary for INTRADO COMM to use such unbundled Network Element in the same manner as Embarq.

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

10. LIMITATION OF LIABILITY

- 10.1. Neither Party, its parents, subsidiaries, affiliates, agents, servants or employees shall be liable for damages arising from errors, mistakes, omissions, interruptions, or delays in the course of establishing, furnishing, rearranging, moving, terminating, changing, providing or failing to provide services or facilities (including the obtaining or furnishing of information with respect thereof or with respect to users of the services or facilities) in the absence of willful misconduct.
- 10.2. Notwithstanding the foregoing, in no event shall either Party's liability to the other Party for a service outage exceed an amount equal to the proportionate charge for the service(s) or unbundled element(s) provided for the period during which the service was affected.

- 10.3. Neither Party shall be responsible to the other for any indirect, special, consequential or punitive damages, including (without limitation) damages for loss of anticipated profits or revenue or other economic loss in connection with or arising from anything said, omitted, or done hereunder (collectively "Consequential Damages"), whether arising in contract or tort except that the foregoing shall not limit a Party's obligation under Section 11 to indemnify, defend, and hold the other Party harmless against amounts payable to third parties.
- 10.4. EMBARQ SHALL BE LIABLE FOR DAMAGE TO OR DESTRUCTION OF INTRADO COMM'S EQUIPMENT AND OTHER PREMISES ONLY TO THE EXTENT SUCH DAMAGE OR DESTRUCTION IS CAUSED BY EMBARQ'S NEGLIGENCE OR WILLFUL MISCONDUCT.

11. INDEMNIFICATION

- 11.1. Each Party agrees to indemnify and hold harmless the other Party from and against claims by third parties for damage to tangible personal or real property and/or personal injuries to the extent caused by the negligence or willful misconduct or omission of the indemnifying Party.
- 11.2. INTRADO COMM shall indemnify and hold harmless Embarq from all claims by INTRADO COMM's End Users.
- 11.3. Embarq shall indemnify and hold harmless INTRADO COMM from all claims by Embarq's End Users.
- 11.4. The indemnifying Party under this Section agrees to defend any suit brought against the other Party either individually or jointly with the indemnified Party for any such loss, injury, liability, claim or demand.
- 11.5. The indemnified Party agrees to notify the other Party promptly, in writing, of any written claims, lawsuits, or demands for which it is claimed that the indemnifying Party is responsible under this Section and to cooperate in every reasonable way to facilitate defense or settlement of claims.
- 11.6. The indemnifying Party shall have complete control over defense of the case and over the terms of any proposed settlement or compromise thereof. The indemnifying Party shall not be liable under this Section for settlement by the indemnified Party of any claim, lawsuit, or demand, if the indemnifying Party has not approved the settlement in advance, unless the indemnifying Party has had the defense of the claim, lawsuit, or demand tendered to it in writing and has failed to promptly assume such defense. In the event of such failure to assume defense, the indemnifying Party shall be liable for any reasonable settlement made by the indemnified Party without approval of the indemnifying Party.
- 11.7. When the lines or services of other companies and either Party are used in establishing connections to and/or from points not reached by a Party's lines,

neither Party shall be liable for any act or omission of the other companies or carriers.

- 11.8. In addition to its indemnity obligations hereunder, each Party shall, to the extent allowed by law or Commission Order, provide, in its tariffs and contracts with its End Users that relate to any Telecommunications Services provided or contemplated under this Agreement, that in no case shall such Party or any of its agents, contractors or others retained by such Party be liable to any End Users or third party for

11.8.1. any loss relating to or arising out of this Agreement, whether in contract or tort, that exceeds the amount such Party would have charged the applicable subscriber for the service(s) or function(s) that gave rise to such loss, and

11.8.2. Consequential Damages (as defined in Section 10 above).

- 11.9 If INTRADO COMM has physical collocations under this Agreement, INTRADO COMM shall also indemnify and hold Embarq harmless from any and all damage to tangible personal or real property and/or personal injuries arising from:

11.9.1 INTRADO COMM's use of the Collocation Space to the extent caused by the negligence or willful misconduct or omission of INTRADO COMM;

11.9.2 the conduct of INTRADO COMM's business or from any activity, work or things done, permitted or suffered by INTRADO COMM in or about the Collocation Space or elsewhere to the extent caused by the negligence or willful misconduct or omission of INTRADO COMM;

11.9.3 any and all claims arising from any breach or default in the performance of any obligation on INTRADO COMM's part to be performed under the terms of this Agreement; and

11.9.4 any negligence of the INTRADO COMM, or any of INTRADO COMM's agents, and fees, expenses and liabilities incurred in the defense of any such claim or any action or proceeding brought thereon.

11.9.5 If any action or proceeding is brought against Embarq by reason of any such claim, INTRADO COMM, upon notice from Embarq, shall defend same at INTRADO COMM's expense employing counsel satisfactory to Embarq.

- 11.10 If INTRADO COMM has physical collocations under this Agreement, INTRADO COMM shall at all times indemnify, defend, save and hold harmless Embarq from any claims, liens, demands, charges, encumbrances, litigation and judgments arising directly or indirectly out of any use, occupancy or activity of INTRADO COMM, or out of any work performed, material furnished, or obligations incurred by INTRADO COMM in, upon or otherwise in connection with the Collocation Space. INTRADO COMM shall give Embarq written notice at least ten (10)

Business Days prior to the commencement of any such work on the Collocation Space in order to afford Embarq the opportunity of filing appropriate notices of non-responsibility. However, failure by Embarq to give notice does not reduce INTRADO COMM's liability under this Section.

- 11.11 If INTRADO COMM has physical collocations under this Agreement, INTRADO COMM and if any claim or lien is filed against the Collocation Space, or any action or proceeding is instituted affecting the title to the Collocation Space, INTRADO COMM shall give Embarq written notice thereof as soon as INTRADO COMM obtains such knowledge.
- 11.12 If INTRADO COMM has physical collocations under this Agreement, INTRADO COMM shall, at its expense, within thirty (30) Days after filing of any lien of record, obtain the discharge and release thereof or post a bond in an amount sufficient to accomplish such discharge and release. Nothing contained herein shall prevent Embarq, at the cost and for the account of INTRADO COMM, from obtaining such discharge and release if INTRADO COMM fails or refuses to do the same within the thirty-day period.
- 11.13 If INTRADO COMM has physical collocations under this Agreement, INTRADO COMM and if INTRADO COMM has first discharged the lien as provided by law, INTRADO COMM may, at INTRADO COMM's expense, contest any mechanic's lien in any manner permitted by law.

12. INSURANCE

- 12.1. During the term of this Agreement, INTRADO COMM shall carry, and shall cause any subcontractors to carry, with financially reputable insurers which are licensed to do business in all jurisdictions where any property is located, not less than the following insurance:
- 12.2. Commercial General Liability with limits of not less than \$1,000,000 combined single limit per occurrence and aggregate for bodily injury, property damage and personal and advertising injury liability insurance to include coverage for contractual and products/completed operations liability, naming Embarq as additional insured;
- 12.3. Business Auto liability, including all owned, non-owned and hired automobiles, in an amount of not less than \$1,000,000 combined single limit per accident for bodily injury and property damage liability, naming Embarq as additional insured;
- 12.4. Workers Compensation as provided for in the jurisdiction where the Property is located, with an Employer's Liability limit of not less than \$500,000 per accident or disease; and
- 12.5. Umbrella or excess liability in an amount not less than \$5,000,000 per occurrence and aggregate in excess of the above-referenced Commercial General, Business Auto and Employer's Liability, naming Embarq as additional insured; and

- 12.6. "All Risk" property insurance on a full replacement cost basis insuring INTRADO COMM's property situated on or within the Property, naming Embarq as loss payee to the extent Embarq can demonstrate a financial interest in said property. INTRADO COMM may elect to insure business interruption and contingent business interruption, as it is agreed that Embarq has no liability for loss of profit or revenues should an interruption of service occur.
- 12.7. Nothing contained in this Section shall limit either Party's liability to the other Party to the limits of insurance certified or carried.
- 12.8. All policies required of INTRADO COMM shall contain evidence of the insurer's waiver of the right of subrogation against Embarq for any insured loss covered thereunder with respect to property only. All policies of insurance shall be written as primary policies and not contributing with or in excess of the coverage, if any, that Embarq may carry.
- 12.9. INTRADO COMM shall furnish to Embarq a certificate or certificates of insurance, satisfactory in form and content to Embarq, evidencing that the above coverage is in force and has been endorsed to guarantee that the coverage will not be cancelled without first endeavoring to give at least thirty (30) Days prior written notice to Embarq.

13. BRANDING

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

14. REMEDIES

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

15. CONFIDENTIALITY AND PUBLICITY

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

requirement promptly after Recipient becomes aware of the requirement, and the Recipient undertakes all lawful measures to avoid disclosing such information until Disclosing Party has had reasonable time to obtain a protective order. Recipient will comply with any protective order that covers the Confidential Information to be disclosed.

- 15.5. Each Party agrees that in the event of a breach of this Section 15 by Recipient or its representatives, Disclosing Party shall be entitled to equitable relief, including injunctive relief and specific performance. Such remedies shall not be exclusive, but shall be in addition to all other remedies available at law or in equity.
- 15.6. Unless otherwise agreed, neither Party shall publish or use the other Party's logo, trademark, service mark, name, language, pictures, symbols or words from which the other Party's name may reasonably be inferred or implied in any product, service, advertisement, promotion, or any other publicity matter, except that nothing in this paragraph shall prohibit a Party from engaging in valid comparative advertising. This Section 15.6 shall confer no rights on a Party to the service marks, trademarks and trade names owned or used in connection with services by the other Party or its Affiliates, except as expressly permitted by the other Party.
- 15.7. Neither Party shall produce, publish, or distribute any press release nor other publicity referring to the other Party or its Affiliates, or referring to this Agreement, without the prior written approval of the other Party. Each Party shall obtain the other Party's prior approval before discussing this Agreement in any press or media interviews. In no event shall either Party mischaracterize the contents of this Agreement in any public statement or in any representation to a governmental entity or member thereof.
- 15.8. Except as otherwise expressly provided in this Section 15, nothing herein shall be construed as limiting the rights of either Party with respect to its End User information under any applicable law, including without limitation § 222 of the Act.

16. DISCLAIMER OF WARRANTIES

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

17. ASSIGNMENT AND SUBCONTRACT

- 17.1. If any Affiliate of either Party succeeds to that portion of the business of such Party that is responsible for, or entitled to, any rights, obligations, duties, or other interests under this Agreement, such Affiliate may succeed to those rights, obligations, duties, and interest of such Party under this Agreement. In the event of any such succession hereunder, the successor shall expressly undertake in writing to the other Party the performance and liability for those obligations and duties as to which it is succeeding a Party to this Agreement. Thereafter, the successor Party shall be deemed INTRADO COMM or Embarq and the original Party shall be relieved of such obligations and duties, except for matters arising out of events occurring prior to the date of such undertaking.
- 17.2. Except as provided in Section 17.1, any assignment of this Agreement or of the work to be performed, in whole or in part, or of any other interest of a Party hereunder, without the other Party's written consent, which consent shall not be unreasonably withheld or delayed, shall be void.

18. GOVERNING LAW

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

19. RELATIONSHIP OF PARTIES

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

20. NO THIRD PARTY BENEFICIARIES

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

21. NOTICES

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

If to INTRADO COMM:

Intrado Communications Inc.
Director – Regulatory Compliance
1601 Dry Creek Drive
Longmont, CO 80503

With a copy to:

If to Embarq:

Director - Wholesale Markets
Embarq
KSOPKB0401-413
9300 Metcalf Avenue
Overland Park, KS 66212

With a copy to:

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

22. WAIVERS

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

23. SURVIVAL

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

24. FORCE MAJEURE

- 24.1. Neither Party shall be held liable for any delay or failure in performance of any part of this Agreement from any cause beyond its control and without its fault or negligence, such as acts of God, acts of civil or military authority, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, power blackouts, strikes, work stoppage affecting a

supplier or unusually severe weather. No delay or other failure to perform shall be excused pursuant to this Section 24 unless delay or failure and consequences thereof are beyond the control and without the fault or negligence of the Party claiming excusable delay or other failure to perform. Subject to Sections 4.4, 5.2, 5.2, and 5.5 hereof, in the event of any such excused delay in the performance of a Party's obligation(s) under this Agreement, the due date for the performance of the original obligation(s) shall be extended by a term equal to the time lost by reason of the delay. In the event of such delay, the delayed Party shall perform its obligations at a performance level no less than that which it uses for its own operations. In the event of such performance delay or failure by Embarq, Embarq agrees to resume performance in a nondiscriminatory manner and not favor its own provision of Telecommunications Services above that of INTRADO COMM.

25. DISPUTE RESOLUTION

- 25.1. The Parties recognize and agree that the Commission has continuing jurisdiction to implement and enforce all terms and conditions of this Agreement, except those services in Part I (non-251 services). Accordingly, the Parties agree that any dispute arising out of or relating to this Agreement that the Parties cannot resolve, other than Part I (non-251 services), may be submitted to the Commission for resolution, in the manner provided for herein. The dispute resolution provisions of this Section shall not preclude the Parties from seeking relief available in any other forum.
- 25.2. A Party may not submit a dispute to the Commission for resolution unless at least sixty (60) Days have elapsed after the Party asserting the dispute has given written notice of such dispute to the other Party. Such notice must explain in reasonable detail the specific circumstances and grounds for each disputed item, which shall include the specific information required in Section 7.3 for billing disputes. If a Party gives notice of a billing dispute more than thirty (30) Days after the billing date and has not paid the disputed amounts by the payment due date, then the notice of such dispute shall be deemed to have been given thirty (30) Days after the billing date for purposes of calculating the time period before such dispute may be submitted to the Commission.
- 25.3. The Parties shall meet or confer as often as they reasonably deem necessary in order to discuss the dispute and negotiate in good faith in an effort to resolve such dispute. The specific format for such discussions will be left to the discretion of the Parties, provided, however, that all reasonable requests for relevant, non-privileged, information made by one Party to the other Party shall be honored, and provided that the following terms and conditions shall apply:
 - 25.3.1. If either Party provides written notice to the other Party that a billing dispute has been denied, stating the grounds for such determination, then the other Party shall have ten (10) Days in which to either pay the disputed amounts or to send written notice to the collecting Party advising that the other Party disagrees with the determination, and such notice may be accompanied by any additional, relevant materials.

Failure by the disputing Party to make a timely response to a notice of denial shall result in lifting the suspension of the payment due date for such disputed invoice, and the possible assessment of late charges and suspension or termination of service for non-payment of billed amount in accordance with Section 7.2.

25.3.2. Failure by either Party to make a timely response to a notice of denial shall also preclude that Party from thereafter requesting an escalation of the same dispute under Section 25.4, although the disputing Party may file a petition in compliance with Section 25.5.

25.4. If the Parties are unable to resolve the dispute in the normal course of business within thirty (30) Days after delivery of notice of the Dispute, then upon the request of either Party, the dispute shall be escalated to other representatives of each Party that have authority to settle the dispute, and such escalation may be repeated every thirty (30) Days during which negotiations continue. Referral of a dispute by a Party to its legal counsel shall be considered an escalation for purposes of this paragraph.

25.5. If the Parties are unable to resolve the dispute within sixty (60) Days after delivery of the initial notice of the dispute, then either Party may file a petition or complaint with the Commission seeking resolution of the dispute. The petition or complaint shall include a statement that both Parties have agreed to request an expedited resolution by the Commission within sixty (60) Days from the date on which the petition or complaint was filed with the Commission.

25.6. If the Commission appoints an expert(s) or other facilitator(s) to assist in its decision making, each Party shall pay half of the fees and expenses so incurred.

25.7. During the Commission proceeding each Party shall continue to perform its obligations under this Agreement provided, however, that neither Party shall be required to act in any unlawful fashion.

25.8. A dispute which has been resolved by a written settlement agreement between the Parties or pursuant to a determination by the Commission may not be resubmitted under the dispute resolution process.

26. COOPERATION ON FRAUD

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

27. TAXES

27.1. For purposes of this Section, the terms "taxes" and "fees" shall include but not be limited to federal, state or local sales, use, excise, gross receipts or other taxes or tax-like fees of whatever nature and however designated (including Tariff

surcharges and any fees, charges or other payments, contractual or otherwise, for the use of public streets or rights of way, whether designated as franchise fees or otherwise) imposed, or sought to be imposed, on or with respect to the services furnished hereunder or measured by the charges or payments therefore, excluding any taxes levied on income.

27.2. Taxes and Fees Imposed Directly On Either Providing Party or Purchasing Party.

27.2.1. Taxes and fees imposed on the providing Party, which are not permitted or required to be passed on by the providing Party to its End User, shall be borne and paid by the providing Party.

27.2.2. Taxes and fees imposed on the purchasing Party, which are not required to be collected and/or remitted by the providing Party, shall be borne and paid by the purchasing Party.

27.3. Taxes and Fees Imposed on Purchasing Party but Collected And Remitted By Providing Party.

27.3.1. Taxes and fees imposed on the purchasing Party shall be borne by the purchasing Party, even if the obligation to collect and/or remit such taxes or fees is placed on the providing Party.

27.3.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.

27.3.3. If the purchasing Party determines that in its opinion any such taxes or fees are not payable, the providing Party shall not bill such taxes or fees to the purchasing Party if the purchasing Party provides written certification, reasonably satisfactory to the providing Party, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis therefore, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing Party has determined and certified not to be payable, or any such tax or fee that was not billed by the providing Party, the purchasing Party may contest the same in good faith, at its own expense. In any such contest, the purchasing Party shall promptly furnish the providing Party with copies of all filings in any proceeding, protest, or legal challenge, all rulings issued in connection therewith, and all correspondence between the purchasing Party and the taxing authority.

27.3.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be

responsible for such payment and shall be entitled to the benefit of any refund or recovery.

27.3.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.

27.3.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.

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

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

27.4.1. Taxes and fees imposed on the providing Party, which are permitted or required to be passed on by the providing Party to its End User, shall be borne by the purchasing Party.

27.4.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. Notwithstanding the foregoing, the purchasing Party shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing Party at the time that the respective service is billed.

27.4.3. If the purchasing Party disagrees with the providing Party's determination as to the application or basis for any such tax or fee, the Parties shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the foregoing, the providing Party shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing Party shall abide by such determination and pay such taxes or fees to the providing Party. The providing Party shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing Party shall be at the purchasing Party's expense.

27.4.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or

to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.

- 27.4.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.
- 27.4.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other reasonable charges or payable expenses (including reasonable attorneys' fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee.
- 27.4.7. Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) Days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) Days after receipt of such assessment, proposed assessment or claim.
- 27.5. In any contest of a tax or fee by one Party, the other Party shall cooperate fully by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest. Further, the other Party shall be reimbursed for any reasonable and necessary out-of-pocket copying and travel expenses incurred in assisting in such contest.
- 27.6. To the extent a sale is claimed to be for resale and thus subject to tax exemption, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation of the jurisdiction providing said resale tax exemption. If Applicable Law excludes or exempts a purchase of services under this Agreement from a Tax, but does not also provide an exemption procedure, then the providing Party will not collect such Tax if the purchasing Party furnishes the providing Party with a letter or other evidence of exemption, reasonably satisfactory to the providing Party, claiming an exemption and identifying the Applicable Law that both allows such exemption and does not require an exemption certificate. If the exemption is later found to be invalid by the applicable jurisdiction, then the purchasing Party shall pay any tax, interest and/or penalty that is determined to be due, and shall be responsible for any costs incurred by the providing Party, including but not limited to reasonable attorneys' fees.

28. AMENDMENTS AND MODIFICATIONS

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

29. SEVERABILITY

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

30. HEADINGS NOT CONTROLLING

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

31. ENTIRE AGREEMENT

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

32. SUCCESSORS AND ASSIGNS

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

33. IMPLEMENTATION PLAN

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

and satisfy the standards set forth in this Agreement and implement each Party's obligations hereunder.

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

34. FEDERAL JURISDICTIONAL AREAS

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

PART C – GENERAL PRINCIPLES

35. USE OF FACILITIES

35.1. In situations where a competitive LEC has the use of the facilities (*i.e.*, Local Loop) to a specific End User premise, either through resale of local service or the lease of the Local Loop as an Unbundled Network Element, and Embarq receives a good faith request for service from a End User at the same premise or from another carrier with the appropriate End User authorization, the procedures below will apply.

35.1.1. Embarq will process such orders and provision services consistent with the terms contained in Section 72, of this Agreement.

35.1.2. Where INTRADO COMM is using a single facility to provide service to multiple End User, Embarq will not disconnect that facility as a result of the following procedures.

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

35.1.4. End User with Existing Service Changing Local Service Provider:

In situations where a competitive LEC submits an order for an End User that is changing local service providers for existing service, and is not adding service (*i.e.*, an additional line), Embarq will process the service request without delay, and provide the losing competitive LEC a End User loss notification consistent with industry standards.

35.1.5. End User with Existing Service Adding New Service

In situations where an order is submitted for an End User adding service to existing service (*i.e.*, an additional line), the order should be marked as an additional line and existing facilities will not be affected.

35.1.6. End User Requesting New Service where Previous End User has Abandoned Service

- (a) The following applies in the case where an End User vacates premises without notifying the local service provider and a new End User moves into the vacated premises and orders new service from a local service provider and neither Embarq nor the previous local service provider are aware that the original End User has abandoned the service in place.
- (b) When a carrier requests service at a location and marks the order as abandoned and INTRADO COMM is the previous local service provider, Embarq shall notify INTRADO COMM

via fax that it has had a request for service at the premise location that is currently being served by INTRADO COMM;

- (c) If available to Embarq, Embarq shall include the name and address of the party receiving service at such locations, but at a minimum shall provide local service address location information;
- (d) If INTRADO COMM does not respond within twenty-four (24) hours (excluding weekends and holidays) after receiving Embarq's notification or if INTRADO COMM responds relinquishing the facilities, Embarq shall be free to use the facilities in question and Embarq shall issue a disconnect order with respect to the INTRADO COMM service at that location. If INTRADO COMM responds stating that the service is working and should not be disconnected, Embarq will notify the carrier ordering service and request verification of the address and location or the submission of an order for an additional line.

36. PRICE SCHEDULE

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

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

36.3. Local Service Resale

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

36.4. Unbundled Network Elements

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

36.5. Collocation

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

36.6. Call Related Databases

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

37. SECURITY DEPOSIT

- 37.1. Embarq reserves the right to secure the account with a suitable security deposit in the form and amounts set forth herein.
- 37.2. Security deposits shall take the form of cash or cash equivalent, an irrevocable letter of credit or other form of security acceptable to Embarq.
- 37.3. If a security deposit is required on a new account, INTRADO COMM will remit such security deposit prior to inauguration of service. If a security deposit is requested for an existing account, payment of the security deposit will be made prior to acceptance by Embarq of additional orders for service.
- 37.4. Security deposits shall be in an amount equal to three (3) months' estimated billings as calculated by Embarq, or twice the most recent month's invoices from Embarq for existing accounts. All security deposits will be subject to a minimum deposit level of \$10,000.
- 37.5. The fact that a security deposit has been made in no way relieves INTRADO COMM from complying with Embarq's regulations as to advance payments and the prompt payment of bills on presentation, nor is it a waiver or modification of the regular practices of Embarq for the discontinuance of service for non-payment of any sums due Embarq.
- 37.6. Embarq may increase the security deposit requirements when gross monthly billing has increased beyond the level initially used to determine the security deposit. If payment of the additional security deposit amount is not made within thirty (30) Days of the request, Embarq may stop processing orders for service and INTRADO COMM will be considered in breach of the Agreement.
- 37.7. Any security deposit shall be held by Embarq as a guarantee of payment of any charges for services billed to INTRADO COMM pursuant to this Agreement or in connection with any other services provided to INTRADO COMM by Embarq. Embarq may exercise its right to credit any cash deposit to INTRADO COMM's account, or to demand payment from the issuing bank or bonding company of any irrevocable bank letter of credit, upon the occurrence of any one of the following events:
 - 37.7.1. when INTRADO COMM's undisputed balances due to Embarq are more than thirty (30) Days past due; or
 - 37.7.2. when INTRADO COMM files for protection under the bankruptcy laws;
or

- 37.7.3. when an involuntary petition in bankruptcy is filed against INTRADO COMM and is not dismissed within sixty (60) Days;
 - 37.7.4. when this Agreement expires or terminates;
 - 37.7.5. any letter of credit issued hereunder or any bank issuing a letter of credit hereunder (each, a "Letter of Credit Bank") fails to meet the terms, conditions, and requirements set forth below in this Section; ; or
 - 37.7.6. INTRADO COMM fails to provide Embarq with a replacement letter of credit on the terms set forth herein at least ten (10) Business Days prior to the expiration of any letter of credit issued to Embarq hereunder.
- 37.8. If any security deposit held by Embarq is applied as a credit toward payment of INTRADO COMM's balances due to Embarq, then Embarq may require the INTRADO COMM to provide a new deposit. If payment of the new deposit is not made within thirty (30) Days of the request, Embarq may stop processing orders for service and INTRADO COMM will be considered in breach of the Agreement.
- 37.9. Any security deposit may be held during the continuance of the service as security for the payment of any and all amounts accruing for the service. No interest will accrue or be paid on deposits.
- 37.10. Any letter of credit issued to Embarq hereunder must meet the following requirements:
- 37.10.1. The bank issuing any letter of credit hereunder (the "Letter of Credit Bank") must maintain a minimum credit rating of A (by Standard & Poor's) or A2 (by Moody's). If INTRADO COMM proposes that the letter of credit be issued by a bank that is not so rated by Standard & Poor's or Moody's, then INTRADO COMM must obtain the prior written approval by Embarq to use such bank as the Letter of Credit Bank.
 - 37.10.2. The original letter of credit shall be in such form and on terms that are acceptable to Embarq and must include an automatic one-year renewal extension.
 - 37.10.3. If INTRADO COMM receives notice from the Letter of Credit Bank of any non-renewal of a letter of credit issued hereunder, then INTRADO COMM shall promptly notify Embarq of such notice of non-renewal. Not later than ten (10) Business Days prior to the expiration of the letter of credit, INTRADO COMM shall provide Embarq a replacement letter of credit on substantially identical terms to the existing letter of credit (or such other terms as are acceptable to Embarq). If INTRADO COMM provides a replacement letter of credit not later than 10 Business Days prior to the expiration of the expiring letter of credit, then Embarq shall not make a drawing under

the expiring letter of credit. Upon receipt of a replacement letter of credit meeting the requirements set forth in this Agreement, Embarq will provide the original, expiring letter of credit to INTRADO COMM.

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

PART D – LOCAL RESALE

38. TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE

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

39. GENERAL TERMS AND CONDITIONS

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

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

39.1.2. Embarq shall offer for resale to INTRADO COMM all Grandfathered Services solely for the existing grandfathered base on an End User specific basis. Embarq shall make reasonable efforts to provide INTRADO COMM with advance copy of any request for the termination of service and/or grandfathering to be filed by Embarq with the Commission.

39.1.3. Embarq shall offer for resale all of its Telecommunications Services available at retail to End Users who are not Telecommunications Carriers, including but not limited to Contract Service Arrangements (or ICB), Special Arrangements (or ICB), and Promotions in excess of ninety (90) Days, all in accordance with FCC and Commission Rules and Regulations. For Contract Service Arrangements, Special Arrangements, or ICBs, the End User agreement with Embarq will terminate and any applicable termination liabilities will be charged to the End User. The terms of the Contract Service Arrangement, Special Arrangement or ICB will apply commencing on the date INTRADO COMM commences to provide service to the End User and ending on

the end date of the Contract Service Arrangement, Special Arrangement or ICB. Embarq will apply the rate in the Contract Service Arrangement, Special Arrangement or ICB in accordance with Section 39.1.

39.1.4. Customer Owned Coin Operated Telephone (COCOT) or Pay Telephone Access lines will not be resold to payphone service providers at wholesale prices under this Agreement.

39.1.5. For Telecommunications Services that are offered by Embarq to its End Users and that are available for resale, the rules and regulations associated with Embarq's retail Tariff(s) shall apply when the services are resold by INTRADO COMM. Use limitations shall be in Parity with services offered by Embarq to its End Users.

39.1.6. Except as set forth above and as may be allowed by the FCC or Commission, Embarq shall not place conditions or restrictions on INTRADO COMM's resale of wholesale regulated Telecommunications Services, except for restrictions on the resale of residential service to other classifications (*e.g.*, residential service to business End User) and for promotions of ninety (90) Days or less in length. In addition, INTRADO COMM shall be prohibited from marketing its products using the Embarq product name (*e.g.*, INTRADO COMM may purchase the features package called "Embarq Essential" but shall be prohibited from reselling this product using the Embarq brand name or the Embarq product name). Every regulated retail service rate, including promotions over ninety (90) Days in length, discounts, and option plans will have a corresponding wholesale rate. Embarq will make wholesale Telecommunications Service offerings available for all new regulated services at the same time the retail service becomes available.

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

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

39.1.9. LIDB Administration

- (a) Embarq shall maintain End User information for INTRADO COMM End User who subscribe to resold Embarq local service dial tone lines, in Embarq's LIDB in the same manner that it maintains information in LIDB for its own similarly situated End Users. Embarq shall update and maintain the INTRADO COMM information in LIDB on the same schedule that it uses for its own similarly situated End Users.
- (b) Until such time as Embarq's LIDB has the software capability to recognize a resold number as INTRADO COMM's, Embarq shall store the resold number in its LIDB at no charge and shall retain revenue for LIDB look-ups to the resold number.

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

PART E – UNBUNDLED NETWORK ELEMENTS

40. GENERAL

- 40.1. Pursuant to the following terms, Embarq will unbundle and separately price and offer Unbundled Network Elements (“UNEs”). INTRADO COMM shall pay Embarq each month for the UNEs provisioned, and shall pay the non-recurring charges listed in Table One or agreed to by the Parties. It is INTRADO COMM’s obligation to combine Embarq-provided UNEs with any facilities and services that INTRADO COMM may itself provide. Embarq shall provide INTRADO COMM with nondiscriminatory access to 911 and E911 databases on an unbundled basis, in accordance with section 251(c)(3) of the Act. This includes MSAG and ALI databases.

41. USE OF UNBUNDLED NETWORK ELEMENTS

- 41.1. Embarq shall offer UNEs to INTRADO COMM for the purpose of offering Telecommunications Service to INTRADO COMM End Users. Embarq shall offer UNEs to INTRADO COMM on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement.
- 41.2. INTRADO COMM may use one or more UNEs to provide any feature, function, capability, or service option that such UNE(s) is (are) technically capable of providing, except as otherwise limited herein. Except as provided elsewhere in this Agreement, it is INTRADO COMM’s obligation to combine Embarq provided UNEs with any and all facilities and services whether provided by Embarq, INTRADO COMM, or any other party. INTRADO COMM may Commingle UNEs with Wholesale Services or Tariffed access services obtained from Embarq as provided for in this Agreement.
- 41.3. Each UNE provided by Embarq to INTRADO COMM shall be at Parity with the quality of design, performance, features, functions, capabilities and other characteristics, that Embarq provides to itself, Embarq’s own End Users, to an Embarq Affiliate or to any other Telecommunications Carrier requesting access to that UNE.
- 41.4. INTRADO COMM may use Network Elements provided under this Agreement for any Telecommunications Service subject to the conditions listed below. By placing an order for UNEs, INTRADO COMM certifies that these requirements are met.
- 41.4.1. Any combination of the following, where both are provided by Embarq, are subject to the EEL use restrictions in Section 53. Such restrictions apply irrespective of the manner in which the loops and transport are combined:

- (a) high capacity loops (DS1, DS3), to the extent available, and special access transport (a commingled facility); or
- (b) special access channel terminations (DS1, DS3) and Dedicated Transport (DS1, DS3), to the extent available (a commingled facility), or
- (c) high capacity loops (DS1, DS3) and Dedicated Transport (DS1, DS3).

41.4.2. INTRADO COMM may not order or use a UNE for the exclusive provision of Mobile Wireless Service. Facilities connecting Embarq's network and CMRS carriers' networks do not qualify as UNEs and will not be available to INTRADO COMM as UNEs.

41.4.3. INTRADO COMM may not order or use a UNE for the exclusive provision of Interexchange Services (*i.e.*, interLATA or intraLATA long distance). Facilities connecting Embarq's network and interexchange carriers' networks used by the interexchange carrier to exclusively provide such services to End Users do not qualify as UNEs and will not be available to INTRADO COMM as UNE.

41.4.4. INTRADO COMM must use any UNE purchased from Embarq for the purpose of providing eligible telecommunications services (not exclusively Mobile Wireless Service or Interexchange Services). INTRADO COMM may use a UNE for the provision of Interexchange Services, Mobile Wireless Service, or Information Services, if INTRADO COMM is also providing an eligible telecommunications service over the same UNE. INTRADO COMM may not order or use a UNE for the sole purpose of selling it to another carrier for the exclusive provision of Mobile Wireless Service or Interexchange Services.

41.4.5. An Information Service is not an eligible telecommunications service except that INTRADO COMM can use unbundled loops to provide xDSL services in accordance with this Agreement.

42. BONA FIDE REQUEST PROCESS

42.1. Embarq shall promptly consider and analyze INTRADO COMM requests for unbundled Network Elements included in this Agreement that are not currently developed by Embarq, network information that is reasonably required to determine what unbundled Network Elements it needs to serve a particular End User or development of and changes to Embarq work processes related to ordering, provisioning or installation of unbundled Network Elements with the submission of a Bona Fide Request ("BFR") hereunder.

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

- 42.3. INTRADO COMM may cancel a BFR at any time, but shall pay all reasonable and demonstrable costs of processing and/or implementing the BFR up to the date of cancellation.
- 42.4. Within ten (10) Days of its receipt, the Embarq shall acknowledge receipt of the BFR.
- 42.5. Except under extraordinary circumstances, within thirty (30) Days of its receipt of a BFR, the Embarq shall provide to INTRADO COMM a preliminary analysis of such BFR.
- 42.6. Upon receipt of the preliminary analysis, INTRADO COMM shall, within thirty (30) Days, notify Embarq, in writing, of its intent to proceed or not to proceed.
- 42.7. Embarq shall promptly proceed with the BFR upon receipt of written authorization from INTRADO COMM. When it receives such authorization, Embarq shall promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.
- 42.8. As soon as feasible, but not more than ninety (90) Days after its receipt of authorization to proceed with developing the BFR, Embarq shall provide to INTRADO COMM a BFR Quote which will include, at a minimum, a description of each service, the availability, the applicable rates and the installation intervals.
- 42.9. Within thirty (30) Days of its receipt of the BFR Quote, INTRADO COMM must either confirm, in writing, its order for the BFR pursuant to the BFR Quote or if a disagreement arises, seek resolution of the dispute under the Dispute Resolution procedures in Part B of this Agreement.
- 42.10. If a Party to a BFR believes that the other Party is not requesting, negotiating or processing the BFR in good faith, or disputes a determination, or price or cost quote, such Party may seek resolution of the dispute pursuant to the Dispute Resolution provisions in Part B of this Agreement.

43. INDIVIDUAL CASE BASIS PRICING

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

44. NETWORK INTERFACE DEVICE

- 44.1. Embarq will offer unbundled access to the network interface device element (NID). The NID is defined as any means of interconnection of End User premises

wiring to an incumbent LEC's distribution plant, such as a cross connect device used for that purpose. This includes all features, functions, and capabilities of the facilities used to connect the loop to end-user End User premises wiring, regardless of the specific mechanical design.

- 44.2. The function of the NID is to establish the network demarcation point between a LEC (ILEC/INTRADO COMM) and its End User. The NID provides a protective ground connection, protection against lightning and other high voltage surges and is capable of terminating cables such as twisted pair cable.
- 44.3. INTRADO COMM may connect its NID to Embarq's NID; may connect an unbundled loop to INTRADO COMM's NID; or may connect INTRADO COMM's own Loop to Embarq's NID, except that INTRADO COMM may not disconnect Embarq's loop and leave it disconnected from Embarq's NID. Embarq will provide one NID termination with each loop. If additional NID terminations are required, INTRADO COMM may request them pursuant to the process detailed in the Bona Fide Request Section herein.
- 44.4. Embarq will provide INTRADO COMM with information that will enable their technician to locate End User inside wiring at NIDs terminating multiple End User. Embarq will dispatch a technician and tag the wiring at the INTRADO COMM's request. In such cases the charges specified in Table One will apply.
- 44.5. Embarq will not provide specialized (Embarq non-standard) NIDS.
- 44.6. The Embarq NID shall provide a clean, accessible point of connection for the inside wiring and for the distribution media and/or cross connect to INTRADO COMM's NID and shall maintain a connection to ground that meets applicable industry standards. Each Party shall ground its NID independently of the other Party's NID.
- 44.7. When requested, Embarq will provide NIDs separately from loops for a separate price as shown in Table One. A NID will be provided with each unbundled loop and is included in the loop pricing shown in Table One.

45. LOOP

- 45.1. Embarq will provide INTRADO COMM access to Local Loops, including Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. The following section includes the terms and conditions for Copper Loops, DS1 Loops, DS3 Loops, Hybrid Loops, FTTC Loops and FTTH Loops. Terms and conditions for making any network modifications resulting from INTRADO COMM's request for Local Loops are contained in Section 54.
- 45.2. At INTRADO COMM's request, and if Technically Feasible, Embarq will test and report trouble on conditioned loops for all of the line's features, functions, and capabilities, and will not restrict its testing to voice-transmission only. Testing shall include Basic Testing and Cooperative Testing. Optional Cooperative Testing and Joint Testing are performed only at INTRADO

COMM's request. To the extent INTRADO COMM requests testing that would require Embarq to purchase new equipment, establish new procedures, or make systems modifications, INTRADO COMM will compensate Embarq for costs incurred to provide such testing. Request for additional testing must be submitted pursuant to the BFR Process in Section **Error! Reference source not found.**

45.2.1. Basic Testing shall include simple metallic measurements only. Basic Testing does not include cooperative or joint testing efforts that require Embarq's technician to work jointly with INTRADO COMM's staff ("Cooperative Testing" or "Joint Testing").

45.2.2. Cooperative Testing is provided on service order activity only and will be provided by Embarq at INTRADO COMM's expense. Embarq technicians will try to contact INTRADO COMM's representative at the conclusion of installation. If the INTRADO COMM does not respond within three (3) minutes, Embarq may, in its sole discretion, continue its attempts to contact the INTRADO COMM's representative, and bill the INTRADO COMM in increments of 15 minutes for the technician's time for so long as such efforts continue, or Embarq may abandon the test and INTRADO COMM will be charged for the test and any additional technician time involved.

45.2.3. Joint Testing is provided on maintenance activity only and will be provided by Embarq at INTRADO COMM's expense, when requested. Embarq technicians will try to contact INTRADO COMM's representative to initiate Joint Testing after completing the requested activity. If the INTRADO COMM does not respond within three (3) minutes, Embarq may, in its sole discretion, continue its attempts to contact the INTRADO COMM's representative, and bill the INTRADO COMM in increments of 15 minutes for the technician's time for so long as such efforts continue, or Embarq may abandon the test and INTRADO COMM will be charged for the test and any additional technician time involved. Loops involving multiplexing prohibit the reading of a short.

45.2.4. Embarq will charge INTRADO COMM at the rates set out on Table One, when the location of the trouble on a INTRADO COMM-reported ticket is determined to be in INTRADO COMM's network or on the INTRADO COMM End User's side of the Demarcation Point.

45.3. Analog Loop Capabilities

45.3.1. Analog loops facilitate the transmission of voice grade signals in the 300-3000 Hz range and terminate in a 2-wire or 4-wire electrical interface at the INTRADO COMM's End User's premises. INTRADO COMM shall not install equipment on analog Loops that exceeds the specified bandwidth.

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

45.4. Digital Loops

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

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

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

45.5. Non-Standard Digital Loops

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

45.6. DS1 Loops

45.6.1. Subject to the cap in Section 45.6.2, Embarq will provide INTRADO COMM nondiscriminatory access to a DS1 Loop on an unbundled basis to any building not served by a Wire Center with at least 60,000 Business Lines and at least four Fiber-based Collocators. Once a Wire Center exceeds both of these thresholds, no future DS1 loop unbundling will be required in that Wire Center. DS1 Loops include, but are not

limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate digital subscriber line services, including T1 services. The Wire Centers that meet these requirements as of the date of this Agreement are listed on Exhibit A.

45.6.2. INTRADO COMM may obtain a maximum of ten unbundled DS1 Loops to any single building in which DS1 Loops are available as unbundled loops.

45.6.3. Where Embarq is not required to provide unbundled DS1 Loops pursuant to Sections 45.6.1 and 45.6.2, INTRADO COMM may not obtain new DS1 Loops as UNEs.

45.6.4. Any DS1 Loops that INTRADO COMM previously leased from Embarq but which Embarq is not obligated to unbundle pursuant to Sections 45.6.1 and 45.6.2, are subject to the following:

- (a) Such DS1 Loops must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert the DS1 Loops to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS1 Loops to comparable access services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.
- (b) Any service provided to INTRADO COMM by Embarq after 03/10/06 over DS1 Loops that Embarq was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after Embarq was no longer required to unbundle such facilities
- (c) Any service provided to INTRADO COMM by Embarq between 03/11/05 and 03/10/06 over such DS1 Loops that INTRADO COMM placed in service prior to 03/11/05 shall be subject to billing at 115% of the rate that was applicable to such DS1 Loops immediately prior to such period.

45.6.5. If Embarq identifies Wire Centers in addition to those listed on Exhibit A that exceed the DS1 Loop threshold, Embarq will provide INTRADO COMM notice in accordance with the notice provisions of this Agreement and Embarq will also post such information on its website. INTRADO COMM shall not be able to order new DS1 Loops for the identified Wire Centers after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a Wire Center designation and the dispute was resolved by the Commission, the Parties will abide by

the Commission's decision. Any DS1 Loops leased from Embarq within an identified Wire Center on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate equal that is 115% of rate INTRADO COMM paid on the date of the notice.

- (a) INTRADO COMM must submit the necessary orders to convert such DS1 Loops to an alternative service arrangement within six (6) months of the above notice date. By the end of the six month period, INTRADO COMM must have transitioned the UNEs to alternative facilities or arrangements. If INTRADO COMM fails to submit the necessary orders before the end of the six (6) month period, Embarq will convert the DS1 Loops to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.

45.7. DS3 Loops

45.7.1. Subject to the cap described in Section 45.7.2, Embarq shall provide INTRADO COMM with nondiscriminatory access to a DS3 Loop on an unbundled basis to any building not served by a Wire Center with at least 38,000 Business Lines and at least four Fiber-based Collocators. Once a Wire Center exceeds both of these thresholds, no future DS3 Loop unbundling will be required in that Wire Center. The Wire Centers that meet these requirements as of the date of this Agreement are listed on Exhibit A.

45.7.2. INTRADO COMM may obtain a maximum of a single unbundled DS3 Loop to any single building in which DS3 Loops are available as unbundled loops.

45.7.3. Where Embarq is not required to provide unbundled DS3 Loops pursuant to Sections 45.7.1 and 45.7.2, INTRADO COMM may not obtain new DS3 Loops as UNEs.

45.7.4. Any DS3 Loop UNEs that INTRADO COMM previously leased from Embarq but which Embarq is not obligated to unbundle pursuant to Sections 45.7.1 and 45.7.2, are subject to the following:

- (a) Such DS3 Loops must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert the DS3 Loops to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS3 Loops to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.

- (b) Any service provided to INTRADO COMM by Embarq after 03/10/06 over DS3 Loops that Embarq was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after Embarq was no longer required to unbundle such facilities.
- (c) Any service provided to INTRADO COMM by Embarq between 03/11/05 and 03/10/06 over such DS3 Loops that INTRADO COMM placed in service prior to 03/11/05 shall be subject to billing at 115% of the rate that was applicable to such DS1 Loops immediately prior to such period.

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

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

45.8. Adherence to National Industry Standards

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

45.8.2. Until long term industry standards and practices can be established, a particular technology shall be presumed acceptable for deployment under certain circumstances. Deployment that is consistent with at least one of the following circumstances presumes that such loop technology

will not significantly degrade the performance of other advanced services or impair traditional analog circuit-switched voice band services:

- (a) Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;
- (b) Is approved by an industry standards body, the FCC, or any state commission or;
- (c) Has been successfully deployed by any INTRADO COMM without significantly degrading the performance of other services.

45.8.3. Where INTRADO COMM seeks to establish that deployment of a technology falls within the presumption of acceptability under Section 45.8.2, the burden is on INTRADO COMM to demonstrate to the Commission that its proposed deployment meets the threshold for a presumption of acceptability and will not, in fact, significantly degrade the performance of other advanced services or traditional voice band services.

45.8.4. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering Party and give them a reasonable opportunity to correct the problem. The interfering Party will immediately stop any new deployment until the problem is resolved to mitigate disruption of other carrier services. If the affected Parties are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that the deployed technology is the cause of the interference, the deploying Party will remedy the problem by reducing the number of existing End Users utilizing the technology or by migrating them to another technology that does not disturb.

45.8.5. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 45.8.2, the degraded service shall not prevail against the newly deployed technology.

45.8.6. If Embarq denies a request by INTRADO COMM to deploy a technology, it will provide detailed, specific information providing the reasons for the rejection.

45.8.7. Parties agree to abide by national standards as developed by ANSI, i.e., Committee T1E1.4 group defining standards for loop technology. At the time the deployed technology is standardized by ANSI or the recognized standards body, the INTRADO COMM will upgrade its equipment to the adopted standard within sixty (60) Days of the standard being adopted.

- 45.8.8. INTRADO COMM shall meet the power spectral density requirement given in the respective technical references listed below:
- (a) For Basic Rate ISDN: Telcordia TR-NWT-000393 Generic Requirements for ISDN Basic Access Digital Subscriber Lines.
 - (b) For HDSL installations: Telcordia TA-NWT-001210 Generic Requirements for High-Bit-Rate Digital Subscriber Lines. Some fractional T1 derived products operating at 768 kbps may use the same standard.
 - (c) For ADSL: ANSI T1.413-1998 (Issue 2 and subsequent revisions) Asymmetrical Digital Subscriber Line (ADSL) Metallic Interface.
 - (d) As an alternative to Section 45.8.8, INTRADO COMM may meet the requirements given in ANSI document T1E1.4/2000-002R2 dated May 1, 2000. "Working Draft of Spectrum Management Standard" and subsequent revisions of this document.

45.9. Information to be Provided for Deployment of Advanced Services

45.9.1. Upon request, Embarq shall provide to INTRADO COMM:

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

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

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

- (c) to the extent not previously provided INTRADO COMM must disclose to Embarq every SMC that the INTRADO COMM has implemented on Embarq's facilities to permit effective Spectrum Management.
- 45.10. Hybrid Loops. Embarq will provide INTRADO COMM access to Hybrid Loops for the provision of narrowband services as provided below. Embarq is not required to provide unbundled access to the packet switched features, functions, and capabilities of its Hybrid Loops.
 - 45.10.1. When INTRADO COMM requests access to a Hybrid Loop for the provision of narrowband services, Embarq will
 - (a) Provide non-discriminatory unbundled access to the entire Hybrid Loop capable of providing voice-grade service (*i.e.*, equivalent to DS0 capacity) using time division multiplexing, or
 - (b) Provide non-discriminatory unbundled access to a spare Copper Loop serving that End User.
- 45.11. Fiber Loops
 - 45.11.1. Dark Fiber Loops
 - (a) Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is unactivated fiber optic cable, deployed by Embarq that has not been activated through connections to optronics that light it, and thereby render it capable of carrying communications.
 - (b) Embarq is not required to provide INTRADO COMM with access to Drk Fiber Loop on an unbundled basis.
 - (c) Any Dark Fiber Loop that INTRADO COMM previously leased from Embarq but which Embarq is not obligated to unbundle pursuant to Sections 45.11 shall be subject to the following:
 - (i) Such Dark Fiber Loops must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert such Dark Fiber Loops to an alternative service arrangement within such thirty (30) Day period, Embarq will have the right to disconnect such Dark Fiber Loops.
 - (ii) Any service provided by Embarq to INTRADO COMM over Dark Fiber Loops between 03/11/05 and 09/05/06 shall be billed at 115% of the rate applicable for such Dark Fiber Loops immediately prior to that period, and any service provided by Embarq to INTRADO COMM over Dark Fiber

Loops after 09/05/06 and prior to such conversion or disconnection shall be billed at applicable rates for comparable access services based on the capacity of the electronics deployed by the INTRADO COMM in connection with such Dark Fiber Loops.

45.12. FTTH and FTTC Fiber Loops

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

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

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

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

45.13.1. Embarq will include the following information on the label: order number, due date, INTRADO COMM name, and the circuit number.

45.13.2. INTRADO COMM must specify on the order form whether each Loop should be tagged and labeled.

- 45.13.3. The rates for Loop tag and label and related services are set forth on Table One. A trip charge may be billed in addition to the Tag and Label charges.

46. SUBLOOPS

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

minimum point of entry, the single point of interconnection, and the feeder/distribution interface.

46.4.2. Upon request for interconnection at a multiunit premises where Embarq owns, controls, or leases wiring, Embarq will provide a single point of interconnection that is suitable for use by multiple carriers. If the Parties do not agree on appropriate terms, conditions and rates for the single point of interconnection to multiunit premises wiring either Party may invoke the Dispute Resolution provisions of this Agreement.

46.5. Embarq will not provide or maintain inside wire in situations where it determines there are health or safety concerns in doing so.

46.6. Deployment of advanced services by INTRADO COMM over subloops will be in accordance with the terms included in Section 45.8 and Section 45.9.

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

47. OPERATIONS SUPPORT SYSTEMS (OSS)

47.1. Embarq will offer unbundled access to Embarq's operations support systems to the extent technically feasible in a non-discriminatory manner at Parity. OSS consists of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by Embarq's databases and information. The OSS element includes access to all loop qualification information contained in Embarq's databases or other records, including information on whether a particular loop is capable of providing advanced services.

48. LOOP MAKE-UP INFORMATION

48.1. Embarq shall make available Loop Make-Up Information in a non-discriminatory manner at Parity with the data and access it gives itself and other INTRADO COMMs, including affiliates. The charges for Loop Make-Up Information are set forth in Table One to this Agreement.

48.2. Information provided to the INTRADO COMM will not be filtered or digested in a manner that would affect the INTRADO COMM's ability to qualify the loop for advanced services.

48.3. Embarq shall provide Loop Make-Up Information based on the individual telephone number or address of an End User in a particular Wire Center or NXX code. Loop Make-Up Information requests will be rejected if the service address

is not found within existing serving address information, if the telephone number provided is not a working number or if the POI identified is not a POI where the requesting INTRADO COMM connects to the Embarq LTD network.

- 48.4. Errors identified in validation of the Loop Make-Up Information inquiry order will be returned to the INTRADO COMM.
- 48.5. Embarq may provide the requested Loop Make-Up Information to the INTRADO COMMs in whatever manner Embarq would provide to their own internal personnel, without jeopardizing the integrity of proprietary information (*i.e.*, fax, intranet inquiry, document delivery, etc.). If the data is provided via fax, INTRADO COMM must provide a unique fax number used solely for the receipt of Loop Make-Up Information.
- 48.6. If INTRADO COMM does not order Loop Make-Up Information prior to placing an order for a loop for the purpose of provisioning of an advanced service and the advanced service cannot be successfully implemented on that loop, INTRADO COMM agrees that:
 - 48.6.1. INTRADO COMM will be charged a Trouble Isolation Charge to determine the cause of the failure;
 - 48.6.2. If Embarq undertakes Loop Make-Up Information activity to determine the reason for such failure, INTRADO COMM will be charged a Loop Make-Up Information Charge; and
 - 48.6.3. If Embarq undertakes Conditioning activity for a particular loop to provide for the successful installation of advanced services, INTRADO COMM will pay applicable conditioning charges as set forth in Table One pursuant to Section 54.3 of this Agreement.

49. LOCAL CIRCUIT SWITCHING

- 49.1. Embarq is not required to provide access to local circuit switching on an unbundled basis.
- 49.2. Any local circuit switching element that INTRADO COMM previously obtained from Embarq on an unbundled basis, including local circuit switching previously provided as part of UNE-P, shall be subject to the following:
 - 49.2.1. Such local circuit switching must be converted to an alternative arrangement within thirty (30) Days after the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert and complete the transition of such local circuit switching element to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert such local circuit switching to comparable Wholesale Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.

49.2.2. Any local circuit switching, including local circuit switching provided by Embarq to INTRADO COMM as part of UNE-P between 03/11/05 and 03/10/06 shall be subject to billing by Embarq at the transition rates established by the FCC, and any local circuit switching, including local circuit switching provided by Embarq to INTRADO COMM as part of UNE-P after 03/10/06 shall be subject to billing at the rates charged by Embarq to CLECs for such service under separate commercial agreements.

50. DEDICATED TRANSPORT

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

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

50.2. Dedicated DS1 transport shall be made available to INTRADO COMM on an unbundled basis as set forth below. Dedicated DS1 transport consists of Embarq interoffice transmission facilities that have a total digital signal speed of 1.544 megabytes per second and are dedicated to a particular End User or carrier.

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

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

50.2.3. Where Embarq is not required to provide unbundled DS1 transport pursuant Sections 50.2.1 and 50.2.2, INTRADO COMM may not obtain new DS1 transport as unbundled Network Elements.

50.2.4. Any DS1 dedicated transport that INTRADO COMM previously leased from Embarq but which Embarq is not obligated to unbundle pursuant to Sections 50.2.1 and 50.2.2, shall be subject to the following:

- (a) Such DS1 dedicated transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert and complete the transition of such DS1 transport to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.
- (b) Any DS1 dedicated transport service provided to INTRADO COMM by Embarq after 03/10/06 that Embarq was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after Embarq was no longer required to unbundle such transport.
- (c) Any DS1 dedicated transport service provided to INTRADO COMM by Embarq between 03/11/05 and 03/10/06 that INTRADO COMM ordered prior to 03/11/05 shall be subject to billing at 115% of the rate that was applicable to such dedicated transport immediately prior to such period.

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

- (a) INTRADO COMM must submit the necessary orders to convert such DS1 Dedicated Transport to an alternative service arrangement within six months of the above notice date. By the end of the six month period, INTRADO COMM must have transitioned the transport to alternative facilities or arrangements.

If INTRADO COMM fails to submit the necessary orders within the six month period, Embarq will convert the DS1 Dedicated Transport to comparable Access Services at applicable rates. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.

50.3. Dedicated DS3 transport shall be made available to INTRADO COMM on an unbundled basis as set forth below. Dedicated DS3 transport consists of Embarq interoffice transmission facilities that have a total digital signal speed of 44.736 megabytes per second and are dedicated to a particular End User or carrier.

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

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

50.3.3. Where Embarq is not required to provide unbundled DS3 transport pursuant to Sections 50.3.1 and 50.3.2, INTRADO COMM may not obtain new DS3 transport as unbundled Network Elements.

50.3.4. Any DS3 dedicated transport UNE that INTRADO COMM previously leased from Embarq as of 03/11/05 but which Embarq is not obligated to unbundle pursuant to Sections 50.3.1 and 50.3.2, shall be subject to the following:

- (a) Such DS3 dedicated transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to convert and complete the transition of such DS3 transport to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement, Embarq will convert the DS3 Dedicated Transport to comparable Access Services. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.
- (b) Any DS3 dedicated transport service provided to INTRADO COMM by Embarq after 03/10/06 that Embarq was no longer required to unbundle shall be subject to billing at applicable rates for comparable access services, provided however, that such access rates shall not apply until ninety (90) Days after Embarq was no longer required to unbundle such transport.

- (c) Any DS3 dedicated transport service provided to INTRADO COMM by Embarq between 03/11/05 and 03/10/06 that INTRADO COMM ordered prior to 03/11/05 shall be subject to billing at 115% of the rate that was applicable to such dedicated transport immediately prior to such period.

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

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

50.4. Technical Requirements for DS1 and DS3 Dedicated Transport

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

- (a) When Embarq provides Dedicated Transport, the entire designated transmission circuit (e.g., DS1, DS3) shall be dedicated to INTRADO COMM designated traffic.
- (b) Where Embarq has technology available, Embarq shall provide Dedicated Transport using currently available technologies including, but not limited to, DS1 and DS3 transport systems, SONET (or SDS) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONEt (or

SDS) point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates.

50.5. Dedicated Dark Fiber Transport

50.5.1. General Rules and Definition

- (a) Dark Fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. Dark Fiber is unactivated fiber optic cable, deployed by Embarq, that has not been activated through connections to optonics that light it, and thereby render it capable of carrying communications.
- (b) Embarq will unbundle Dark Fiber for Dedicated Transport as set forth in this Agreement and as follows:
 - (i) Embarq shall unbundle dark fiber transport between any pair of Embarq Wire Centers except where both Wire Centers defining the route are either Tier 1 or Tier 2 Wire Centers. Embarq will unbundle dark fiber transport if a Wire Center on either end of a requested route is a Tier 3 Wire Center.
 - (ii) Where Embarq is not required to provide unbundled dark fiber transport, INTRADO COMM may not obtain new dark fiber transport as a UNE.
 - (iii) Any Dark Fiber transport that INTRADO COMM previously leased from Embarq, but which Embarq is no longer obligated to unbundle pursuant to Section 50.5 shall be subject to the following:
 - (A) Such Dark Fiber transport must be converted to an alternative service arrangement within thirty (30) Days of the Effective Date of this Agreement. If INTRADO COMM fails to submit the necessary orders to convert such Dark Fiber transport to an alternative arrangement within such thirty (30) Day period, Embarq will have the right to terminate and disconnect the Dark Fiber transport.
 - (B) Any Dark Fiber transport service provided by Embarq to INTRADO COMM between 03/11/05 and 09/05/06 shall be billed at 115% of the rate applicable for such Dark Fiber transport immediately prior to that period, and any Dark Fiber transport service provided by Embarq to INTRADO COMM after 09/05/06 and prior to such conversion or termination shall be billed at applicable rates for comparable access services, based on the capacity of the

electronics deployed in connection with such Dark Fiber transit.

- (c) If Embarq identifies routes in addition to those listed on Exhibit A that exceed the threshold, Embarq will provide INTRADO COMM notice in accordance with the notice provisions of this Agreement and Embarq will also post such information on its website. INTRADO COMM shall not be able to order new Dark Fiber Dedicated Transport for the identified routes after ninety (90) Days have elapsed from the date of the notice, subject to the Dispute Resolution section of this Agreement. If any carrier has disputed a Wire Center designation and the dispute was resolved by the Commission, the Parties will abide by the Commission's decision. Any Dark Fiber Dedicated Transport leased from Embarq within the identified route on the date of the notice shall be available for a six (6) month period from the date of the notice at a rate equal that is 115% of rate INTRADO COMM paid on the date of the notice.
 - (i) INTRADO COMM must submit the necessary orders to convert such dark fiber dedicated transport to an alternative service arrangement within six months of the above notice date. By the end of the six (6) month period, INTRADO COMM must have transitioned the transport to alternative facilities or arrangements. If INTRADO COMM fails to submit the necessary orders, Embarq will convert the Dark Fiber Dedicated Transport to comparable Access Services, if available, or disconnect the Dark Fiber facilities. Embarq will assess the conversion charge and a management fee for the work performed by Embarq on behalf of INTRADO COMM.

50.5.2. Fiber Availability

- (a) Spare fibers in a sheath are not considered available if Embarq has plans to put the fiber in use within the current year or the following year.
- (b) Embarq will also maintain fibers to facilitate maintenance, rearrangements and changes. Embarq will generally reserve eight percent (8%) of fibers in a sheath for maintenance, subject to a minimum of four (4) fibers and a maximum of twelve (12) fibers.
- (c) Dark fiber requests will be handled on a first come, first served basis, based on the date the Dark Fiber Application (DFA) is received.

50.5.3. Interconnection Arrangements

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

50.5.4. Dark Fiber Application and Ordering Procedure

- (a) INTRADO COMM will submit a Dark Fiber Application (DFA) and application fee to request that Embarq determine the availability of Dark Fiber between the INTRADO COMM-specified locations. See Table One for application fee amount.
- (b) Within twenty (20) Business Days of receipt of DFA, Embarq will provide INTRADO COMM with a response regarding fiber availability and price.
 - (i) If Dark Fiber is not available, Embarq will notify INTRADO COMM of the DFA rejection.
 - (ii) INTRADO COMM will follow the Dispute Resolution Process provided in this Agreement if INTRADO COMM wishes to contest the rejection.
- (c) If Dark Fiber is available, INTRADO COMM will notify Embarq of acceptance/rejection of Dark Fiber quote, via a firm order, within ten (10) Business Days of receipt of quote. Embarq will reserve the requested Dark Fiber for the INTRADO COMM during these ten (10) Business Days. If, however, INTRADO COMM does not submit a firm order by the tenth (10th) business day, the fiber will no longer be reserved.
- (d) After ten (10) Business Days of receipt of the price quote, if INTRADO COMM has not accepted, INTRADO COMM must submit another DFA and application fee.

- (e) The INTRADO COMM will submit a firm order for Dark Fiber via an access service request (ASR).
- (f) By submitting the Dark Fiber firm order, the INTRADO COMM agrees to pay quoted monthly recurring and non-recurring charges. See Table One for monthly recurring and non-recurring charges.
- (g) Due Date. Embarq will provision Dark Fiber twenty (20) Business Days after it receives firm order from INTRADO COMM. Billing of the monthly recurring and non-recurring charges will begin upon completion of Dark Fiber order. Embarq will allow INTRADO COMM to extend due date for firm order completion up to sixty (60) Business Days from the date Embarq receives firm order from INTRADO COMM. This extended due date must be specified on the firm order.
- (i) Billing of the monthly recurring and non-recurring charges will begin on the due date of the Dark Fiber order completion unless:
 - (A) INTRADO COMM cancels firm order before the established due date. If this occurs, INTRADO COMM agrees to reimburse Embarq for all costs incurred to date; or
 - (B) a third party submits firm order for same Dark Fiber. If this occurs, INTRADO COMM must begin compensating Embarq for monthly recurring and non-recurring charges in order to reserve fiber, once Embarq is able to provide Dark Fiber to INTRADO COMM.

50.5.5. Maintenance and Testing

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

- (e) Embarq is not responsible for determining whether the transmission characteristics of the Dark Fiber will accommodate the INTRADO COMM requirements.

50.5.6. Rules for Take Back

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

51. COMMINGLING

- 51.1. For the purpose of this Section, wholesale services includes both services INTRADO COMM procures for resale pursuant to 251(c)(4) and exchange access service purchased from Embarq's access Tariffs.
- 51.2. INTRADO COMM may Commingle an unbundled network element or combination of UNEs with wholesale services purchased from Embarq, subject to Section 53.5.3. Upon request, Embarq will perform the work necessary to Commingle such UNE or UNE combinations with wholesale services purchased from Embarq subject to Section **Error! Reference source not found.** INTRADO COMM will compensate Embarq the costs of work performed to Commingle UNEs or UNE combinations with wholesale services. Each component of the commingled facility, either UNE or wholesale service, will be billed at the UNE or wholesale service rate for that component, plus applicable non-recurring charges. Embarq will not ratchet price individual components; that is, Embarq will not reflect a combination of UNE and wholesale rates for the same component. Wholesale service rates will be per the appropriate Tariff, including any applicable resale discounts pursuant to this Agreement.

52. LINE SPLITTING

52.1. Line Splitting

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

52.1.2. Whenever INTRADO COMM purchases the unbundled loop, INTRADO COMM shall control the entire loop spectrum.

52.1.3. Embarq shall institute procedures to allow INTRADO COMM or another carrier to order HFS data capabilities on a UNE loop.

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

53. UNE COMBINATIONS

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

53.2. General Terms and Conditions

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

53.3. The provisioning of combinations, including EEL, is limited to existing facilities and Embarq is not obligated to construct additional facilities to accommodate any request by INTRADO COMM.

53.4. Specific Combinations and Pricing

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

53.5. Embarq Offers the Following Combinations of Network Elements

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

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

(b) Multiplexing shall be provided as necessary as part of Dedicated Transport.

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

- (a) Unbundled DS1 Loop in combination with UNE DS1 Dedicated Transport.
- (b) Unbundled DS1 Loop commingled with dedicated DS1 transport wholesale service.
- (c) Unbundled DS1 Loop in combination with UNE DS3 Dedicated Transport.
- (d) Unbundled DS1 Loop commingled with dedicated DS3 transport wholesale service.

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

53.5.3. EEL Eligibility Criteria

- (a) INTRADO COMM must have state certification to provide local voice service in the area being served or, in the absence of a state certification requirement, INTRADO COMM must have complied with registration, tariffing, filing fee, or other regulatory requirements applicable to the provision of local voice service in the area served;
- (b) The following criteria must be satisfied for each combined circuit, including each DS1 circuit, each DS1 EEL, and each DS1-equivalent circuit on a DS3 EEL:
 - (i) Each circuit to be provided to each INTRADO COMM End User must be assigned one local number prior to the provision of service over the circuit;
 - (ii) Each DS1-equivalent circuit on a DS3 EEL must have its own local number assignment, so that each DS3 has up to twenty-eight (28) local voice numbers assigned to it;
 - (iii) Each circuit to be provided to each End User must provide 911 or E911 capability prior to the provision of service over the circuit;
 - (iv) Each circuit to be provided to each End User must terminate into a collocation that meets one of the following requirements:
 - (A) a collocation established pursuant to §251(c)(6) of the Act and located at Embarq's premises within the same LATA as the INTRADO COMM's End User's premises, when Embarq is not the collocater; or

- (B) a collocation located at a third party's premises within the same LATA as the INTRADO COMM's End User's premises, when Embarq is the collocator.
- (v) For each twenty-four (24) DS1 EELs or other facilities having equivalent capacity, INTRADO COMM must maintain at least one active DS1 local service interconnection trunk and INTRADO COMM is required to transmit the calling party's number in connection with calls exchanged over each trunk. Where INTRADO COMM does not establish an interconnection arrangement with Embarq for the meaningful exchange of Local Traffic that flows in both directions, such interconnection arrangement shall not satisfy this criteria, and
- (vi) Each circuit to be provided to each End User will be served by a switch capable of switching local voice traffic.
- (c) Embarq has the right, upon thirty (30) Days notice, to audit INTRADO COMM's compliance with the service eligibility criteria defined by the FCC and as set forth above. Embarq will hire and pay for an independent auditor to perform the audit. INTRADO COMM will reimburse Embarq if the audit report concludes that INTRADO COMM failed to materially comply with the service eligibility criteria. Embarq may request one audit in a calendar year. In the instance of non-compliance, INTRADO COMM shall true-up any difference in payments, convert the non-compliant circuit to the appropriate service and make accurate payments going forward. These audit rights are in addition to Embarq's audit rights in Part B of this Agreement.

54. MODIFICATIONS TO EMBARQ'S EXISTING NETWORK

54.1. Modifications to Embarq Unbundled Loop

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

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

54.2. Modifications to Embarq Dedicated Transport

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

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

54.3. Embarq Loop Conditioning

54.3.1. Conditioned loops are loops from which excessive bridge taps, load coils, low-pass filters, range extenders, and similar devices have been removed to enable the delivery of high-speed switched wireline telecommunications capability, including DSL. Embarq will condition loops at INTRADO COMM's request and will assess charges for loop conditioning in accordance with the prices listed in Table One. Embarq recommends that INTRADO COMM utilize the Loop Make-Up process in Section **Error! Reference source not found.** prior to submitting orders for loops intended for advanced services.

54.4. Embarq is not obligated to build TDM capability into new packet-based networks or into existing packet-based networks that never had TDM capability. This includes packet-based networks that incorporate a packet to TDM format translation to connect to End User provided equipment.

54.5. Nothing in this Agreement shall limit either Party's ability to modify its network through the incorporation of new equipment, software or facilities. The Parties shall work cooperatively to address any changes that impact the interoperability of their interconnected E911 networks.

PART F – INTERCONNECTION

55. LOCAL INTERCONNECTION TRUNK ARRANGEMENT

55.1. The Parties shall reciprocally terminate Local Traffic, IntraLATA/InterLATA toll calls, and 911 Service and E911 Service calls originating on the other Party's network as follows:

55.1.1. The Parties shall make available to each other two-way trunks for the reciprocal exchange of combined Local Traffic, and non-equal access IntraLATA toll traffic. Neither Party is obligated under this Agreement to order reciprocal trunks or build facilities in the establishment of interconnection arrangements for the delivery of Internet traffic. The Party serving the Internet service provider shall order trunks or facilities from the appropriate tariff of the other Party for such purposes and will be obligated to pay the full cost of such facility.

(a) The Parties agree to use two-way trunks (one-way trunks directionalized in each direction). Upon mutual agreement, the Parties will transition specified trunks from directionalized two-way trunks to bi-directional trunks, subject to any engineering, billing or other constraints, and subject to compensation for the cost of undertaking the conversion of such trunks.

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

55.1.3. Separate trunks shall be utilized for connecting INTRADO COMM's switch to each 911/E911 tandem.

55.2. Direct Interconnection Requirements

55.2.1. Point of Interconnection. INTRADO COMM must establish a minimum of one POI within each LATA, at any technically feasible point, on Embarq's network.

(a) In geographic areas in which Embarq has been designated as the E911 Selective Routing provider, INTRADO COMM will establish a POI at Embarq's E911 Tandem/Selective Router.

(b) To the extent Embarq's network contains multiple tandems in the LATA, INTRADO COMM must establish a POI at each tandem where it wishes to exchange (*i.e.*, receive or terminate) traffic with Embarq.

(c) INTRADO COMM must establish a POI at an Embarq end office when total traffic volumes exchanged between that particular

Embarq end office and INTRADO COMM exceeds a DS1 equivalent.

- (d) INTRADO COMM must establish a POI at any Embarq end office that subtends a non-Embarq tandem.

55.2.2. INTRADO COMM will be responsible for engineering and maintaining its network on its side of the POI. Embarq will be responsible for engineering and maintaining its network on its side of the POI. Each Party is financially responsible for transport on its side of the POI.

55.2.3. Each Party is financially responsible for transporting its originated traffic to the POI.

55.2.4. For non-911 Service traffic, when the Parties choose to interconnect at a mid-span meet, INTRADO COMM and Embarq will jointly provision the facilities that connect the two networks. Embarq will be the "controlling carrier" for purposes of MECOD guidelines, as described in the joint implementation plan. Embarq will provide fifty percent (50%) of the facilities or to its exchange boundary, whichever is less. The construction of new facilities for a mid-span meet is only applicable when traffic is roughly balanced. Notwithstanding any provision in this Agreement to the contrary, when the Parties interconnect using a mid-span meet, each Party will be financially responsible for the facilities on its side of the mid-span meet and will not bill the other Party for any portion of those facilities.

55.2.5. If third party (*i.e.*, Competitive Access Provider or "CAP") leased facilities are used for interconnection, the POI will be defined as the Embarq office in which the third party's leased circuit terminates.

55.2.6. If INTRADO COMM elects to lease any portion of the transport facility from Embarq or if INTRADO COMM chooses to interconnect with Embarq using a meet-point arrangement (*i.e.*, facilities jointly provisioned by Embarq and another LEC), INTRADO COMM will order those facilities that are wholly within Embarq's serving territory from Embarq's access tariff.

55.3. Technical Requirements for Interconnection

55.3.1. Interconnection at the Embarq Tandem

- (a) Interconnection to Embarq Tandem Switch(es) will provide INTRADO COMM Local Interconnection for local service purposes to the Embarq end offices and NXXs which subtend that tandem(s), where local trunking is provided, and access to the toll network.

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Summary: Application of United Telephone Company of Ohio d/b/a Embarq for approval of a negotiated agreement with Intrado Communications, Inc. (Part 1 of 2) electronically filed by Sonya I Summers on behalf of United Telephone Company of Ohio d/b/a Embarq