

Kimberly Caswell
Vice President and General Counsel, Southeast
Legal Department



FLTC0007
201 North Franklin Street (33602)
Post Office Box 110
Tampa, Florida 33601-0110

ORIGINAL

Phone 813 483-2606
Fax 813 204-8870
kimberly.caswell@verizon.com

RECEIVED-FPSC
RECORDS AND REPORTING
DEC - 8 PM 3:01

December 8, 2000

Ms. Blanca S. Bayo, Director
Division of Records & Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

001769-TP

Re: Docket No.
Petition for Approval of Interconnection, Resale, Unbundling and Collocation
Agreement between Verizon Florida Inc. and Interloop, Inc.

Dear Ms. Bayo:

Please find enclosed for filing an original and five copies of Verizon Florida Inc.'s
Petition for Approval of Interconnection, Resale, Unbundling and Collocation
Agreement with Interloop, Inc. The agreement consists of a total of 145 pages.
Service has been made as indicated on the Certificate of Service. If there are any
questions regarding this matter, please contact me at (813) 483-2617.

Very truly yours,

Kimberly Caswell

KC:tas
Enclosures

RECEIVED & FILED

FPSC-BUREAU OF RECORDS

DOCUMENT NUMBER-DATE
15807 DEC-88
FPSC-RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

ORIGINAL

In re: Petition for Approval of Interconnection, Resale, Unbundling and Collocation Agreement between Verizon Florida Inc. and Interloop, Inc.

Docket No. 061769-TP
Filed: December 8, 2000

PETITION FOR APPROVAL OF INTERCONNECTION, RESALE, UNBUNDLING AND COLLOCATION AGREEMENT BETWEEN VERIZON FLORIDA INC. AND INTERLOOP, INC.

Verizon Florida Inc. (Verizon), formerly GTE Florida Incorporated, files this petition before the Florida Public Service Commission seeking approval of the interconnection, resale, unbundling and collocation agreement which Verizon has entered with Interloop, Inc. (Interloop). In support of this petition, Verizon states:

1. The United States Congress passed legislation amending the Communications Act of 1934. This act, referred to as the Telecommunications Act of 1996, requires that any "interconnection agreement adopted by negotiation or arbitration shall be submitted for approval to the State commission." *Telecommunications Act of 1996, §252(e)*.

2. Under the federal act, interconnection/resale agreements can be rejected by the state commission only if the commission finds that the agreement (or any portion thereof) discriminates against a telecommunications carrier not a party to the agreement or if the implementation of that agreement is not consistent with the public interest, convenience and necessity.

3. The agreement with Interloop (attached hereto as Attachment A) does not discriminate against other similarly situated carriers and is also consistent with the public interest, convenience and necessity. As such, Verizon seeks approval of the agreement

DOCUMENT NUMBER-DATE

15807 DEC-88

FPSC-RECORDS/REPORTING

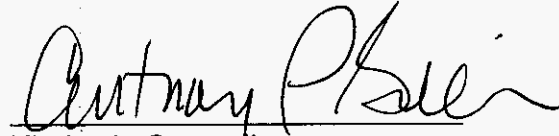
from the Commission, as required under the federal statutory provisions noted above.

WHEREFORE, Verizon respectfully requests that the Commission approve the attached interconnection, resale, unbundling and collocation agreement entered with Interloop and that Verizon be granted all other relief proper under the circumstances.

Respectfully submitted on December 8, 2000.

By:

bc



Kimberly Caswell

P. O. Box 110, FLTC0007

Tampa, Florida 33601-0110

Telephone No. (813) 483-2617

Attorney for Verizon Florida Inc.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of Verizon Florida Inc.'s Petition For Approval of Interconnection, Resale, Unbundling and Collocation Agreement with Interloop, Inc. was sent via overnight delivery on December 7, 2000 to:

Staff Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Interloop, Inc.
Attention: Ariel Musibay
2514 Hollywood Boulevard, Second Floor
Hollywood, FL 33020

Kimberly Caswell
Be Kimberly Caswell

251/252 AGREEMENT

BETWEEN

VERIZON FLORIDA INC. F/K/A GTE FLORIDA INCORPORATED

AND

INTERLOOP, INC.

FOR THE STATE OF FLORIDA

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251/252 AGREEMENT

This 251/252 Agreement (the "Agreement") is effective upon filing with the Commission ("Effective Date"). The Agreement is by and between Verizon Florida Inc. f/k/a GTE Florida Incorporated, with its address for purposes of this Agreement at 600 Hidden Ridge Drive, Irving, Texas 75038 ("Verizon") and Interloop, Inc., in its capacity as a certified provider of local wireline telecommunication services ("Interloop"), with its address for this Agreement at 2514 Hollywood Blvd., Second Floor, Hollywood, Florida 33020 (Verizon and Interloop being referred to collectively as the "Parties" and individually as a "Party"). This Agreement covers services in the State of Florida only (the "State").

RECITALS

WHEREAS, Section 251 of the Telecommunications Act of 1996 (the "Act") imposes specific obligations upon Verizon to negotiate in good faith in accordance with Section 252 of the Act, an agreement embodying the terms and conditions of the provision of certain telecommunications services and facilities to Interloop and other terms and conditions that are legitimately related to, and constituting a part of, said arrangements; and

WHEREAS, pursuant to Section 252(a) of the Act, Interloop issued a written request to Verizon to enter into said negotiations; and

WHEREAS, the Parties completed good faith negotiations that led to the services and facilities arrangements, including all legitimately related terms and conditions, described herein.

NOW, THEREFORE, in consideration of the mutual provisions contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and without waiving any reservation of rights set forth herein, Verizon and Interloop hereby covenant and agree as follows.

**ARTICLE I
SERVICES AND FACILITIES**

1. Definitions.

Except as otherwise specified herein, the definitions set forth in the Glossary that is attached hereto as Appendix A to Articles I and II shall apply to this Agreement. Additional definitions that are specific to the matters covered in a particular provision may appear in that provision. To the extent that there may be any conflict between a definition set forth on Appendix A and any definition in a specific provision, the definition set forth in the specific provision shall control with respect to that provision and the Article or Attachment in which such provision shall be included.

2. Service and Facility Arrangements.

2.1 Standard Alternatives.

Verizon shall provide to Interloop the services and/or facilities below pursuant to the designated service attachment (check all that apply):

<input checked="" type="checkbox"/>	Interconnection Attachment
<input checked="" type="checkbox"/>	Resale Attachment
<input checked="" type="checkbox"/>	UNE Attachment
<input checked="" type="checkbox"/>	Collocation Attachment

This Agreement consists of the designated services and/or facilities Attachment(s), and with respect to each such Attachment, all terms and conditions set forth in Articles I and II. The terms and conditions in a given Attachment together with all such Article I and II terms and conditions are integrally and legitimately related, and shall govern the provision of the designated services and/or facilities by Verizon to Interloop.

2.2 Poles, Ducts, Conduits and Rights-of-Way.

To the extent required by the Act, Verizon and Interloop shall each afford to the other access to the poles, ducts, conduits and ROWs it owns or controls on terms, conditions and prices comparable to those offered to any other entity pursuant to each Party's tariffs and/or standard agreements. Accordingly, if Verizon and Interloop desire access to the other Party's poles, ducts, or ROWs, Verizon and Interloop shall adhere to the terms and conditions of the other Party's applicable tariffs and/or execute separate agreements. Interloop agrees that pole attachment and conduit occupancy agreements must be executed separately before it makes any attachments to Verizon facilities or uses Verizon's conduit. Should Interloop attempt to make any such attachments to Verizon's facilities or to use Verizon's conduit without first entering into such separate agreements, as applicable, then such actions shall constitute a breach of this agreement.

2.3 Directory Listings and Directory Distribution.

2.3.1 Separate Agreement. Except as set forth below, Interloop will be required to negotiate a separate agreement for directory listings and directory distribution, with Verizon's directory publication company.

2.3.2 Supply of Listing Information. Interloop agrees to supply Verizon on a regularly scheduled basis, at no charge, and in a mutually agreed upon format (e.g. ordering and billing forum developed), all listing information for Interloop's subscribers who wish to be listed in any Verizon published directory for the relevant operating area. Listing information will consist of names, addresses

(including city, state and zip code) and telephone numbers. Nothing in this Agreement shall require Verizon to publish a directory where it would not otherwise do so. Listing inclusion in a given directory will be in accordance with Verizon's solely determined directory configuration, scope, and schedules, and listings will be treated in the same manner as Verizon's listings.

2.3.3 Distribution. Upon directory publication, Verizon will arrange for the initial and secondary distribution of the directory to Interloop Customers in the directory coverage area at no charge. Interloop will supply Verizon in a timely manner with all required Customer mailing information including non-listed and non-published Customer mailing information, to enable Verizon to perform its distribution responsibilities.

2.4 Directory Assistance (DA) Listing Information.

2.4.1 Definition. DA listing information includes the listed names, addresses and telephone numbers of Verizon and authorized LEC Customers, except as otherwise provided herein. DA listing information provided shall indicate whether the Customer is a residence or business Customer. Excluded are listings for restricted LEC lines and non-published listings. Verizon DA listing information includes 800/888 listings, non-listed numbers and foreign listings within the Verizon franchise.

2.4.2 Availability. Verizon will make available to Interloop, at Interloop's request, Verizon end-user and authorized LEC DA listing information stored in Verizon's DA database for the purposes of Interloop providing DA service to its Customers. Verizon shall provide to Interloop, at Interloop's request, DA listing information within sixty (60) Business Days after an order is received for a specific state. The DA listing information will be provided in Verizon format via magnetic tape or National Data Mover (NDM) as specified by Interloop. Updates to the DA listing information shall be provided on a daily basis through the same means used to transmit the initial load. Interloop agrees to pay Verizon's standard charges for the initial load and daily updates of Verizon's DA listing information, which will be provided upon request. The Parties will work together to identify and develop procedures for database error corrections.

2.4.3 Confidential Information. Such listings shall be confidential information pursuant to Article II, Section 4 and Interloop will use the listings only for its DA services to its Customers. Interloop is not authorized to release Verizon's DA listing information to any third party or to provide DA to any other party using Verizon DA listing information, including Interloop's Affiliates, subsidiaries or partners, except with the express written permission of Verizon. In those instances where Interloop's affiliates, subsidiaries or partners also desire to use Verizon's DA listing information, each affiliate, subsidiary or partner must negotiate a separate contract with Verizon to obtain the listings. If Interloop uses a third-party DA service for its Customers, Interloop will ensure that such third party likewise treats the listings as confidential information pursuant to Article II, Section 4, and uses them only for Interloop end-user DA. Verizon will include Interloop's DA listing information in Verizon's DA data base which may be released to third parties which request Verizon's DA listing information, unless Interloop provides Verizon written notice within sixty (60) Business Days after the effective date of this Agreement that its DA listing information is restricted and should not be released to third parties. In the event that Interloop does properly notify Verizon that its DA listing information is restricted, Verizon will so advise third parties requesting such information.

2.5 Dialing Format Changes.

Verizon will provide reasonable notification to Interloop of changes to local dialing format (i.e. 7-10 digit, by end office).

2.6 E911/911.

Except as provided herein, Interloop will be required to negotiate a separate agreement or order separately pursuant to applicable Verizon Tariffs.

2.7 Network Element Bona Fide Request (BFR).

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

2.7.1 A Network Element Bona Fide Request shall be submitted in writing and shall include a technical description of each requested Network Element.

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

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

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

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

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

2.7.7 As soon as feasible, but not more than ninety (90) days after its receipt of authorization to proceed with developing the Network Element Bona Fide Request, the receiving Party shall provide to the requesting Party a Network Element Bona Fide Request quote which will include, at a minimum, a description of each Network Element, the availability, the applicable rates and the installation intervals.

- 2.7.8 Within thirty (30) days of its receipt of the Network Element Bona Fide Request quote, the requesting Party must either confirm its order for the Network Element Bona Fide Request pursuant to the Network Element Bona Fide Request quote or seek arbitration by the Commission pursuant to Section 252 of the Act.
- 2.7.9 If a Party to a Network Element Bona Fide Request believes that the other Party is not requesting, negotiating or processing the Network Element Bona Fide Request in good faith, or disputes a determination, or price or cost quote, or is failing to act in accordance with Section 251 of the Act, such Party may seek mediation or arbitration by the Commission pursuant to Section 252 of the Act.

3. Operations and Administrative Matters.

3.1 CLEC Profile.

Before orders can be taken, Interloop must complete and return an accurate CLEC Profile, and if required, pay an advance deposit. Interloop will provide Verizon with its Operating Company Number (OCN), Company Code (CC), and Customer Carrier Name Abbreviation (CCNA) as described in the GTE Guide located on Verizon's WISE website at URL: <http://www.gte.com/wise>. Interloop hereby represents and warrants to Verizon that it is a certified provider of telecommunications service or shall obtain that certification prior to placing any orders under this Agreement. Interloop will document its Certificate of Operating Authority on the CLEC Profile and agrees to update this CLEC Profile as required to reflect its current certification.

3.2 GTE Guide.

The GTE Guide is an Internet web site that contains Verizon's operating practices and procedures; general information for pre-ordering, ordering, provisioning, repair and billing for resold services and unbundled network elements; and guidelines for obtaining interconnection with Verizon's switched network. The Guide is intended to provide general guidelines and operational and administrative assistance to CLECs seeking to order services and facilities pursuant to this Agreement. Such guidelines and operating practices and procedures must be flexible to accommodate changes in the dynamic telecommunications industry, changes to promote increased effectiveness and efficiency, etc. Therefore, Verizon reserves the right, upon prior advanced notice to Interloop, to make changes to the Guide. In reserving its right to make changes to the Guide, it is not Verizon's intention to discriminate against Interloop's rights under this Agreement. If, in Interloop's opinion, a particular change to the Guide materially and adversely discriminates against Interloop's existing rights under this Agreement, Interloop may so notify Verizon. If the Parties cannot resolve Interloop's concerns within a reasonable amount of time, Interloop may invoke the Dispute Resolution provisions in Article II, Section 3 to resolve the matter.

3.3 Contact Exchange.

The Parties agree to exchange and to update contact and referral numbers for order inquiry, trouble reporting, billing inquiries, and information required to comply with law enforcement and other security agencies of the government.

3.4 Capacity Planning and Forecasting.

Within thirty (30) calendar days from the Effective Date, the Parties agree to have met and developed joint planning and forecasting responsibilities which are applicable to the service and facilities Attachments described above in Section 2. Verizon may delay

processing Interloop service orders should Interloop not perform its obligations as specified in this Section 3.4. Such responsibilities shall include but are not limited to the following:

- 3.4.1 The Parties will establish periodic reviews of network and technology plans and will notify one another no later than six (6) months in advance of changes that would impact either Party's provision of services.
- 3.4.2 Interloop will furnish to Verizon information that provides for state-wide annual forecasts of order activity, in-service quantity forecasts, and facility/demand forecasts.
- 3.4.3 If this Agreement includes an Interconnection Attachment, the Parties will develop joint forecasting responsibilities for traffic utilization over trunk groups and yearly forecasted trunk quantities as set forth in that Attachment.
- 3.4.4 Interloop shall notify Verizon promptly of changes greater than ten percent (10%) to current forecasts (increase or decrease) that generate a shift in the demand curve for the following forecasting period.

The Parties' compliance with the requirements of this provision shall not constitute a waiver of any rights or obligation either Party may have under Applicable Law relative to the offering and provisioning of services and facilities.

3.5 Electronic Interfaces.

The Parties shall work cooperatively in the implementation of electronic gateway access to Verizon Operational Support Systems (OSS) functions in the long-term in accordance with established industry standards. Interloop should refer to the GTE Guide for the current OSS capabilities. The Parties agree that the Change Management Process (CMP) as defined on Verizon's WISE website at URL: <http://www.gte.com/wise>, shall govern any change management principles applicable to changes in the OSS interfaces. Interloop may submit a written request to Verizon if Interloop desires new or modified electronic interfaces exclusively to meet Interloop's requirements. If such requested electronic interfaces are different from what is Currently Available, Verizon may agree, at its sole discretion, to provide such electronic interfaces; provided, however, all costs and expenses associated with the new or modified electronic interfaces shall be paid by Interloop. Interloop shall be responsible for modifying and connecting any of its pre-ordering and ordering systems with Verizon provided interfaces as described in the GTE Guide.

3.6 OSS Performance Measures.

- 3.6.1 General. The Parties will provide a level of service to each other with respect to services and facilities under this Agreement in compliance with the non-discrimination requirements of the Act. Performance measures detail the areas of performance to be tracked, reported and audited to evaluate quality of service. The performance measures and related data will be posted monthly on Verizon's WISE website at URL: <http://www.gte.com/wise>.
- 3.6.2 Changes. Performance measures to measure quality of service are provisional and subject to continued evolution as driven by the industry and state commissions. When developed and implemented on Verizon's WISE website, new or modified performance measures shall be made available to Interloop and

shall automatically modify and/or replace the existing performance measures Verizon currently makes available to all CLECs.

- 3.6.3 **Description.** Verizon's performance measures are made available on a nationwide basis to all qualifying CLECs. Such performance measures provide for standards to measure the quality of services and facilities offered by Verizon within the following major categories:
- 3.6.3.1 **Pre-ordering.** Pre-ordering activities relate to the exchange of information between Verizon and Interloop regarding current or proposed Customer products and services, or any other information required to initiate ordering of service. Pre-ordering encompasses the critical information needed to submit a provisioning order from Interloop to Verizon. The pre-order measurement reports the timeliness with which pre-order inquiries are returned to Interloop by Verizon.
- 3.6.3.2 **Ordering.** Ordering activities include the exchange of information between Verizon and Interloop regarding requests for service. Ordering includes: (1) the submittal of the service request from Interloop, (2) rejection of any service request with errors and (3) confirmation that a valid service request has been received and a due date for the request assigned. Ordering performance measurements report on the timeliness with which these various activities are completed by Verizon. Also captured within this category is reporting on the number of Interloop service requests that automatically generate a service order in Verizon's service order creation system.
- 3.6.3.3 **Provisioning.** Provisioning is the set of activities required to install, change or disconnect a Customer's service. It includes the functions to establish or condition physical facilities as well as the completion of any required software translations to define the feature functionality of the service. Provisioning also involves communication between Interloop and Verizon on the status of a service order, including any delay in meeting the commitment date and the time at which actual completion of service installation has occurred. Measurements in this category evaluate the quality of service installations, the efficiency of the installation process and the timeliness of notifications to Interloop that installation is completed or has been delayed.
- 3.6.3.4 **Maintenance.** Maintenance involves the repair and restoration of Customer service. Maintenance functions include the exchange of information between Verizon and Interloop related to service repair requests, the processing of trouble ticket requests by Verizon, actual service restoration and tracking of maintenance history. Maintenance measures track the timeliness with which trouble requests are handled by Verizon and the effectiveness and quality of the service restoration process.
- 3.6.3.5 **Network Performance.** Network performance involves the level at which Verizon provides services and facilitates call processing within its network. Verizon also has the responsibility to complete network upgrades efficiently. If network outages do occur, Verizon needs to provide notification so appropriate network management and Customer notification can occur by Interloop. Network performance is evaluated on the quality of interconnection, the timeliness of notification of network

outages and the timeliness of network upgrades (code openings) Verizon completes on behalf of Interloop.

3.6.3.6 Billing. Billing involves the exchange of information necessary for Interloop to bill its Customers, to process the end-user's claims and adjustments, to verify Verizon's bill for services provided to Interloop and to allow Interloop to bill for access. Billing measures have been designed to gauge the quality, timeliness and overall effectiveness of Verizon billing processes associated with Interloop Customers.

3.6.3.7 Collocation. Verizon is required to provide to CLECs available space as required by law to allow the installation of CLEC equipment. Performance measures in this category assess the timeliness with which Verizon handles Interloop's request for collocation as well as how timely the collocation arrangement is provided.

3.6.3.8 Database updates. Database updates for directory assistance/listings and E911 include the processes by which these systems are updated with Customer information which has changed due to the service provisioning activity. Measurements in this category are designed to evaluate the timeliness and accuracy with which changes to Customer information, as submitted to these databases, are completed by Verizon.

3.6.3.9 Interfaces. Verizon provides Interloop with choices for access to OSS pre-ordering, ordering, maintenance and repair systems. Availability of the interfaces is fundamental to Interloop being able to effectively do business with Verizon. Additionally, in many instances, Interloop personnel must work with the service personnel of Verizon. Measurements in this category assess the availability to Interloop of systems and personnel at Verizon work centers.

3.7 Law Enforcement Interface.

Except to the extent not available in connection with Verizon's operation of its own business, Verizon shall provide seven day a week/twenty-four hour a day assistance to law enforcement agencies for installation and information retrieval pertaining to traps, traces, court orders and subpoenas. Verizon reserves the right to charge for this service.

3.8 Customer Contacts.

Except as otherwise provided in this Agreement or as agreed to in a separate notification signed by Interloop, Interloop shall provide the exclusive interface with Interloop's customers in connection with the marketing or offering of Interloop services. Except as otherwise provided in this Agreement, in those instances in which Verizon personnel are required pursuant to this Agreement to (1) interface on behalf of Interloop directly with Interloop's current customers, or (2) interface directly with "pending" Interloop customers for the purpose of effectuating a Interloop order for change of service, such personnel shall not identify themselves as representing Verizon. For purposes of this section, a "pending" Interloop customer means any Verizon customer for whom Interloop has submitted a valid change in service order, but for whom the change in service has yet to be completed. In both such instances, all forms, business cards or other business materials furnished by Verizon to Interloop's current or pending customers shall be generic in nature. In no event shall Verizon personnel acting on behalf of Interloop pursuant to this Agreement provide information to Interloop customers about Verizon products or services unless otherwise authorized by Interloop.

Nothing in this Section 3.8 shall preclude Verizon from contacting Interloop's current or pending customers in the normal course of Verizon's marketing and sales activities; provided, however, that those Verizon wholesale market personnel responsible for processing requests for customer service records, change in service orders, or other requests by Interloop shall not share any CPNI with Verizon's retail sales and marketing personnel in violation of the law or, to the extent required under applicable law, without Interloop's consent.

3.9 Standard Practices.

The Parties acknowledge that Verizon has already implemented, and shall be establishing or adopting, some industry standard practices and/or its own standard practices, that are not otherwise specified in this Agreement, to implement the various requirements of its obligations hereunder. Such standard practices are defined as practices that are generally applicable to the CLEC industry as a whole and are not specific to Interloop. Such practices will be administered on a nondiscriminatory basis. Interloop agrees that Verizon may implement such industry standard practices to satisfy any Verizon obligations under this Agreement.

4. Financial Matters.

4.1 Rates.

4.1.1 Rate Lists. Except as otherwise provided herein, the rate and charge list for a given facility or service ordered hereunder shall be set forth as an Appendix to the facility or service Attachment.

4.1.2 Rate Changes. The rates and charges set forth in the applicable Appendices to this Agreement are permanent and are not subject to change or modification, except as otherwise expressly provided in this Agreement or to the extent that the Eighth Circuit Court of Appeals or any other court or commission of competent jurisdiction overturns, invalidates, stays, vacates or otherwise modifies the total element long run incremental cost (TELRIC) or other methodology from which such rates and charges were derived. In the event the Eighth Circuit or any other Court or Commission of competent jurisdiction overturns, invalidates, stays, vacates or otherwise modifies such methodology, such decision, order or ruling shall apply retroactively to the Effective Date of this Agreement. The Parties further agree that they, in good faith, shall negotiate replacement rates and charges ("new rates") within ninety (90) calendar days of the date upon which such decision, order or ruling is issued, and shall use the new rates to true-up the rates and charges herein from the Effective Date of this Agreement.

The Parties acknowledge that the provisions of this Section 4.1.2 shall survive the termination, rescission, modification or expiration of this Agreement without limit as to time, and that in the event that the Eighth Circuit Court of Appeals or any other court or commission of competent jurisdiction issues an order or decision as contemplated in this Section 4.1.2 after this Agreement terminates or expires, either Party may require a true-up of the affected rates or charges based on that order or decision retroactive to the Effective Date of this Agreement. Each Party acknowledges that the other Party may seek to enforce the provisions in this Section 4.1.2 before a commission or court of competent jurisdiction.

4.1.3 TBD Prices. "To Be Determined" (TBD) rates or charges may be designated for Limited Offerings (in Verizon's discretion as described in Article I, Section 4.1.4) or for other services or facilities arrangements for which the Parties have not been able to establish a price as of the Effective Date. With respect to all TBD rates or charges, prior to Interloop ordering any such TBD item, the Parties shall meet and confer to establish a price. If the Parties are unable to reach agreement on a price for such item, a price shall be set for such item that is equal to the price for the nearest analogous item for which a price has been established (for example, if there is not an established price for a Non-Recurring Charge (NRC) for a specific UNE, the Parties would use the NRC for the most analogous service for which there is an established price. Verizon shall have the right for any such TBD price to designate such price as subject to change following Verizon's completion of the development of a replacement interim price. When Verizon finishes developing such replacement price, Verizon shall notify Interloop in writing of such price in accordance with, and subject to, the notices provision of Article II, Section 5.11. Any TBD rates or charges established pursuant to this provision shall be subject to change and true-up retroactive to the Effective Date of this Agreement in accordance with the requirements of Section 4.1.2. The Dispute Resolution procedures described in Article II, Section 3 herein may be invoked by either Party to resolve any dispute regarding the implementation of rates or charges pursuant to this Section.

4.2 Cost Recovery.

Verizon shall be entitled to recover all costs it incurs in meeting its obligations under this Agreement. If Verizon is required to make expenditures or otherwise incur costs that are not otherwise specifically reimbursed under this Agreement, Verizon is entitled to reimbursement from Interloop for all such expenditures and costs. For all such expenditures and costs, Verizon shall receive through NRCs the actual costs and expenses incurred, including labor costs and expenses, overhead and fixed charges, and a reasonable contribution to Verizon's common costs. Verizon will provide, at Interloop's request, the explanation of the costs and expenses incurred. If a dispute arises from this process, either Party may use the Dispute Resolution provision described in Article II, Section 3 of this Agreement to resolve the dispute.

4.3 Billing and Payment.

4.3.1 General. Payment for all facilities and services provided hereunder is due thirty (30) calendar days from the bill date. Neither Party will bill the other Party for previously unbilled charges incurred more than one (1) year prior to the current billing date. If any undisputed amount due on the billing statement is not received by the billing Party on the payment due date, the billing Party shall calculate and assess, and the billed Party agrees to pay, at the billing Party's option, a charge on the past due balance at an interest rate equal to the amount allowed by the applicable state access tariffs, the state retail tariff, or federal tariff, in accordance with the service ordered, or the maximum nonusurious rate of interest under applicable law. Late payment charges shall be included on the next statement.

4.3.2 Security. Upon request by Verizon, Interloop shall, at any time and from time to time, provide Verizon adequate assurance of payment of amounts due (or to become due) to Verizon hereunder. Assurance of payment of charges may be requested by Verizon if Interloop (a) in Verizon's reasonable judgement, at the Effective Date or at any time thereafter, is unable to demonstrate that it is creditworthy, (b) fails to timely pay a bill rendered to Interloop by Verizon, (c) in Verizon's reasonable judgement, at the Effective Date or at any time thereafter,

does not have established credit with Verizon or (d) admits its inability to pay its debts as such debts become due, has commenced a voluntary case (or has had a case commenced against it) under the U.S. Bankruptcy Code or any other law relating to bankruptcy, insolvency, reorganization, winding-up, composition or adjustment of debts or the like, has made an assignment for the benefit of creditors or is subject to a receivership or similar proceeding. Unless otherwise agreed by the Parties, the assurance of payment shall, at Verizon's request, consist of (i) a cash security deposit in U.S. dollars held in an account by Verizon or (ii) an unconditional, irrevocable standby letter of credit naming Verizon as the beneficiary thereof and that is otherwise in form and substance satisfactory to Verizon from a financial institution acceptable to Verizon, in either case in an amount equal to two (2) months anticipated charges (including, without limitation, both recurring and non-recurring charges), as reasonably determined by Verizon, for the services, facilities or arrangements to be provided by Verizon to Interloop in connection with this Agreement. To the extent that Verizon opts for a cash deposit, the Parties intend that the provision of such deposit shall constitute the grant of a security interest pursuant to Article 9 of the Uniform Commercial Code as in effect in any relevant jurisdiction. If required by an applicable Verizon Tariff or by Applicable Law, interest will be paid on any such deposit held by Verizon at the higher of the stated interest rate in such Tariff or in the provisions of the Applicable Law. Verizon may (but is not obligated to) draw on the letter of credit or funds on deposit in the account, as applicable, upon notice to Interloop in respect of any amounts billed hereunder that are not paid within thirty (30) calendar days of the date of the applicable statement of charges prepared by Verizon. The fact that a security deposit or a letter of credit is requested by Verizon hereunder shall in no way relieve Interloop from compliance with Verizon's regulations as to advance payments and payment for service, nor constitute a waiver or modification of the terms herein pertaining to the discontinuance of service for nonpayment of any sums due to Verizon for the services, facilities or arrangements rendered.

- 4.3.3 **Billing Disputes.** If the billed Party disputes a billing statement issued by the billing Party, the billed Party (the "Non-Paying Party") shall notify the billing Party in writing regarding the specific nature and basis of the dispute within six (6) months of the statement date or the dispute shall be waived. The Non-Paying Party shall pay when due all undisputed amounts to the Billing Party as specified in Section 4.3.1. The Parties shall diligently work toward resolution of all billing issues. If a dispute arises from this process, either Party may invoke the Dispute Resolution provision described in Article II, Section 3 of this Agreement to resolve the dispute.
- 4.3.4 **Information Requirements/Audits.** Except as provided elsewhere in this Agreement and where applicable, in conformance with Multiple Exchange Carrier Access Billing (MECAB) guidelines and Multiple Exchange Carriers Ordering and Design Guidelines for Access Services-Industry Support Interface (MECOD), Interloop and Verizon agree to exchange all information to accurately, reliably, and properly order and bill for features, functions and services rendered under this Agreement. Either Party may conduct an audit of the other Party's books and records pertaining to the Services provided under this Agreement, no more frequently than once per twelve (12) month period, to evaluate the other Party's accuracy of billing, data and invoicing in accordance with this Agreement. Any audit shall be performed as follows: (i) following at least thirty (30) Business Days' prior written notice to the audited Party; (ii) subject to the reasonable scheduling requirements and limitations of the audited Party; (iii) at the auditing Party's sole cost and expense; (iv) of a reasonable scope and duration; (v) in a

manner so as not to interfere with the audited Party's business operations; and (vi) in compliance with the audited Party's security rules.

4.3.5 Impact of Payment of Charges on Service. Interloop is solely responsible for the payment of all charges for all services and facilities furnished under this Agreement, including, but not limited to, calls originated or accepted at its or its Customers' service locations. If Interloop fails to pay when due any and all charges billed to Interloop under this Agreement, including any late payment charges (collectively, "unpaid charges"), and any or all such charges remain unpaid more than forty-five (45) calendar days after the bill date of such unpaid charges excepting previously disputed charges for which Interloop may withhold payment, Verizon shall notify Interloop in writing that it must pay all unpaid charges to Verizon. If Interloop disputes the billed charges, it shall, within seven (7) Business Days, inform Verizon in writing of which portion of the unpaid charges it disputes, including the specific details and reasons for the dispute, unless such reasons have been previously provided, and shall immediately pay to Verizon all undisputed charges. If Interloop and Verizon are unable, within thirty (30) Business Days thereafter, to resolve issues related to the disputed charges, then either Interloop or Verizon may file a request for arbitration under General Provisions of this Agreement to resolve those issues. Upon resolution of any dispute hereunder, if Interloop owes payment it shall make such payment to Verizon with any late payment charge from the original payment due date. If Interloop owes no payment, but has previously paid Verizon such disputed payment, then Verizon shall credit such payment including any late payment charges. Verizon may discontinue service to Interloop upon failure to pay undisputed charges as provided in this Section and shall have no liability to Interloop or Interloop's Customers in the event of such disconnection. If Interloop fails to provide such notification or any of Interloop's Customers fail to select a new provider of services within the applicable time period, Verizon may provide local exchange services to Interloop's Customers under Verizon's applicable Customer tariff at the then current charges for the services being provided. In this circumstance, otherwise applicable service establishment charges will not apply to Interloop's Customer, but will be assessed to Interloop.

4.4 Taxes.

- 4.4.1 With respect to any purchase of service under this Agreement, if any federal, state or local government tax, fee, surcharge, or other tax-like charge excluding any tax levied on property or income (a "Tax") is required or permitted by applicable law, ordinance or tariff to be collected from a purchasing Party by the providing Party, then (i) the providing Party will bill, as a separately stated item, the purchasing Party for such Tax, (ii) pursuant to Section 4.3.1, the purchasing Party will remit such Tax to the providing Party, and (iii) the providing Party will remit such collected Tax to the applicable governmental authority as required by law.
- 4.4.2 If the providing Party does not collect a Tax because the purchasing Party asserts that it is no responsible for the Tax, or is otherwise excepted from the obligation which is later determined by formal action to be wrong then, as between the providing Party and the purchasing Party, the purchasing Party will be liable for such uncollected Tax and any interest due and/or penalty assessed on the uncollected Tax by the applicable taxing authority or governmental entity.
- 4.4.3 If either Party is audited by a taxing authority or other governmental entity the other Party agrees to reasonably cooperate with the Party being audited in order

to respond to any audit inquiries in a proper and timely manner so that the audit and/or any resulting controversy may be resolved expeditiously.

- 4.4.4 If applicable law does exclude or exempt a purchase of services under this Agreement from a Tax, and if such applicable law also provides an exemption procedure, such as an exemption certificate requirement, then, if the purchasing Party complies with such procedure, the providing Party, subject to Section 4.4.2, will not bill or collect such Tax during the effective period of the exemption. Such exemption will be effective upon receipt of the exemption certificate or affidavit in accordance with Section 4.4.7.
- 4.4.5 If applicable law does not exclude or exempt a purchase of services under this Agreement from a Tax, and does not also provide an exemption procedure, then the providing Party will not bill or collect such tax if the purchasing Party (i) furnishes the providing Party with a letter signed by an officer of the purchasing Party claiming an exemption and identifying the applicable law which allows such exemption, and (ii) supplies the providing Party with an indemnification agreement, reasonably acceptable to the providing Party, which holds the providing Party harmless on an after-tax basis with respect to forbearing to collect such Tax.
- 4.4.6 With respect to any Tax or Tax controversy covered by this Section 4.4, the purchasing Party will be entitled to contest, pursuant to applicable law, and at its own expense, any Tax that it is ultimately obligated to pay. The purchasing Party will be entitled to the benefit of any refund or recovery resulting from such a contest.
- 4.4.7 All exemption certificates or other communications required or permitted to be given by Interloop to Verizon under this Section 4.4, will be made in writing and will be delivered to Verizon's Account Manager for Interloop.

5. Term and Termination.

5.1 Effective Date.

This Agreement will be effective upon the Effective Date set forth at the beginning of this 251/252 Agreement. Subject to the Parties reservation of rights described in Article II, Section 1.4, any modifications to this Agreement required as a result of the Commission review and approval process will be deemed to be effective as of the Effective Date. The Parties agree LSR orders for resold services, INP services, and unbundled network elements will not be submitted or accepted within the first ten (10) Business Days after the Effective Date and thirteen (13) Business Days after Verizon receives a complete and accurate CLEC Profile as described in Section 3.1. The CLEC Profile may be submitted to Verizon prior to execution or filing of this Agreement. In addition, notwithstanding the possible rejection or modification of this Agreement by the Commission, the Parties agree that all of their obligations and duties hereunder shall remain in full force and effect pending the final disposition of the Commission review and approval process.

5.2 Term.

Subject to the termination provisions contained in this Agreement, the term of this Agreement shall be from the Effective Date of this Agreement until September 30, 2002 ("Termination Date").

5.3 Renegotiation.

If either Party seeks to renegotiate, extend or amend this Agreement, it must provide written notice thereof to the other Party no later than nine (9) months prior to the Termination Date. Any such request shall be deemed by both Parties to be a good faith request for negotiations pursuant to Section 252 of the Act (or any successor provision), regardless of which Party made such request. If either Party makes such request, this Agreement may remain in effect for a period not to exceed three (3) months following the Termination Date, for the purpose of incorporating into the new agreement any arbitration decision or related order issued within three (3) months prior to the end of such nine (9) month period.

5.4 Termination Upon Default or Abandonment.

Either Party may terminate this Agreement prior to the Termination Date in whole or in part in the event of a default by the other Party; provided however, that the non-defaulting Party notifies the defaulting Party in writing of the alleged default and that the defaulting Party does not cure the alleged default within sixty (60) calendar days of receipt of written notice thereof. Default is defined to include:

5.4.1 A Party's insolvency or the initiation of bankruptcy or receivership proceedings by or against the Party; or

5.4.2 A Party's refusal or failure in any material respect to perform its obligations under this Agreement, or the violation of any of the material terms or conditions of this Agreement.

5.5 Termination Upon Sale.

Notwithstanding anything to the contrary contained in this Agreement, a Party may terminate this Agreement as to a specific operating area or portion thereof if such Party sells or otherwise transfers the area or portion thereof. The selling or transferring Party shall provide the other Party with at least ninety (90) calendar days' prior written notice of such termination, which shall be effective on the date specified in the notice. Notwithstanding termination of this Agreement as to a specific operating area, this Agreement shall remain in full force and effect in the remaining operating areas.

5.6 Liability Upon Termination.

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.

**ARTICLE II
GENERAL PROVISIONS**

1. Regulatory/Legal Matters.

1.1 Regulatory Approvals.

This Agreement will be submitted to the Commission for approval. Each Party shall be responsible for obtaining and keeping in effect all FCC, Commission, franchise authority and other regulatory approvals that may be required in connection with the performance of its obligations under this Agreement. If either Party does not provide necessary filing materials within sixty (60) days of execution of this Agreement, any contract signatures will no longer be effective.

1.2 Applicable Law/Changes in Law.

Each Party shall comply with all federal, state, and local statutes, regulations, rules, ordinances, judicial decisions, and administrative rulings applicable to its performance under this Agreement. The terms and conditions of this Agreement were composed in order to effectuate the legal requirements in effect at the time this Agreement was produced, and shall be subject to any and all applicable statutes, regulations, rules, ordinances, judicial decisions, and administrative rulings that subsequently may be prescribed by any federal, state or local governmental authority having appropriate jurisdiction. Except as otherwise expressly provided herein, such subsequently prescribed statutes, regulations, rules, ordinances, judicial decisions, and administrative rulings will be deemed to automatically supersede any conflicting terms and conditions of this Agreement. In addition, subject to the requirements and limitations set forth in Section 1.3, to the extent required or reasonably necessary, the Parties shall modify, in writing, the affected term(s) and condition(s) of this Agreement to bring them into compliance with such statute, regulation, rule, ordinance, judicial decision or administrative ruling.

1.3 Severability/Unenforceable Terms.

If any provision of this Agreement is held by a court or regulatory agency of competent jurisdiction to be unenforceable, the rest of the Agreement shall remain in full force and effect and shall not be affected unless removal of that provision results, in the reasonable opinion of either Party, in a material change to this Agreement. If a material change occurs as a result of action by a court or regulatory agency of competent jurisdiction, the Parties shall negotiate in good faith for replacement language. If replacement language cannot be agreed upon within a reasonable period, either Party may, subject to its obligations under applicable law, terminate this Agreement without penalty or liability upon written notice to the other Party.

1.4 Reservation of Rights.

The Parties agree that their entrance into this Agreement is without prejudice to and does not waive any positions they may have taken previously, or may take in the future, in any legislative, regulatory, judicial or other public forum addressing any matters, including, without limitation, matters related to Verizon's cost recovery set forth in this Agreement. Moreover, except as expressly provided herein, neither Party waives any right with respect to any position it may take in the future with respect to the establishment of rates, terms and conditions related to the subject matter of this Agreement which may become effective subsequent to the termination of this Agreement. By executing this Agreement, Verizon does not waive, and hereby expressly reserves, its rights to continue to assert that: (a) the rates and charges in this Agreement should not become effective until such

time as the Commission has established an explicit, specific, predictable, sufficient and competitively neutral universal service mechanism that provides Verizon the opportunity to recover its actual costs; and (b) certain provisions of the FCC's First Report and Order in FCC Docket No. 96-98 and other FCC orders or rules (collectively, the "FCC Orders") in effect as of the Effective Date or during the term of this Agreement are unlawful, illegal and improper. Verizon and Interloop further agree that the terms and conditions of this Agreement reflect certain requirements of the FCC Orders, and thus, except as provided herein, shall be subject to any and all actions by any court or other governmental authority that invalidate, stay, vacate or otherwise modify any such FCC Orders. Interloop acknowledges that Verizon may seek to enforce such action before a commission or court of competent jurisdiction. This Section 1.4 shall survive the termination, expiration, modification or rescission of this Agreement without limit as to time, regardless of the date of said action

1.5 Tariff Offerings.

Some of the services and facilities to be provided to Interloop by Verizon in satisfaction of this Agreement may be provided, in whole or part, pursuant to existing Verizon tariffs. Verizon shall have the right to modify its tariffs subsequent to the Effective Date of this Agreement, and upon written notice to Interloop, such modifications shall automatically apply to such services and facilities. The Parties shall cooperate with one another for the purpose of incorporating such modifications into this Agreement to the extent reasonably necessary or appropriate. Notwithstanding the foregoing, except as otherwise specifically provided herein: (a) Verizon shall not have the right to file tariffs for services and facilities that supersede the terms and conditions of this Agreement if the services and/or facilities were not previously provided pursuant to tariff hereunder; unless otherwise ordered by the Commission (pursuant to Applicable Law and not at the request of either Party) and (b) the Parties shall have the right to modify the terms of such Verizon tariffs as applied to this Agreement, as reasonably necessary or appropriate to fulfill their obligations under the Act or applicable rules and regulations in connection with the implementation of this Agreement. This section shall apply only to Interloop and shall not be construed as applying to any non-parties.

1.6 Certificate of Operating Authority.

When ordering any service or facility hereunder, Interloop hereby represents and warrants to Verizon that it is a certified provider of local dial-tone service. Interloop will provide a copy of its Certificate of Operating Authority or other evidence of its status to Verizon upon request.

2. Liability Matters.

2.1 Indemnification.

2.1.1 General Requirement. Subject to the limitations set forth in Section 2.7, each Party (the "Indemnifying Party") shall release, defend, indemnify and save harmless the other Party, its directors, officers, employees, servants, agents, Affiliates, subsidiaries and parent, and any third-party provider or operator of facilities involved in the provision of services or facilities under this Agreement (collectively, the "Indemnified Party"), from and against any and all suits, claims, obligations, liabilities, damages, demands, losses, expenses, causes of action and costs, deficiencies, taxes, interest on taxes, or penalties, court costs and reasonable attorneys' fees, injuries, damage, destruction, loss or death to property or persons (including payments made under workers' compensation law or under any plan for employees' disability and death benefits) and actual or

alleged defamation, libel, slander, interference with or misappropriation of proprietary or creative right, suffered, made, instituted, or asserted by the Indemnified Party or any other party or person, including, without limitation, the Indemnified Party's Customers (collectively, the "Indemnification Claims") which are proximately caused by:

- 2.1.1.1 any breach or nonfulfillment of any representation, covenant, term, condition or agreement on the part of the Indemnifying Party under this Agreement;
- 2.1.1.2 the negligence or willful misconduct of the Indemnifying Party or any of its directors, officers, employees, servants, agents, Affiliates, subsidiaries and parent, regardless of the form of action;
- 2.1.1.3 the installation, maintenance, repair, replacement, presence, engineering, use or removal of the Indemnifying Party's collocation equipment, in Verizon's central office(s), wire center(s) or access tandem(s);
- 2.1.1.4 the violation or alleged violation by the Indemnifying Party or any of its directors, officers, employees, servants, agents, Affiliates, subsidiaries and parent of any federal, state, or local law, regulation, permit, or agency requirement; or
- 2.1.1.5 the presence or alleged presence of contamination arising out of the Indemnifying Party's acts or omissions concerning its operations at a Verizon Facility.

To the extent the Indemnified Party pays for an indemnifiable loss, cost or expense, or otherwise incurs pecuniary obligations, in satisfaction of, or arising out of or related to any Indemnification Claim, the Indemnifying Party shall also be liable to the Indemnified Party for interest on such payments at the prime rate of the Bank of America, N.A. from the date that the Indemnified Party makes such payments. The obligations of this Section shall survive the termination, cancellation, modification or rescission of this Agreement, without limit as to time.

2.1.2 Notice and Claim Procedure.

- 2.1.2.1 General Requirements. The Indemnified Party: (i) shall give the Indemnifying Party notice (which shall include all facts known to the Indemnified Party giving rise to such right and an estimate of the amount thereof) of the Indemnification Claim and any Third Party Claim (as hereinafter defined) relating to such right promptly after receipt or becoming aware thereof; (ii) prior to taking any material action with respect to a Third Party Claim, shall consult with the Indemnifying Party as to the procedure to be followed in defending, settling, or compromising the Third Party Claim; (iii) shall not consent to any settlement or compromise of the Third Party Claim without the written consent of the Indemnifying Party (which consent, unless the Indemnifying Party has elected to assume the exclusive defense of such Claim, shall not be unreasonably withheld or delayed); (iv) shall permit the Indemnifying Party, if it so elects, to assume the defense of such Third Party Claim (including, except as provided below, the compromise or settlement thereof) at its own cost and expense, *provided, however*, that in such event the Indemnified Party shall have the right to approve the Indemnifying Party's choice of legal counsel, which approval shall not

be unreasonably withheld; and (v) shall cooperate in every reasonable way to facilitate defense or settlement of claims. For the purposes of this Agreement, "Third Party Claim" shall mean any Indemnification Claim by any third party.

2.1.2.2 Consultation and Consent. If the Indemnified Party (i) fails to notify or to consult with the Indemnifying Party with respect to any Third Party Claim in accordance with subparagraph (a)(i) or (a)(ii) above (which failure shall have a material and adverse effect upon the Indemnifying Party); or (ii) consents to the settlement or compromise of any Third Party Claim without having received the written consent of the Indemnifying Party (unless, if the Indemnifying Party has not elected to assume the defense of such Claim, the consent of the Indemnifying Party is unreasonably withheld or delayed), then the Indemnifying Party shall be relieved of its indemnification obligation with respect to such Third Party Claim under this Agreement.

2.1.2.3 Defense of Claim. If the Indemnifying Party elects to assume the defense of any Third Party Claim pursuant to this Agreement, it shall notify the Indemnified Party in writing of such election. The Indemnifying Party shall not compromise or settle any such Third Party Claim without the written consent of the Indemnified Party (which consent shall not be unreasonably withheld or delayed).

2.1.3 Intellectual Property Exception. Neither Party shall have any obligation to defend, indemnify or hold harmless, or owe any other obligation or have any liability to, the other based on or arising from any claim, demand, or proceeding by any third party alleging or asserting that the use of any circuit, apparatus, or system, or the use of any software, or the performance of any service or method, or the provision or use of any facilities by either Party under this Agreement constitutes direct or contributory infringement, or misuse or misappropriation of any patent, copyright, trademark, trade secret, or any other proprietary or intellectual property right of any third party.

2.2 Environmental Responsibility.

2.2.1 General Requirements. Interloop shall:

2.2.1.1 comply with all laws regarding the handling, use, transport, storage, and disposal of, and be responsible for all hazards created by and damages or injuries caused by, any materials brought to or used at the Verizon Facility by Interloop;

2.2.1.2 ensure all activities conducted by Interloop at the Verizon Facility are in accordance with all applicable federal, state, and local laws, regulations, permits, and agency orders, approvals, and authorizations relating to safety, health, and the environment;

2.2.1.3 cause its invitees, agents, employees, and contractors to comply with such reasonable environmental or safety practices/procedures, whether or not required by law, as requested by Verizon when working at a Verizon Facility;

2.2.1.4 ensure that no substantial new safety or environmental hazards shall be created or new hazardous substances shall be used at a Verizon Facility;

- 2.2.1.5 demonstrate adequate training and emergency response capabilities related to materials brought to, used, or existing at the Verizon Facility;
- 2.2.1.6 follow appropriate practices/procedures in evaluating and managing any water, sediment, or other material present in the manhole or vault area so as to ensure compliance with all applicable laws, regulations, permits, and requirements applicable in such circumstances and to ensure safe practices, when conducting operations in any Verizon manhole or vault area;
- 2.2.1.7 obtain and use its own environmental permits, approvals, or identification numbers to the extent that such permits, approvals, or identification numbers are required under applicable laws, including, without limitation, any of its operations involving the evaluation, collection, discharge, storage, disposal, or other management of water, sediment, or other material present in a Verizon manhole or vault area;
- 2.2.1.8 provide reasonable and adequate compensation to Verizon for any additional or increased costs associated with compliance with any federal, state, or local law, regulation, permit, or agency requirement related to safety, health, or the environment where such additional or increased cost is incurred as a result of providing Interloop with interconnection or collocation, including, but not limited to, costs associated with obtaining appropriate permits or agency authorizations or approvals, re-remediation or response to any release or threatened release of any regulated substance, investigation or testing related, and training or notification requirements;
- 2.2.1.9 ensure that activities impacting safety or the environment of a Right of Way (ROW) are harmonized with the specific agreement and the relationship between Verizon and the land owner; and
- 2.2.1.10 comply with any limitations associated with a ROW, including limitations on equipment access due to environmental conditions (e.g., wetland areas having equipment restrictions).

Verizon shall not be responsible for any costs incurred by Interloop in meeting its obligations under this Section.

- 2.2.2 **Required Notices.** Verizon and Interloop shall provide to each other specific notice of known and recognized physical hazards or hazardous substances brought to, used, or existing at the Verizon Facility and conditions or circumstances potentially posing a threat of imminent danger, including, by way of example only, a defective utility pole or significant petroleum contamination in a manhole. If Interloop discovers Third Party Contamination at a Verizon Facility, Interloop will immediately notify Verizon and will consult with Verizon prior to making any required notification, unless the time required for prior consultation would preclude Interloop from complying with an applicable reporting requirement. Verizon and Interloop shall coordinate plans or information required to be submitted to government agencies, such as, by way of example only, emergency response plans and chemical inventory reporting. If fees are associated with such filings, Verizon and Interloop shall develop a cost sharing procedure.
- 2.2.3 **Use of Verizon Permits.** If the relevant regulatory authority refuses to issue a separate permit, approval, or identification number to Interloop after a complete

and proper request by Interloop for same, then Verizon's permit, approval, or identification number may be used as authorized by law and upon prior approval by Verizon. In that case, Interloop must comply with all of Verizon's environmental, health, and safety practices/procedures relating to the activity in question, including, but not limited to, use of environmental "best management practices (BMP) and selection criteria for vendors and disposal sites.

2.2.4 **No Warranty.** The Parties acknowledge and agree that: (a) nothing in this Agreement or in any of Verizon's practices/procedures constitutes a warranty or representation by Verizon that Interloop's use of Verizon's permits, approvals, or identification numbers or compliance with Verizon's practices/procedures, this Agreement or Verizon's directions or recommendations, will achieve compliance with any applicable law; and (b) such compliance or use of Verizon's permits, approvals, or identification numbers creates no right of action against Verizon.

2.3 Insurance.

2.3.1 **Coverage Limits.** Interloop shall, at its sole cost and expense, obtain, maintain, pay for and keep in force the following minimum insurance, underwritten by an insurance company(s) having a Best's insurance rating of at least A-, financial size category VII.

2.3.1.1 Commercial general liability coverage on an occurrence basis in an amount of \$1,000,000 combined single limit for bodily injury and property damage with a policy aggregate per location of \$2,000,000. This coverage shall include contractual liability.

2.3.1.2 Umbrella/Excess Liability coverage in an amount of \$10,000,000 excess of coverage specified in (a) above.

2.3.1.3 All Risk Property coverage on a full replacement cost basis insuring all of Interloop's real and personal property located on or within Verizon wire centers. Interloop may also elect to purchase business interruption and contingent business interruption insurance, knowing that Verizon has no liability for loss of profit or revenues should an interruption of service occur.

2.3.1.4 Statutory Workers Compensation coverage.

2.3.1.5 Employers Liability coverage in an amount of \$500,000 each accident.

2.3.1.6 Commercial Automobile Liability coverage insuring all owned, hired and non-owned automobiles.

Notwithstanding anything herein to the contrary, the coverage requirements described in Sections 2.3.1.3 – 2.3.1.6 above shall only be required if Interloop orders collocation services pursuant to a Collocation Attachment. The minimum amounts of insurance required in this section, may be satisfied by Interloop purchasing primary coverage in the amounts specified or by Interloop buying a separate umbrella and/or excess policy together with lower limit primary underlying coverage. The structure of the coverage is at Interloop's option, so long as the total amount of insurance meets Verizon's minimum requirements. The limits of the insurance policies obtained by Interloop as required above shall in no way limit Interloop's liability to Verizon should Interloop be liable to Verizon under the terms of this Agreement or otherwise.

- 2.3.2 **Deductibles.** Any deductibles, self-insured retentions (SIR), loss limits, retentions, etc. (collectively, "Retentions") must be disclosed on a certificate of insurance provided to Verizon, and Verizon reserves the right to reject any such Retentions in its reasonable discretion. All Retentions shall be the responsibility of the Interloop.
- 2.3.3 **Additional Insureds.** Verizon and its affiliates (which includes any corporation controlled by, controlling or in common control with Verizon Communications Inc.) their respective directors, officers and employees shall be named as additional insureds under all General Liability and Umbrella/Excess Liability Policies obtained by Interloop. Said endorsement shall provide that such additional insurance is primary insurance and shall not contribute with any insurance or self-insurance that Verizon has secured to protect itself. All of the insurance afforded by the Interloop shall be primary in all respects, including Interloop's Umbrella/Excess Liability insurance. Verizon's insurance coverage shall be excess over any indemnification and insurance afforded by Interloop and required hereby.
- 2.3.4 **Waiver of Subrogation Rights.** Interloop waives and will require all of its insurers to waive all rights of subrogation against Verizon (including Verizon Communications Inc. and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise.
- 2.3.5 **Evidence of Insurance.** All insurance must be in effect on or before Verizon authorizes access by Interloop employees or placement of Interloop equipment or facilities within Verizon premises and such insurance shall remain in force as long as Interloop's facilities remain within any space governed by this Agreement. If Interloop fails to maintain the coverage, Verizon may pay the premiums and seek reimbursement from Interloop. Failure to make a timely reimbursement will result in disconnection of service. Interloop agrees to submit to Verizon a certificate of insurance ACORD Form 25-S (1/95), or latest edition, such certificate to be signed by a duly authorized officer or agent of the Insurer, certifying that the minimum insurance coverages and conditions set forth hereinabove are in effect, and that Verizon will receive at least thirty (30) calendar days notice of policy cancellation, expiration or non-renewal. At least thirty (30) days prior to the expiration of the policy, Verizon must be furnished satisfactory evidence that such policy has been or will be renewed or replaced by another policy. At Verizon's request, Interloop shall provide copies of the insurance provisions or endorsements as evidence that the required insurance has been procured, and that Verizon has been named as an additional insured, prior to commencement of any service. In no event shall permitting Interloop access be construed as a waiver of the right of Verizon to assert a claim against Interloop for breach of the obligations established in this section.
- 2.3.6 **Compliance Requirements.** Interloop shall require its contractors to comply with each of the provisions of this insurance section. This includes, but is not limited to, maintaining the minimum insurance coverages and limits, naming Verizon (including Verizon Communications Inc. and any other affiliated and/or managed entity) as an additional insured under all liability insurance policies, and waiving all rights of subrogation against Verizon (including Verizon Communications Inc. and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise. Prior to commencement of any work, Interloop shall require and maintain certificates of insurance from each contractor evidencing the required coverages. At Verizon's request, Interloop shall supply to Verizon

copies of such certificates of insurance or require the contractors to provide insurance provisions or endorsements as evidence that the required insurance has been procured. Interloop must also conform to the recommendation(s) made by Verizon's fire insurance company, which Verizon has already agreed to or shall hereafter agree to.

2.4 Impairment of Service.

The characteristics and methods of operation of any circuits, facilities or equipment of Interloop connected with the services, facilities or equipment of Verizon pursuant to this Agreement shall not interfere with or impair service over any facilities of Verizon, its Affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to its plant, violate any applicable law or regulation regarding the invasion of privacy of any communications carried over Verizon's facilities or create hazards to the employees of Verizon or to the public (each hereinafter referred to as an "Impairment of Service"). If Interloop causes an Impairment in Service, Verizon shall promptly notify Interloop of the nature and location of the problem and that, unless promptly rectified, a temporary discontinuance of the use of any circuit, facility or equipment may be required. Verizon and Interloop agree to work together to attempt to promptly resolve the Impairment of Service. If the Interloop is unable to promptly remedy the Impairment of Service, then Verizon may at its option temporarily discontinue the use of the affected circuit, facility or equipment.

2.5 Fraud.

Interloop assumes responsibility for all fraud associated with its Customers and accounts. Verizon shall bear no responsibility for, nor is it required to investigate or make adjustments to Interloop's account in cases of fraud.

2.6 DISCLAIMER.

EXCEPT AS SPECIFICALLY PROVIDED TO THE CONTRARY IN THIS AGREEMENT, PROVIDER MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES CONCERNING THE SPECIFIC QUALITY OF ANY SERVICES OR FACILITIES PROVIDED UNDER THIS AGREEMENT. PROVIDER DISCLAIMS, WITHOUT LIMITATION, ANY WARRANTY OR GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE.

2.7 Limitation of Liability.

Each Party's liability under this agreement to the other Party, including liability arising out of the duty to indemnify under this Section 2, all whether in contract, tort or otherwise, shall be limited to direct damages, and except with respect to Indemnification Claims relating to personal injury, environmental, fraud or collocation matters, said liability shall not exceed the monthly charges, plus any reimbursable costs/expenses of the other Party under this Agreement for the services or facilities for the month during which the claim of liability arose. Under no circumstance shall either Party be responsible or liable for indirect, incidental, consequential, special, punitive or exemplary damages, including, but not limited to, interruption of service or designated facilities, economic loss or lost business, revenues or profits, loss of AC or DC power, HVAC interruptions, damages arising from the use or performance of equipment or software, or the loss of use of software or equipment, or any accessories attached thereto, delay, error, or loss of data, even if the Party has been advised of the possibility of the same. Should either Party provide advice, make recommendations, or supply other analysis related to the services

or facilities described in this Agreement, this limitation of liability shall apply to provision of such advice, recommendations, and analysis.

2.8 Inapplicability of Tariff Liability.

Verizon's general liability, as described in the Verizon retail tariff, does not extend to Interloop's customers or any other third party. Liability of Verizon to Interloop resulting from any and all causes arising out of services and facilities or any other items relating to this Agreement shall be governed by the liability provisions contained in this Agreement and no other liability whatsoever shall attach to Verizon. Verizon shall be liable for the individual services, facilities or elements that it separately provides to Interloop and shall not be liable for the integration of components combined by Interloop.

2.9 Interloop Tariffs or Contracts.

Interloop shall, in its tariffs or other contracts for services provided to its customers using services obtained from Verizon, provide that in no case shall Verizon be liable to Interloop's customers or any third parties for any indirect, special or consequential damages, including, but not limited to, economic loss or lost business or profits, whether foreseeable or not, and regardless of notification by Interloop of the possibility of such damages and Interloop shall indemnify and hold Verizon harmless from any and all claims, demands, causes of action and liabilities based on any reason whatsoever from its customers as provided in this Agreement. Nothing in this Agreement shall be deemed to create a third-party beneficiary relationship with Interloop's customers.

2.10 No Liability for Errors.

Verizon is not liable for mistakes that appear in Verizon's listings, 911 and other information databases, or for incorrect referrals of customers to Interloop for any ongoing Interloop service, sales or repair inquiries, and with respect to such mistakes or incorrect referrals, Interloop shall indemnify and hold Verizon harmless from any and all claims, demands, causes of action and liabilities whatsoever, including costs, expenses and reasonable attorney's fees incurred on account thereof, by third parties, including Interloop's customers or employees. For purposes of this Section 2 mistakes and incorrect referrals shall not include matters arising out of the willful misconduct of Verizon or its employees or agents.

2.11 Unlawful Use of Service.

Services provided by Verizon pursuant to this Agreement shall not be used by Interloop or its customers for any purpose in violation of law. Interloop, and not Verizon, shall be responsible to ensure that Interloop and its customers' use of services provided hereunder comply at all times with all applicable laws. Verizon may refuse to furnish service to Interloop or disconnect particular services provided under this Agreement to Interloop or, as appropriate, Interloop's customer when (i) an order is issued by a court of competent jurisdiction finding that probable cause exists to believe that the use made or to be made of the service is prohibited by law or (ii) Verizon is notified in writing by a law enforcement agency acting within its jurisdiction that any facility furnished by Verizon is being used or will be used for the purpose of transmitting or receiving gambling information in interstate or foreign commerce in violation of law. Termination of service shall take place after reasonable notice is provided to Interloop, or as ordered by the court. If facilities have been physically disconnected by law enforcement officials at the premises where located, and if there is not presented to Verizon the written finding of a court, then upon request of Interloop and agreement to pay restoral of service charges and other applicable service charges, Verizon shall promptly restore such service.

3. Dispute Resolution.

3.1 Alternative to Litigation.

Except as provided under Section 252 of the Act with respect to the approval of this Agreement by the Commission, the Parties desire to resolve disputes arising out of or relating to this Agreement without litigation. Accordingly, the Parties agree to use the following alternative dispute resolution procedures as the sole remedy with respect to any action, dispute, controversy or claim arising out of or relating to this Agreement or its breach, except with respect to the following:

- 3.1.1 An action seeking a temporary restraining order or an injunction related to the purposes of this Agreement;
- 3.1.2 A dispute, controversy or claim relating to or arising out of a change in law or reservation of rights under the provisions of Article II, Section 1; and
- 3.1.3 A suit to compel compliance with this dispute resolution process.

Any such actions, disputes, controversies or claims may be pursued by either Party before any court, commission or agency of competent jurisdiction.

3.2 Negotiations.

At the written request of a Party, each Party will appoint a knowledgeable, responsible representative to meet and negotiate in good faith to resolve any dispute arising out of or relating to this Agreement. The Parties intend that these negotiations be conducted by non-lawyer, business representatives. The location, format, frequency, duration, and conclusion of these discussions shall be left to the discretion of the representatives. Upon agreement, the representatives may utilize other alternative dispute resolution procedures such as mediation to assist in the negotiations. Discussions and correspondence among the representatives for purposes of these negotiations shall be treated as Confidential Information developed for purposes of settlement, exempt from discovery, and shall not be admissible in the arbitration described below or in any lawsuit without the concurrence of all Parties. Documents identified in or provided with such communications, which are not prepared for purposes of the negotiations, are not so exempted and may, if otherwise discoverable or admissible, be discovered, or be admitted in evidence, in the arbitration or lawsuit.

3.3 Arbitration.

If the negotiations do not resolve the dispute within sixty (60) Business Days of the initial written request, the dispute shall be submitted by either Party or both Parties (with a copy provided to the other Party) to binding arbitration by a single arbitrator pursuant to the Commercial Arbitration Rules of the American Arbitration Association, except that the Parties may select an arbitrator outside American Arbitration Association rules upon mutual agreement. A Party may demand such arbitration in accordance with the procedures set out in those rules. Discovery shall be controlled by the arbitrator and shall be permitted to the extent set out in this section. Each Party may submit in writing to a Party, and that Party shall so respond to, a maximum of any combination of thirty-five (35) (none of which may have subparts) of the following: interrogatories, demands to produce documents, or requests for admission. Each Party is also entitled to take the oral deposition of one individual of the other Party. Additional discovery may be permitted upon mutual agreement of the Parties. The arbitration hearing shall be commenced within sixty (60) Business Days of the demand for arbitration. The

arbitration shall be held in a mutually agreeable city. The arbitrator shall control the scheduling so as to process the matter expeditiously. The Parties may submit written briefs. The arbitrator shall rule on the dispute by issuing a written opinion within thirty (30) Business Days after the close of hearings. The times specified in this section may be extended upon mutual agreement of the Parties or by the arbitrator upon a showing of good cause. Judgment upon the award rendered by the arbitrator shall be deemed final, binding and nonappealable and may be entered in any court having jurisdiction.

3.4 Expedited Arbitration Procedures.

If the issue to be resolved through the negotiations referenced in Section 3.2 directly and materially affects service to either Party's end-user Customers, then the period of resolution of the dispute through negotiations before the dispute is to be submitted to binding arbitration shall be five (5) Business Days. Once such a service affecting dispute is submitted to arbitration, the arbitration shall be conducted pursuant to the expedited procedures rules of the Commercial Arbitration Rules of the American Arbitration Association (i.e., rules 53 through 57).

3.5 Costs.

Each Party shall bear its own costs of these procedures. A Party seeking discovery shall reimburse the responding Party the costs of production of documents (including search time and reproduction costs). The Parties shall equally split the fees of the arbitration and the arbitrator.

3.6 Continuous Service.

The Parties shall continue providing services to each other during the pendency of any dispute resolution procedure, and the Parties shall continue to perform their obligations, including making payments in accordance with Article I, Section 4.3 of this Agreement.

4. Confidential Information.

4.1 Identification.

Either Party may disclose to the other proprietary or confidential Customer, technical, or business information in written, graphic, oral or other tangible or intangible forms ("Confidential Information"). In order for information to be considered Confidential Information under this Agreement, it must be marked "Confidential" or "Proprietary," or bear a marking of similar import. Orally or visually disclosed information shall be deemed Confidential Information only if contemporaneously identified as such and reduced to writing and delivered to the other Party with a statement or marking of confidentiality within thirty (30) calendar days after oral or visual disclosure. Notwithstanding the foregoing, the following shall be deemed Confidential Information for all purposes under this Agreement whether or not specifically marked or designated as confidential or proprietary: (a) preorders and all orders for services or UNEs placed by Interloop pursuant to this Agreement, and information that would constitute Customer proprietary network information of Interloop end-user Customers pursuant to the Act and the rules and regulations of the FCC, as well as recorded usage information with respect to Interloop Customers, whether disclosed by Interloop to Verizon or otherwise acquired by Verizon in the course of its performance under this Agreement; and (b) all information of a competitive nature provided to a Party in connection with collocation or known to the Party as a result of access to Verizon's wire center(s), central office(s) or access tandem(s) or as a result of the interconnection of Interloop's equipment to Verizon's facilities.

4.2 Handling.

In order to protect Confidential Information from improper disclosure, each Party shall not use or disclose and shall hold in confidence Confidential Information and hereby agrees:

- 4.2.1 That all Confidential Information shall be and shall remain the exclusive property of the source;
- 4.2.2 To limit access to such Confidential Information to authorized employees who have a need to know the Confidential Information for performance of this Agreement;
- 4.2.3 To keep such Confidential Information confidential and to use the same level of care to prevent disclosure or unauthorized use of the received Confidential Information as it exercises in protecting its own Confidential Information of a similar nature;
- 4.2.4 Not to copy, publish, or disclose such Confidential Information to others or authorize anyone else to copy, publish, or disclose such Confidential Information to others without the prior written approval of the source;
- 4.2.5 Upon the source's request, to return or destroy promptly any copies of such Confidential Information at its request; and
- 4.2.6 To use such Confidential Information only for purposes of fulfilling work or services performed hereunder and for other purposes only upon such terms as may be agreed upon between the Parties in writing.

4.3 Exceptions.

These obligations shall not apply to any Confidential Information that: (a) was legally in the recipient's possession prior to receipt from the source; (b) was received in good faith from a third party not subject to a confidential obligation to the source; (c) now is or later becomes publicly known through no breach of confidential obligation by the recipient; (d) was developed by the recipient without the developing persons having access to any of the Confidential Information received in confidence from the source; (e) or is required to be disclosed pursuant to subpoena or other process issued by a court or administrative agency having appropriate jurisdiction, provided, however, that the recipient shall give prior notice to the source and shall reasonably cooperate if the source deems it necessary to seek protective arrangements. Verizon reserves the right to provide to any information service provider a list of any and all telecommunications providers doing business with Verizon. Nothing in this Section 4 is intended to expand or limit the Parties' rights and obligations under Section 222 of the Act.

4.4 Survival.

The obligation of confidentiality and use with respect to Confidential Information disclosed by one party to the other shall survive any termination of this Agreement for a period of three (3) years from the date of the initial disclosure of the Confidential Information.

5. Miscellaneous.

5.1 Binding Effect.

This Agreement shall be binding on and inure to the benefit of the respective successors and permitted assigns of the Parties.

5.2 Consent.

Where consent, approval, or mutual agreement is required of a Party, it shall not be conditional, unreasonably withheld, or delayed.

5.3 Expenses.

Except as specifically set out in this Agreement, each Party shall be solely responsible for its own expenses involved in all activities related to the subject of this Agreement.

5.4 Force Majeure.

In the event performance of this Agreement, or any obligation hereunder, is either directly or indirectly prevented, restricted, or interfered with by reason of fire, flood, earthquake or likes acts of God, wars, revolution, civil commotion, explosion, acts of public enemy, embargo, acts of the government in its sovereign capacity, labor difficulties, including without limitation, strikes, slowdowns, picketing, or boycotts, unavailability of equipment from vendor, changes requested by Customer, or any other circumstances beyond the reasonable control and without the fault or negligence of the Party affected, the Party affected, upon giving prompt notice to the other Party, shall be excused from such performance on a day-to-day basis to the extent of such prevention, restriction, or interference (and the other Party shall likewise be excused from performance of its obligations on a day-to-day basis until the delay, restriction or interference has ceased); *provided however*, that the Party so affected shall use diligent efforts to avoid or remove such causes of nonperformance and both Parties shall proceed whenever such causes are removed or cease.

5.5 Good Faith Performance.

In the performance of their obligations under this Agreement, the Parties shall act in good faith. In situations in which notice, consent, approval or similar action by a Party is permitted or required by any provision of this Agreement, such action shall not be conditional, unreasonably withheld or delayed.

5.6 Governing Law.

This Agreement shall be governed by and construed in accordance with the Telecommunications Act of 1996, applicable federal and (to the extent not inconsistent therewith) domestic laws of the state where the services are provided or the facilities reside and shall be subject to the exclusive jurisdiction of the courts therein.

5.7 Headings.

The headings in this Agreement are inserted for convenience and identification only and shall not be considered in the interpretation of this Agreement.

5.8 Independent Contractor Relationship.

The persons provided by each Party shall be solely that Party's employees and shall be under the sole and exclusive direction and control of that Party. They shall not be considered employees of the other Party for any purpose. Each Party shall remain an independent contractor with respect to the other and shall be responsible for compliance with all laws, rules and regulations involving, but not limited to, employment of labor, hours of labor, health and safety, working conditions and payment of wages. Each Party shall also be responsible for payment of taxes, including federal, state and municipal taxes, chargeable or assessed with respect to its employees, such as Social Security, unemployment, workers' compensation, disability insurance, and federal and state withholding.

5.9 Multiple Counterparts.

This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, but all of which shall together constitute but one and the same document.

5.10 No Third Party Beneficiaries.

Except as may be specifically set forth in this Agreement, this Agreement does not provide and shall not be construed to provide third parties with any remedy, claim, liability, reimbursement, cause of action, or other right or privilege.

5.11 Notices.

Any notice to a Party required or permitted under this Agreement shall be in writing and shall be deemed to have been received on the date of service if served personally, on the date receipt is acknowledged in writing by the recipient if delivered by regular U.S. mail, or on the date stated on the receipt if delivered by certified or registered mail or by a courier service that obtains a written receipt. Notice may also be provided by facsimile, Internet or electronic messaging system, which shall be effective if sent before 5:00 p.m. on that day, or if sent after 5:00 p.m. it will be effective on the next Business Day following the date sent, *provided, however*, that any such notice shall be confirmed via personal delivery, regular U.S. Mail or certified mail/courier service. Any notice shall be delivered using one of the alternatives mentioned in this section and shall be directed to the applicable address or Internet ID indicated below or such address as the Party to be notified has designated by giving notice in compliance with this section:

If to Verizon:

Verizon Florida Inc. f/k/a GTE Florida Incorporated
Attention: Assistant Vice President/Associate General Counsel
Service Corporation
600 Hidden Ridge - HQEWMNOTICES
Irving, TX 75038
Telephone number: 972/718-6361
Facsimile number: 972/718-3403
Internet Address: wmnotices@telops.gte.com

and

Verizon Florida Inc. f/k/a GTE Florida Incorporated
Attn: Director-Wholesale Contract Compliance
Network Services
600 Hidden Ridge - HQEWMNOTICES
Irving, TX 75038
Telephone Number: 972/718-5988
Facsimile Number: 972/719-1519
Internet Address: wmnotices@telops.gte.com

If to Interloop:

Interloop, Inc.
Attention: Mr. Ariel Musibay
2514 Hollywood Blvd., Second Floor
Hollywood, FL 33020
Telephone number: 954/923-2410
Facsimile number: 954/923-2411
Internet Address: amusibay@interloop.net

5.12 Publicity.

Any news release, public announcement, advertising, or any form of publicity pertaining to this Agreement, provision of services, or facilities pursuant to it, or association of the Parties with respect to provision of the services described in this Agreement shall be subject to prior written approval of both Verizon and Interloop.

5.13 Rule of Construction.

No rule of construction requiring interpretation against the drafting Party hereof shall apply in the interpretation of this Agreement. All references to sections, exhibits, attachments, appendices, etc. shall be deemed to be references to sections, exhibits, attachments, appendices, etc. of this Agreement, as amended or superseded from time to time, unless the context shall otherwise require. Each Party hereby incorporates by reference those provisions of its tariffs that govern the provision of any of the services or facilities provided hereunder. If any provision of this Agreement and an applicable tariff or any schedule, exhibit or appendix hereto cannot be reasonably construed or interpreted to avoid conflict, the provision contained in this Agreement shall prevail, provided that in all cases the more specific shall prevail over the more general. The fact that a condition, right, obligation, or other terms appears in this Agreement, but not in any such applicable tariff or any such schedule, exhibit or appendix hereto, shall not alone be interpreted as, or alone be deemed grounds for finding, a conflict.

5.14 Section References.

Except as otherwise specified, references within an Article, Attachment or Appendix of this Agreement to a Section refer to Sections within that same respective Article, Attachment or Appendix.

5.15 Attachments.

All attachments, appendices, exhibits and schedules attached hereto are deemed to be an integral part of this Agreement, and all references to the term Agreement herein shall be deemed to include such attachments, appendices, exhibits and schedules.

5.16 Subcontractors.

Provider may enter into subcontracts with third parties or Affiliates for the performance of any of Provider's duties or obligations under this Agreement.

5.17 Trademarks and Trade Names.

Except as specifically set out in this Agreement, nothing in this Agreement shall grant, suggest, or imply any authority for one Party to use the name, trademarks, service marks, or trade names of the other for any purpose whatsoever.

5.18 Waiver.

The failure of either Party to insist upon the performance of any provision of this Agreement, or to exercise any right or privilege granted to it under this Agreement, shall not be construed as a waiver of such provision or any provisions of this Agreement, and the same shall continue in full force and effect.

5.19 Amendments.

Any amendment, modification, or supplement to this Agreement must be in writing and signed by an authorized representative of each Party. The term "this Agreement" shall include future amendments, modifications, and supplements.

5.20 Assignment.

Any assignment by either Party of any right, obligation, or duty, in whole or in part, or of any interest, without the written consent of the other Party shall be void, except that either Party may assign all of its rights, and delegate its obligations, liabilities and duties under this Agreement, either in whole or in part, to any entity that is, or that was immediately preceding such assignment, a Subsidiary or Affiliate of that Party without consent, but with written notification. The effectiveness of an assignment shall be conditioned upon the assignee's written assumption of the rights, obligations, and duties of the assigning Party.

5.21 Authority.

Each person whose signature appears on this Agreement represents and warrants that he or she has authority to bind the Party on whose behalf he or she has executed this Agreement. Each Party represents he or she has had the opportunity to consult with legal counsel of his or her choosing and Interloop has not relied on Verizon counsel, pursuant to this Agreement.

5.22 Entire Agreement.

This Agreement constitutes the entire agreement of the Parties pertaining to the subject matter of this Agreement and supersedes all prior agreements, negotiations, proposals, and representations, whether written or oral, and all contemporaneous oral agreements, negotiations, proposals, and representations concerning such subject matter. No representations, understandings, agreements, or warranties, expressed or implied, have been made or relied upon in the making of this Agreement other than those specifically set forth herein.

(THIS PAGE IS INTENTIONALLY LEFT BLANK—RESERVED FOR FUTURE USE)

SIGNATURE PAGE

IN WITNESS WHEREOF, each Party has executed this Agreement effective on the Effective Date described above.

VERIZON FLORIDA INC. F/K/A
GTE FLORIDA INCORPORATED

INTERLOOP, INC.

By Steven J. Pitterle

By [Signature]

Name Steven J. Pitterle

Name PETER BUFFA

Title Director - Negotiations
Network Services

Title CEO

Date November 29, 2000

Date 10/23/00

APPROVED
ATL 10/14/00

**APPENDIX A TO ARTICLES I & II
GLOSSARY**

911 Service

A universal telephone number which gives the public direct access to the Public Safety Answering Point (PSAP). Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then sent to the correct authority designated to receive such calls.

Access Service Request (ASR)

An industry standard form, which contains data elements and usage rules used by the Parties to add, establish, change or disconnect services or trunks for the purposes of Interconnection.

Act

The Communications Act of 1934 (47 U.S.C. §151 et. seq.), as from time to time amended (including, without limitation by the Telecommunications Act of 1996, Public Law 104-104 of the 104th United States Congress effective February 8, 1996), and as further interpreted in the duly authorized rules and regulations of the FCC or the Commission.

Affiliate

A person, corporation or other legal entity that, directly or indirectly, owns or controls a Party, or is owned or controlled by, or is under common ownership or control with a Party. For purposes of this paragraph, the term "own" means an equity interest (or the equivalent thereof) of more than ten percent.

Answer Supervision

An off-hook supervisory signal.

Applicable Law

All laws, statutes, common law, regulations, ordinances, codes, rules, guidelines, orders, permits, and approvals of any Governmental Authority, which apply or relate to the subject matter of this Agreement, and are applicable to each Party's performance of its obligations hereunder.

As-Is Transfer (AIT)

The transfer of all Telecommunications Services and features available for resale, that are currently being provided for a specific account, without the requirements of a specific enumeration of the services and features on the Local Service Request (LSR).

Automatic Location Identification/Data Management System (ALI/DMS)

The emergency services (E-911/911) database containing Customer location information (including name, address, telephone number, and sometimes-special information from the local service Provider) used to process subscriber access records into Automatic Location Identification (ALI) records. From this database, records are forwarded to Verizon's ALI Gateway for downloading by local ALI database systems to be available for retrieval in response to Automatic Number Identification (ANI) from a 9-1-1 call. Also, from this database, Verizon will upload to its selective routers the selective router ALI (SR/ALI) which is used to determine to which Public Safety Answering Point (PSAP) to route the call.

Automated Message Accounting (AMA)

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 Technologies as GR-1100-CORE which defines the industry standard for message recording.

Automatic Number Identification (ANI)

The signaling parameter which refers to the number transmitted through the network identifying the billing number of the calling Party.

Basic Local Exchange Service

Voice grade access to the network that provides: the ability to place and receive calls; touch-tone service, access to operator services; access to directory assistance; access to emergency services (E911); access to telephone relay service (TRS); access to Interexchange Carriers of the Customer's choice; standard white pages directory listing; and toll blocking for low-income consumers participating in Lifeline (subject to technical feasibility).

Bill-and-Keep Arrangement

A compensation arrangement whereby the Parties do not render bills to each other for the termination of Local Traffic specified in this Agreement and whereby the Parties terminate local exchange traffic originating from End-Users served by the networks of the other Party without explicit charging among or between said carriers for such traffic exchange.

Bona Fide Request (BFR)

Bona Fide Request (BFR) shall have the meaning set forth in Article I, Section 2.7.

Business Day

Monday through Friday, except for holidays on which the U.S. mail is not delivered.

Central Office Switch

A switch used to provide telecommunications services including but not limited to (1) End Office Switches which are Class 5 switches from which end-user Exchange Services are directly connected and offered, and (2) Tandem Office Switches which are Class 4 switches which are used to connect and switch trunk circuits between and among central office switches. Central office switches may be employed as combination end office/tandem office switches (combination Class 5/Class 4).

Centralized Message Distribution System (CMDS)

The billing record and clearing house transport system that the Regional Bell Operating Companies (RBOCs) and other incumbent LECs use to efficiently exchange out collects and in collects as well as Carrier Access Billing System (CABS) records.

CLLI Codes

Common Language Location Identifier Codes.

Commission

Florida Public Service Commission.

Common Channel Signaling (CCS)

A high-speed specialized packet-switched communications network that is separate (out-of-band) from the public packet-switched and message networks. CCS carries addressed signaling messages for individual trunk circuits and/or database-related services between Signaling Points in the CCS network using SS7 signaling protocol.

Competitive Local Exchange Carrier (CLEC)

Any company or person authorized to provide local exchange services in competition with an ILEC.

Compliance

Environmental and safety laws and regulations based upon a federal regulatory framework, with certain responsibilities delegated to the States. An environmental/safety compliance program may include review of applicable laws/regulations, development of written procedures, training of employees and auditing.

Conversation Time

The time that both Parties' equipment is used for a completed call measured from the receipt of Answer Supervision to the receipt of Disconnect Supervision.

Currently Available

Existing as part of Verizon's network at the time of the requested order or service and does not include any service, feature, function or capability that Verizon either does not provide to itself or to its own End-Users, or does not have the capability to provide.

Customer

A third-party residence or business that subscribes to Telecommunications Services provided by either of the Parties, or by another Telecommunications Service provider, and does not resell it to others.

Customer Service Record Search

Applied to LSR when CLEC requests a Customer service record search prior to account conversion from Verizon or from another CLEC. Search typically is for basic account information, listing/directory information, service and equipment listing, and billing information. Applied on a per requested loop and/or port basis.

Dedicated Transport

An Unbundled Network Element that is purchased for the purpose of transporting Telecommunication Services between designated Serving Wire Centers (SWC). Dedicated Transport may extend between two Verizon SWCs (Interoffice Dedicated Transport or IDT) or may extend from the Verizon SWC to the CLEC premise (CLEC Dedicated Transport or CDT). CDT remains within the exchange boundaries of the SWC, while IDT traverses exchange boundaries.

Disconnect Supervision

An on-hook supervisory signal end at the completion of a call.

DS-1 or Digital Signal Level

A service transmitted at digital signal rate of 1.544 Mbps in the first level signal of the time-division multiplex hierarchy.

DS-3 or Digital Signal Level 3

A service transmitted at digital signal rate of 44.736 Mbps, in the third-level signal of the time-division multiplex hierarchy.

Electronic File Transfer

A system or process that utilizes an electronic format and protocol to send/receive data files.

End Office Switches

Switches that are Class 5 switches from which end-user Exchange Services are directly connected and offered.

Enhanced Service Provider (ESP) /Internet Service Provider (ISP) Traffic

Traffic bound to any Enhanced Service Provider or Internet Service Provider. ESP/ISP Traffic is separate and distinct from Local Traffic.

E-911 Service

A method of routing 911 calls to a PSAP that uses a Customer location database to determine the location to which a call should be routed. E-911 service includes the forwarding of the caller's Automatic Number Identification (ANI) to the PSAP where the ANI is used to retrieve and display the Automatic Location Identification (ALI) on a terminal screen at the answering Attendant's position. It usually includes selective routing.

Exchange Message Interface (EMI)

Standard used for the interexchange of telecommunications message information between exchange carriers and interexchange carriers for billable, nonbillable, sample, settlement and study data. Data is provided between companies via a unique record layout that contains Customer billing information, account summary and tracking analysis. GMI format is contained in document SR-320 published by the Alliance for Telecom Industry Solutions.

Exchange Access

The offering of access to telephone exchange services or facilities for the purpose of the origination or termination of the telephone toll services.

Expanded Interconnection Service (EIS)

A service that provides interconnecting carriers with the capability to terminate basic fiber optic transmission facilities, including optical terminating equipment and multiplexers, at Verizon's wire centers and access tandems and interconnect those facilities with the facilities of Verizon. Microwave is available on a case-by-case basis where feasible.

Facility

All buildings, equipment, structures and other items located on a single site or contiguous or adjacent sites owned or operated by the same persons or person as used in Article II, Section 2.2.

FCC

The Federal Communications Commission, or any successory agency of the United States government; provided such succession has assumed such duties and responsibilities of the former FCC.

Generator

Under the Resource Conservation Recovery Act (RCRA), the person whose act produces a hazardous waste (40 CFR 261) or whose act first causes a hazardous waste to become subject to regulation. The generator is legally responsible for the proper management and disposal of hazardous wastes in accordance with regulations (see reference in Article II, Section 2.2).

GTE Guide

The Verizon internet web site which contains Verizon's operating practices and procedures and general information for pre-ordering, ordering, provisioning, repair and billing for resold services and unbundled elements and guidelines for obtaining interconnection with Verizon's switched network.

GTOC

GTE Telephone Operating Company.

Imminent Danger

As described in the Occupational Safety and Health Act and expanded for environmental matters, any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause death or serious harm or significant damage to the environment or natural resources.

Incumbent Local Exchange Carrier (ILEC)

Any local exchange carrier that was as of February 8, 1996, deemed to be a member of the Exchange Carrier Association as set forth in 47 C.F.R. (69.601(b) of the FCC's regulations.

Initial Service Order

A charge applied to each LSR of Unbundled Loops and/or Ports with the exception of Subsequent Service Order changes to existing CLEC accounts.

Interconnection Facility

See "Internetwork Facilities".

Interconnection Point (IP)

The physical point on the network where the two parties interconnect. The IP is the demarcation point between ownership of the transmission facility.

Interexchange Carrier (IXC)

A telecommunications service Provider authorized by the FCC to provide interstate long distance communications services between LATAs and is authorized by the State to provide InterLATA and/or IntraLATA long distance communications services within the State.

Internet Traffic

Traffic that is transmitted to or returned from the Internet at any point during the duration of the transmission.

Interim Number Portability (INP)

The delivery of Local Number Portability (LNP) capabilities, from a Customer standpoint in terms of call completion, with as little impairment of functioning, quality, reliability, and convenience as possible and from a carrier standpoint in terms of compensation, through the use of existing and available call routing, forwarding, and addressing capabilities.

InterLATA

Telecommunications services between a point located in a local access and transport area and a point located outside such areas.

Internetwork Facilities

The physical connection of separate pieces of equipment, transmission facilities, etc., within, between and among networks, for the transmission and routing of Exchange Service and Exchange Access.

IntraLATA

Telecommunications services that originate and terminate at a point within the same local access and transport area.

ISDN User Part (ISUP)

A part of the SS7 protocol that defines call setup messages and call takedown messages.

Line Information Data Base (LIDB)

One or all, as the context may require, of the Line Information databases owned individually by Verizon and other entities which provide, among other things, calling card validation functionality for telephone line number cards issued by Verizon and other entities. A LIDB also contains validation data for collect and third number-billed calls; i.e., Billed Number Screening.

Line Side

Refers to an end office switch connection that has been programmed to treat the circuit as a local line connected to an ordinary telephone station set. Line side connections offer only those transmission and signaling features appropriate for a connection between an end office and an ordinary telephone set.

Local Access and Transport Area (LATA)

A contiguous geographic area for the provision and administration of communications service; i.e., intraLATA or interLATA. Established before the date of enactment of the Telecommunications Act of 1996 by a Bell operating company such that no exchange area includes points within more than one

metropolitan statistical area, consolidated metropolitan statistical area, or State, except as expressly permitted under the AT&T Consent Decree dated August 24, 1982; or established or modified by a Bell operating company after such date of enactment and approved by the FCC.

Local Exchange Carrier (LEC)

Any person that is engaged in the provision of telephone Exchange Service or Exchange Access.

Exchange Routing Guide (LERG)

The Telcordia Technologies reference customarily used to identify NPANXX routing and homing information, as well as network element and equipment designation.

Local Number Portability (LNP)

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.

Local Service Request (LSR)

The industry standard form, which contains data elements and usage rules, used by the Parties to establish, add, change or disconnect resold services and Unbundled Network Elements for the purposes of competitive local services.

Local Traffic

For purposes of compensation between the Parties, Local Traffic is Verizon Traffic that terminates to Interloop and Interloop traffic that terminates to Verizon, that is within Verizon's then current local serving area, including mandatory local calling scope arrangements. A mandatory local calling scope arrangement is an arrangement that provides End-Users a local calling scope, i.e. Extended Area Service (EAS), beyond their basic exchange serving area. The Parties agree that the points of call origination and termination shall be used to determine Local Traffic, and agree to use the Rate Center assignments of the calling and called NPA/NXX's as shown in the LERG to make such determination. Local Traffic does not include optional local calling scopes, i.e. optional rate packages that permit the End-User to choose a local calling scope beyond their basic exchange serving area for an additional fee, referred to hereafter as "optional EAS". Local Traffic does not include Enhanced Service Provider (ESP) and Internet Service Provider (ISP) traffic, including, but not limited to, Internet traffic, 900/976, etc., and Internet Protocol (IP) based voice or fax telephony.

Loop Facility Charge

A charge applied to LSRs when fieldwork is required for establishment of unbundled loop service. Applied on a per LSR basis.

Main Distribution Frame (MDF)

The primary point at which outside plant facilities terminate within a Wire Center, for interconnection to other telecommunications facilities within the Wire Center. The distribution frame used to interconnect cable pairs and line trunk equipment terminating on a switching system.

Meet-Point Billing (MPB)

Refers to an arrangement whereby two LECs jointly provide the transport element of a switched access service to one of the LEC's end office switches, with each LEC receiving an appropriate share of the transport element revenues as defined by the effective access tariffs.

Mid-Span Fiber Meet

An Interconnection architecture whereby two carriers' fiber transmission facilities meet at a mutually agreed upon IP.

Multiple Exchange Carrier Access Billing (MECAB)

Refers to the document prepared by the Billing Committee of the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS). The MECAB document, published by [BellCore] Telcordia Technologies as Special Report SR-BDS-000983, contains the recommended guidelines for the billing of an access service provided by two or more LECs, or by one LEC in two or more states within a single LATA.

Multiple Exchange Carriers Ordering and Design Guidelines for Access Services - Industry Support Interface (MECOD)

A document developed by the Ordering/Provisioning Committee under the auspices of the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS). The MECOD document, published by [BellCore] Telcordia Technologies as Special Report SR-STS-002643, establishes methods for processing orders for access service that is to be provided by two or more LECs.

Network Interface Device (NID)

The Verizon provided interface terminating Verizon's telecommunication network on the property where the customer's End-User service is located at a point determined by Verizon. The NID contains an FCC Part 68 registered jack from which inside wire may be connected to Verizon's network. The point of demarcation between the End-User's inside wiring and Verizon's facilities.

North American Numbering Plan (NANP)

The system of telephone numbering employed in the United States, Canada, Bermuda, Puerto Rico and certain Caribbean islands that employ NPA 809. The format is a 10-digit number that consist of a 3-digit NPA Code (commonly referred to as area code), followed by a 3-digit NXX code and 4 digit line number.

Numbering Plan Area (NPA)

Also sometimes referred to as an area code, is the three-digit indicator which is defined by the "A", "B", and "C" 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" or "SAC Code" is typically associated with a specialized telecommunications service that may be provided across multiple geographic NPA areas. 500, 700, 800, 888 and 900 are examples of Non-Geographic NPAs.

NXX, NXX Code, Central Office Code or CO Code

The three-digit switch entity indicator which is defined by the "D", "E", and "F" digits of a 10-digit telephone number within the NANP. Each NXX Code contains 10,000 station numbers. It is the first three digits of a seven-digit telephone number.

Owner or Operator

As used in OSHA regulations, owner is the legal entity, including a lessee, which exercises control over management and record keeping functions relating to a building or facility. As used in the Resource Conservation and Recovery Act (RCRA), operator means the person responsible for the overall (or part of the) operations of a facility (see reference in Article II, Section 2.2).

Party/Parties

Verizon and/or Interloop.

Provider

Verizon or Interloop depending on the context and which Party is providing the service to the other Party.

Public Safety Answering Point (PSAP)

An answering location for 9-1-1 calls originating in a given area. A PSAP may be designated as Primary or Secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first; Secondary PSAPs receive calls on a transfer basis only, and generally serve as a *centralized answering location for a particular type of emergency call*. PSAPs are staffed by employees of Emergency Response Agencies (ERAs) such as police, fire or emergency medical agencies or by employees of a common bureau serving a group of such entities.

Public Switched Telecommunications Network (PSTN)

The worldwide voice telephone network accessible to all those with telephones and access privileges. In the U.S., formerly known as the "Bell System network" or the "AT&T long distance network".

Rate Center

The specific geographic point and corresponding exclusive geographic area that are associated with one or more particular NPA-NXX Codes that have been assigned to a LEC for its provision of Exchange Services. The geographic point is identified by a specific Vertical and Horizontal (V&H) coordinate that is used to calculate distance-sensitive End-User traffic to/from the particular NPA-NXXs associated with the specific Rate Center.

Right-of-way (ROW)

The right to use the land or other property of another Party to place poles, conduits, cables, other structures and equipment, or to provide passage to access such structures and equipment. A ROW may run under, on, or above public or private property (including air space above public or private property) and may include the right to use discrete space in buildings, building complexes, or other locations.

Routing Point

Denotes a location that a LEC has designated on its network as the *homing (routing) point for traffic that terminates to Exchange Services provided by the LEC that bear a certain NPA-NXX designation*. The Routing Point is used to calculate airline mileage for the distance-sensitive transport element charges of

Switched Access Services. Pursuant to Telcordia Technologies Practice BR795-100-100, the Routing Point may be an end office location, or a "LEC Consortium Point of Interconnection." The Routing Point must be in the same LATA as the associated NPA-NXX.

Service Control Point (SCP)

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

Service Switching Point (SSP)

A Signaling Point that can launch queries to databases and receive/interpret responses used to provide specific Customer services.

Shared Transport

The physical interoffice facility not dedicated to any one Customer, which is used to transport a call between switching offices. A central office switch translates the End-User dialed digits and routes the call over a Common Transport Trunk Group that rides interoffice transmission facilities. These trunk groups and the associated interoffice transmission facilities are accessible by any End-User (Verizon End-User or Interloop End-User when Interloop has purchased unbundled local switching), and are referred to as "shared transport facilities".

Signaling Point (SP)

A node in the CCS network that originates and/or receives signaling messages, or transfers signaling messages from one signaling link to another, or both.

Signaling System 7 (SS7)

The signaling protocol, Version 7, of the CCS network, based upon American National Standards Institute (ANSI) standards.

Signal Transfer Point (STP)

A packet switch in the CCS network that is used to route signaling messages among SSPs, SCPs and other STPs in order to set up calls and to query databases for advanced services. Verizon's network includes mated pairs of local and regional STPs. STPs are provided in pairs for redundancy. Verizon STPs conform to ANSI T1.111-8 standards. It provides SS7 Network Access and performs SS7 message routing and screening.

Subsidiary

A corporation or other legal entity that is majority owned by a Party.

Subsequent Service Order

Applied to LSRs requesting a service change to an existing unbundled account (no CLEC transfer). For disconnect-only LSRs, no NRC will be applied.

Synchronous Optical Network (SONET)

Synchronous electrical (STS) or optical channel (OC) connections between LECs.

Switched Exchange Access Service

The offering of facilities for the purpose of the origination or termination of traffic to or from Exchange Service Customers in a given area pursuant to a switched access tariff. Switched Access Services including but not limited to: Feature Group A, Feature Group B, Feature Group C, Feature Group D, 500, 700, 800, 888 and 900 access services.

Tandem Office Switches

Switches that are Class 4 switches which are used to connect and switch trunk circuits between and among central office switches.

Telcordia Technologies

Formally known as BellCore, a wholly owned subsidiary of Science Applications International Corporation (SAIC). The organization conducts research and development projects for its owners, including development of new Telecommunications Services. Telcordia Technologies also provides certain centralized technical and management services for the regional holding companies and also provides generic requirements for the telecommunications industry for products, services and technologies.

Telecommunications Services

The offering of telecommunications for a fee directly to the public, or to such classes of users as to be effectively available directly to the public, regardless of the facilities used.

Telephone Exchange Service

(1) Service within a telephone exchange, or within a connected system of telephone exchanges within the same exchange area operated to furnish to subscribers intercommunicating service of the character ordinarily furnished by a single exchange, and which is covered by the exchange service charge; or (2) comparable service provided through a system of switches, transmission equipment, or other facilities (or combination thereof) by which a subscriber can originate and terminate a telecommunications service.

Third Party Contamination

Environmental pollution that is not generated by the LEC or Interloop but results from off-site activities impacting a facility.

Transfer of Service

A charge applied to LSR's that involve account changes (e.g., CLEC to CLEC transfers, DA & CPE billing changes on Unbundled Ports).

Trunk Side

Refers to a Central Office Switch connection that is capable of, and has been programmed to treat the circuit as, connecting to another switching entity, for example, to another Central Office Switch. Trunk side connections offer those transmission and signaling features appropriate for the connection of switching entities and cannot be used for the direct connection of ordinary telephone station sets.

Unbundled Network Element (UNE)

Generally a facility or equipment used in the provision of a Telecommunications Service. Specific references to UNEs contained throughout this Agreement shall be to the network elements that are to be unbundled pursuant to the UNE Attachment.

Undefined Terms

Terms that may appear in this Agreement which are not defined. Parties acknowledge and agree that any such terms shall be construed in accordance with customary usage in the telecommunications industry as of the effective date of this Agreement.

Vertical Features (including CLASS Features)

Vertical services and switch functionalities provided to Verizon's retail customers, including but not limited to: Automatic Call Back; Automatic Recall; Call Forwarding Busy Line/Don't Answer; Call Forwarding Don't Answer; Call Forwarding Variable; Call Forwarding - Busy Line; Call Trace; Call Waiting; Call Number Delivery Blocking Per Call; Calling Number Blocking Per Line; Cancel Call Waiting; Distinctive Ringing/Call Waiting; Incoming Call Line Identification Delivery; Selective Call Forward; Selective Call Rejection; Speed Calling; and Three Way Calling/Call Transfer.

Wire Center

A building or space within a building that serves as an aggregation point on a LEC's network, where transmission facilities and circuits are connected or switched. Wire Center can also denote a building in which one or more Central Offices, used for the provision of Exchange Services and Exchange Access Services, are located.

INTERCONNECTION ATTACHMENT

1. General.

This Interconnection Attachment (Attachment) together with Articles I and II, sets forth the terms and conditions under which Verizon and Interloop will interconnect their networks for the transmission and mutual exchange of telephone exchange and exchange access traffic. This Attachment governs the provision and compensation of internetwork facilities (i.e., physical interconnection services and facilities), switched transport, and switched termination for Local, IntraLATA Toll, and optional EAS traffic. This Attachment also sets forth the terms and conditions under which Verizon and Interloop will provide the Meet-Point Billing (MPB) of jointly provided Interexchange Carrier (IXC) access between Verizon and Interloop. The interconnection services and facilities described in this Attachment shall be referred to herein collectively as "Services" and individually as "Service."

2. Service Arrangements Provided Under this Attachment.

2.1 Transport and Termination of Traffic.

The Parties shall reciprocally terminate Local, IntraLATA Toll, and optional EAS traffic (or other traffic the Parties agree to exchange) originating on each other's networks utilizing either Direct or Indirect Network Interconnections as provided herein in Section 2.3 or Section 2.5, respectively. To this end, the Parties agree that there will be interoperability between their networks. The Parties agree to exchange traffic associated with third party ILECs, CLECs and Wireless Service Providers pursuant to the compensation arrangement specified in Section 5.5 herein. In addition, the Parties will notify each other of any anticipated change in traffic to be exchanged (e.g., traffic type, volume).

2.2 Tandem Switched Traffic.

The Parties will provide tandem switching for traffic between the Parties' end offices subtending each other's tandem, as well as for traffic between either Party's Customers and any third party which is interconnected to the other Party's tandems.

2.3 Direct Network Interconnection.

Interloop may interconnect with Verizon on its network at any of the minimum points required by the FCC that are Currently Available in Verizon's existing network. Interconnection at additional points will be reviewed on an individual case basis. Where the Parties mutually agree to directly interconnect their respective networks, interconnection will be as specified in the following subsections. Based on the configuration, the installation time line will vary considerably, however, Verizon will work with Interloop in all circumstances to install network interconnections within one hundred twenty (120) calendar days absent extenuating circumstances. Internetwork connection and protocol must be based on industry standards developed consistent with Section 256 of the Act.

2.3.1. Subject to mutual agreement, the Parties may use the following types of network facility interconnection, using such interface media as are (i) appropriate to support the type of interconnection requested and (ii) available at the facility at which interconnection is requested.

2.3.1.1 A Mid-Span Fiber Meet within an existing Verizon exchange area whereby the Parties mutually agree to jointly plan and engineer their facility interconnection location. The Interconnection Point (IP) is the

demarcation between ownership of the fiber transmission facility. Each Party is individually responsible for its incurred costs in establishing this arrangement.

2.3.1.2 A collocation arrangement at a Verizon Wire Center subject to the rates, terms, and conditions contained in Verizon's applicable tariffs, except as provided in the Collocation Attachment.

2.3.1.3 A special access arrangement terminating at a Verizon Wire Center subject to the rates, terms, and conditions contained in Verizon's applicable tariffs. These facilities will meet the standards set forth in such tariffs.

2.3.2 The Parties will mutually designate at least one Interconnection Point (IP) on Verizon's network within each tandem serving area for the exchange of Local Traffic.

2.4 Trunking Requirements.

In accordance with Article I, Section 3.4, it will be necessary for the Parties to have met and agreed on trunking availability and requirements in order for the Parties to begin exchange of traffic.

2.4.1 Switching Center Trunking. The Parties agree to establish trunk groups of sufficient capacity from the interconnecting facilities such that trunking is available to any switching center designated by either Party, including end offices, tandems, 911 routing switches, and directory assistance/operator service switches. The Parties will mutually agree where one-way or two-way trunking will be available. The Parties may use two-way trunks for delivery of Local Traffic or either Party may elect to provision its own one-way trunks for delivery of Local Traffic to the other Party. If a Party elects to provision its own one-way trunks, that Party will be responsible for its own expenses associated with the trunks.

2.4.2 CLEC End-User Trunking. Interloop shall make available to Verizon trunks over which Verizon shall terminate to Customers of Interloop-provided Exchange Services, Local Traffic, intraLATA toll or optional EAS traffic originated from Customers of Verizon-provided Exchange Service.

2.4.3 Traffic Trunking. Interloop and Verizon shall, where applicable, make reciprocally available, by mutual agreement, the required trunk groups to handle different traffic types. Interloop and Verizon will support the provisioning of trunk groups that carry combined or separate Local Traffic, intraLATA toll and optional EAS traffic. Verizon requires separate trunk groups from Interloop to originate and terminate exchange access traffic used to provide Switched Access Service to IXCs. To the extent Interloop desires to have any IXCs originate or terminate switched access traffic to or from Interloop, using jointly provided switched access facilities routed through a Verizon access tandem, it is the responsibility of Interloop to arrange for such IXC to issue an Access Service Request ("ASR") to Verizon to direct Verizon to route the traffic. If Verizon does not receive an ASR from the IXC, Verizon will initially route the switched access traffic between the IXC and Interloop. If the IXC subsequently indicates that it does not want the traffic routed to or from Interloop, Verizon will not route the traffic.

2.4.3.1 Each Party agrees to route traffic only over the proper jurisdictional trunk group.

2.4.3.2 Each Party shall only deliver traffic over the local interconnection trunk groups to the other Party's tandem for those publicly-dialable NXX Codes served by end offices that directly subtend the tandem or to those wireless service providers that directly subtend the tandem.

2.4.3.3 Neither Party shall route Switched Access Service traffic over local interconnection trunks, or Local Traffic over Switched Access Service trunks.

2.4.4 End-Office Trunking. The Parties will work together to establish high usage end-office trunk groups sufficient to handle the greater of the actual or reasonably forecasted traffic volumes between a Interloop end office and a Verizon end office.

2.5 Indirect Network Interconnection.

The Parties agree that to the extent they exchange traffic through a third party's tandem, compensation arrangements will be established between the Parties in accordance with Section 5.4 below.

2.6 Local Number Portability (LNP).

2.6.1 Local Number Portability shall be provided by both Parties for the purposes of facilitating end-user customer movement, between the Parties, with retention of the current telephone numbers. LNP shall mean the database methodology deployed nationwide through the Number Portability Administration Centers/Service Management Systems (NPAC/SMS). The Parties shall provide Local Number Portability in accordance with the applicable federal and state law, regulatory order, and applicable industry standards. In addition, both Parties will exchange pertinent information on their respective procedures for ordering, provisioning, billing and maintaining LNP services.

2.6.2 Prior to utilizing LNP, Interloop agrees to establish meet point trunking to the access tandem subtended by the porting NPA-NXX code for terminating feature group D (FGD) switched access traffic, as set forth in the Local Exchange Routing Guide (LERG). See Section 2.7, below.

2.6.3 Both Parties acknowledge that each can determine LNP-capable serving central offices (offices) through the Local Exchange Routing Guide. In addition, either Party will make available to the other Party, upon request, information showing their respective LNP-capable offices and offices not LNP-capable but currently having LNP capability deployed. In addition, Interloop acknowledges that Verizon has deployed LNP across its network in compliance with the FCC mandate (FCC 96-286, et al.). If either Party desires to have LNP capability deployed by the other Party in an office not LNP-capable, the first Party will issue a Bona Fide Request (BFR) to the other Party. The Party receiving the BFR will respond to the requesting Party and proceed to implement LNP capability in compliance with the procedures and timelines set forth in FCC 96-286, Paragraph 80 and FCC 97-74, Paragraphs 65 through 67.

2.6.4 In the event that either Party wishes to serve end user customers currently assigned to an office of the other Party that is not LNP-capable, the other Party shall make Interim Number Portability (INP) available to the first Party. INP will be provided by remote call forwarding (RCF) and/or direct inward dialing (DID) technology, which will forward terminating calls from the other Party's (Old

Service Provider) office to the new customer-serving Party's (New Service Provider) office. The New Service Provider Party shall provide the Old Service Provider Party with a "forward-to" number that has been assigned to New Service Provider Party for the subject Rate Center of the Old Service Provider.

2.6.4.1 Applicable rates for INP are set forth for both Parties in Attachment B to this Agreement.

2.6.4.2 Any Party wishing to use DID to provide for INP must request a dedicated trunk group from the Office where the DID numbers are currently served to the new serving office. If there are no existing facilities between the respective offices, the dedicated facilities and transport trunks will be provisioned as unbundled service through the ASR provisioning process. The requesting party will reroute the DID numbers to the pre-positioned trunk group using the LSR provisioning process. DID trunk rates are contained in the Parties' respective tariffs.

2.6.4.3 The Parties Agree that, per FCC 98-275, Paragraph 16, effective upon the date LNP is available at an office that serves end user customers through INP, no further orders will be accepted for new INP at that office. Orders for new INP received prior to that date, and change orders for existing INP, shall be worked by the receiving Party. Existing INP will be grandfathered, subject to Section 2.6.4.4 and 2.6.4.5, below.

2.6.4.4 Upon LNP availability at an office that serves end user customers through INP, all INP-served end-user customers will be converted to LNP. The Parties shall convert all INP-served end user customers to LNP within ninety (90) calendar days of the date LNP is available, unless otherwise agreed to by the Parties.

2.6.4.5 Upon the end of the ninety (90)-calendar day conversion period, or upon the completion of INP to LNP conversion, whichever comes first, rates for INP, as set forth in Attachment B, shall terminate for that office. In the event that INP-served end-user customers remain in that office after the ninety (90)-day conversion period has ended, the Party receiving the INP functionality for its end-user customers shall pay the other Party the applicable tariffed rate for Remote Call Forwarding Service, unless otherwise agreed-to by the Parties.

2.7 Meet-Point Billing (MPB). The Parties may mutually establish MPB arrangements in order to provide Switched Access Services to Access Service Customers via a Verizon access tandem in accordance with the MPB guidelines adopted by and contained in the Ordering and Billing Forum's MECAB and MECOD documents, except as modified herein.

3. Operations Matters.

3.1 Service Ordering.

Interloop initiates orders to establish, add, change or disconnect trunk-side interconnection services by sending an ASR to Verizon. Interloop should submit ASRs to Verizon through on-line applications or electronic files. Interloop will order services for INP and LNP by sending a LSR to Verizon. Interloop should submit LSRs to Verizon through an electronic interface or via facsimile (fax). The ordering process is described in the GTE Guide. The ASR and/or LSR will be reviewed by Verizon for validation and

correction of errors. Errors will be referred back to Interloop. Interloop then will correct any errors that Verizon has identified and resubmit the request to Verizon electronically through a supplemental ASR/LSR.

3.2 Trunk Provisioning.

- 3.2.1 Trunk Connections. Reciprocal traffic exchange arrangement trunk connections shall be made at a DS1 or multiple DS-1 level, DS-3, or where technically available, Synchronous Optical Network ("SONET"), and shall be jointly-engineered to the appropriate industry grade of service standard such that the overall probability of call blockage does not exceed B.01.
- 3.2.2 Grooming. Interloop and Verizon agree to use diligent efforts to develop and agree on a Joint Interconnection Grooming Plan prescribing standards to ensure that the reciprocal traffic exchange arrangement trunk groups are maintained at the appropriate industry grades of service standard B.01 (end office connection) or B.005 (tandem connection). Such plan shall also include mutually-agreed upon default standards for the configuration of all segregated trunk groups.
- 3.2.3 Signaling. SS7 Common Channel Signaling will be used to the extent that such technology is available. If SS7 is not available, Multi-Frequency Signaling (MF) will be used as specified.
- 3.2.4 ESF Facilities. The Parties agree to offer and provide to each other B8ZS Extended Superframe Format (ESF) facilities, where available, capable of voice and data traffic transmission.
- 3.2.5 64kbps Channel. The Parties will support intercompany 64kbps clear channel where available.
- 3.2.6 Direct Trunking. In the event the traffic volume between any two end office switches at any time exceeds the CCS busy hour equivalent of one DS-1, the originating Party will establish new direct trunk groups to the applicable end office switch(es).

3.3 Trunk Forecasting.

- 3.3.1 Joint Forecasting. The Parties will develop joint forecasting of trunk groups in accordance with Article I, Section 3.3. Intercompany forecast information must be provided by the Parties to each other twice a year. The semi-annual forecasts will include:
- 3.3.1.1 yearly forecasted trunk quantities for no less than a two-year period (current year, plus one year); and
- 3.3.1.2 the use of (i) CLCI• MSG codes, which are described in Telcordia Technologies document BR 795-100-100; (ii) circuit identifier codes as described in BR 795-400-100; and (iii) Trunk Group Serial Number (TGSN) as described in BR 751-100-195.
- 3.3.2 Major Network Projects. Description of major network projects that affect the other Party will be provided with the semi-annual forecasts provided pursuant to Section 3.3.1. Major network projects include but are not limited to trunking or network rearrangements, shifts in anticipated traffic patterns, or other activities by either Party that are reflected by a significant increase or decrease in trunking

demand for the following forecasting period.

3.3.3 Forecast Reviews. Parties will meet to review and reconcile their forecasts if their respective forecasts differ significantly from one another.

3.3.4 Trunk Facility Underutilization. At least once a year the Parties shall exchange trunk group measurement reports for trunk groups terminating to the other Party's network. In addition and from time to time, each Party will determine the required trunks for each of the other Party's trunk groups from the previous 12 months servicing data. Required trunks will be based on the appropriate grade of service standard (B.01 or B.005) or the Joint Interconnection Grooming Plan referenced in Section 3.2.2. When a condition of excess capacity is identified, Verizon will facilitate a review of the trunk group existing and near term (3 to 6 months) traffic requirements with the Customer for possible network efficiency adjustment.

3.4 Network Redesigns Initiated by Verizon.

Verizon will not charge Interloop when Verizon initiates its own network redesigns/reconfigurations.

3.5 Routing Points.

When Interloop submits an ASR requesting trunks for the exchange of Interloop traffic, the ASR must reflect the NPA/NXX(s) associated with the trunks being ordered. Unless specified on the Additional NXX Code Opening form, subsequent NXXs of Interloop will be routed in the same manner as the initial NXXs.

3.6 Common Channel Signaling.

3.6.1 Service Description. The Parties will provide Common Channel Signaling (CCS) to one another via SS7 network interconnection, where and as available, in the manner specified in FCC Order 95-187, in conjunction with all traffic exchange trunk groups. SS7 signaling and transport services shall be provided by Verizon in accordance with the terms and conditions of this Section 3.6. The Parties will cooperate on the exchange of all appropriate SS7 messages for local and intraLATA call set-up signaling, including ISDN User Part ("ISUP") and Transaction Capabilities Application Part ("TCAP") messages to facilitate full interoperability of all CLASS Features and functions between their respective networks. Any other SS7 message services to be provided using TCAP messages (such as database queries) will be jointly negotiated and agreed upon.

3.6.2 Signaling Parameters. All SS7 signaling parameters will be provided in conjunction with traffic exchange trunk groups, where and as available. These parameters include Automatic Number Identification ("ANI"), Calling Party Number ("CPN"), Privacy Indicator, calling party category information, originating line information, charge number, etc. Also included are all parameters relating to network signaling information, such as Carrier Information Parameter ("CIP"), wherever such information is needed for call routing or billing. Verizon will provide SS7 via GR-394-SS7 and/or GR-317-SS7 format(s).

3.6.3 Privacy Indicators. Each Party will honor all privacy indicators as required under applicable law.

3.6.4 Connection Through Signal Transfer Point (STP). Interloop must interconnect

with the Verizon STP(s) serving the LATA in which the traffic exchange trunk groups are interconnected. Additionally, all interconnection to Verizon's 800/888 database and Verizon's Line Information Data Base (LIDB) shall, consistent with this section, take place only through appropriate STP pairs.

3.6.5 Third Party Signaling Providers. Interloop may choose a third-party SS7 signaling provider to transport messages to and from the Verizon SS7 network. In that event, that third party provider must present a letter of agency to Verizon, prior to the testing of the interconnection, authorizing the third party to act on behalf of Interloop in transporting SS7 messages to and from Verizon. The third-party provider must interconnect with the Verizon STP(s) serving the LATA in which the traffic exchange trunk groups are interconnected.

3.6.6 MultiFrequency Signaling. In the case where CCS is not available, in band Multi-Frequency (MF), wink start, and E & M channel associated signaling with ANI will be provided by the Parties. Network signaling information, such as CIC/OZZ, will be provided wherever such information is needed for call routing or billing.

3.7 Network Management Controls.

Each Party shall provide a 24-hour contact number for Network Traffic Management issues to the other's network surveillance management center. A fax number must also be provided to facilitate event notifications for planned mass calling events. Additionally, both Parties agree that they shall work cooperatively that all such events shall attempt to be conducted in such a manner as to avoid degradation or loss of service to other Customers. Each Party shall maintain the capability of respectively implementing basic protective controls such as "Cancel To" and "Call Gap."

4. Technical/Regulatory Requirements and Restrictions.

4.1 Interconnection Calling Scopes.

4.1.1 Verizon Tandem Interconnection calling scope (terminating usage from Interloop) is to those Verizon end offices which subtend the Verizon tandem to which the connection is made except as provided for in Section 4.2.

4.1.2 Verizon End Office Interconnection calling scope (terminating usage from Interloop) is only to the end office and its remotes to which the connection is made.

4.2 Inter-Tandem Switching.

The Parties will only use inter-tandem switching for the transport and termination of Local Traffic, optional EAS and IntraLATA Toll originating on each other's network at and after such time as the Parties have agreed to and fully implemented generally accepted industry signaling standards and Automated Message Accounting ("AMA") record standards which shall support the recognition of multiple tandem switching events.

4.3 Number Resources.

4.3.1 Number Assignment. Nothing in this Agreement shall be construed to, in any manner, limit or otherwise adversely impact Interloop's right to employ or to request and be assigned any NANP number resources including, but not limited to, Central Office (NXX) Codes pursuant to the Central Office Code Assignment Guidelines. Any request for numbering resources by Interloop shall be made

directly to the NANP Number Plan Administrator. Verizon shall not be responsible for the requesting or assignment of number resources to Interloop. The Parties agree that disputes arising from numbering assignment shall be resolved by the NANP Number Plan Administrator. Interloop shall not request number resources to be assigned to any Verizon switching entity.

4.3.2 Numbering/Dialing Arrangement Changes. Each Party shall be responsible for notifying its Customers of any changes in numbering or dialing arrangements to include changes such as the introduction of new NPAs or new NXX codes. Each Party is responsible for administering NXX codes assigned to it.

4.4 Rate Centers.

For purposes of compensation between the Parties and the ability of the Parties to appropriately apply their toll rates to their end-user Customers, Interloop shall adopt the Rate Center areas and Rate Center points that the Commission has approved for the ILECs and, unless otherwise ordered by the Commission, shall assign whole NPA-NXX codes to each Rate Center within which Interloop is providing Local Exchange Service.

4.5 Code and Numbers Administration.

The Parties will comply with code administration requirements as prescribed by the FCC, the Commission, and accepted industry guidelines.

4.6 Programming Switches.

It shall be the responsibility of each Party to program and update its own switches and network systems pursuant to information provided on ASRs as well as the Local Exchange Routing Guide ("LERG") to recognize and route traffic to the other Party's assigned NXX codes. Neither Party shall impose any fees or charges whatsoever on the other Party for such activities.

4.7 Maintenance of Tariffs.

Interloop and Verizon will use diligent efforts, individually and collectively, to maintain provisions in their respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association (NECA) Tariff No. 4, or any successor tariff, sufficient to reflect any Meet-Point Billing arrangement between the Parties entered into pursuant to this Agreement, including MPB percentages.

5. Financial Matters.

5.1 Rates and Charges.

The receiving Party agrees to pay to providing Party the rates and charges for the Services described in the applicable Appendices to this Attachment, which constitutes part of this Agreement. Rates and charges for transport and termination of traffic are set forth in Appendix A attached to this Attachment and made a part of this Agreement. Rates and charges for INP using RCF are set forth in Appendix B attached to this Attachment and made a part of this Agreement.

5.2 Billing.

The providing Party shall render to receiving Party a bill for interconnection services on a current basis. Charges for physical facilities and other non-usage sensitive charges shall

be billed in advance, except for charges and credits associated with the initial or final bills. Usage sensitive charges, such as charges for termination of Local Traffic, shall be billed in arrears.

5.3 Billing Specifications.

The Parties agree that billing requirements and outputs will be consistent with the Telcordia Technologies Billing Output Specifications (BOS).

- 5.3.1 Usage measurement for calls shall begin when Answer Supervision or equivalent SS7 message is received from the terminating office and shall end at the time of call disconnect by the calling or called subscriber, whichever occurs first.
- 5.3.2 Minutes of use ("MOU"), or fractions thereof, shall not be rounded upward on a per-call basis, but will be accumulated over the billing period. At the end of the billing period, any remaining fraction shall be rounded up to the nearest whole minute to arrive at total billable minutes for each interconnection. MOU shall be collected and measured in minutes, seconds, and tenths of seconds.
- 5.3.3 In the event detailed billing records are not available (e.g. indirect interconnection), summary billing reports may be utilized.

5.4 Compensation For Exchange Of Traffic.

- 5.4.1 **Mutual Compensation.** The Parties shall compensate each other for the exchange of Local Traffic originated by or terminating to the Parties' Customers in accordance with Section 5.4 . The Parties agree to the initial state level exempt factor representative of the share of traffic exempt from local compensation. This initial exempt factor is set forth in Appendix A. This factor will be updated quarterly in like manner or as the Parties otherwise agree. Once the traffic that is exempt from local compensation can be measured, the actual exempt traffic will be used rather than the above factor. Charges for the transport and termination of optional EAS, intraLATA toll and interexchange traffic shall be in accordance with the Parties' respective intrastate or interstate access tariffs, as appropriate.
- 5.4.2 **PLU Factors.** Interloop and Verizon will reciprocally provide Percent Local Usage ("PLU") factors to each other on a semi-annual basis to identify the proper percent of Local Traffic carried on local interconnection trunks. PLU's shall be reported in whole numbers only. If either Party does not provide to the other Party an updated PLU, the previous PLU will be utilized. The Parties agree to the initial PLU factor as set forth in Appendix A.
- 5.4.3 **Bill-and-Keep.** The Parties shall assume that Local Traffic originated by or terminating to the Parties' Customers is roughly balanced between the Parties unless traffic studies indicate otherwise. Accordingly, the Parties agree to use a Bill-and-Keep Arrangement with respect to termination of Local Traffic only. Either Party may request, pursuant to Article II, Section 5.11, that a traffic study be performed no more frequently than once a quarter. Should such traffic study indicate, in the aggregate, that either Party is terminating more than sixty (60) percent of the Parties' total terminated minutes for Local Traffic, either Party may notify the other that mutual compensation will commence on a going forward basis pursuant to the rates set forth in Appendix A and following such notice it shall begin and continue for the duration of the Term of this Agreement unless otherwise agreed. Nothing in Section 5.4 shall be interpreted to (i) change

compensation set forth in this Agreement for traffic or services other than Local Traffic, including but not limited to internetwork facilities, access traffic or wireless traffic, or (ii) allow either Party to aggregate traffic other than Local Traffic for the purpose of compensation under the Bill-and-Keep Arrangement described in this Section.

5.4.4 Compensation for Terminating Access Charges on Calls to Ported Numbers via RCF. The Parties agree that a meet point billing arrangement will be used to bill for terminating switched access charges associated with calls terminated to a ported number. Each Party will bill the IXCs applicable switched access rate elements for functions provided over each respective Party's facilities. The Parties will follow any industry standards established for call record exchanges for meet point billing. Until industry standards for call record exchanges are established for interim number portability, the Parties agree that switched access termination to a ported number will be billed by the Party providing interim number portability and that the Party billing the switched access will share the switched access revenue with the other Party. The Party providing interim number portability is entitled to keep the portion of collected access revenue associated with tandem switching, transport, and residual/transport interconnection charge rate elements, as applicable. The Party terminating ported calls is entitled to receive the portion of collected access revenue associated with the end office switching rate elements. As part of this revenue sharing arrangement, the Parties agree to compensate each other as specified in Appendix B.

5.4.4.1 As part of the revenue sharing arrangement described in Section 5.4.4 the number of lines per ported number that are subject to compensation will be determined at the time the Customer's local service is changed from one Party to the other. The number of lines per ported number eligible for the shared revenue arrangement described in this section will be limited to the number of lines in service on the date of conversion plus a 10% growth margin. After conversion the number of lines per ported number available for compensation can only be increased by mutual consent of the Parties.

5.4.4.2 As part of the revenue sharing arrangement described in Section 5.4.4 the Parties agree that the compensation rates may change as a result of changes in access rates, traffic volume or for other reasons and agree to renegotiate the rates if a significant event occurs. At a minimum, the Parties agree to reevaluate the rates on an annual basis.

5.4.4.3 The Parties agree that terminating switched access calls ported via interim number portability may appear to the receiving Party to be a local call and that the implementation of reciprocal compensation for terminating local calls may result in overcompensation for ported switched access calls. The Parties agree that no charges shall be applied to the ported switched access calls as part of the local traffic termination. When the access revenue sharing arrangement described in Section 5.4.4 is in effect, the Parties agree to renegotiate the terminating shared access compensation rates if reciprocal compensation for local calls is implemented.

5.4.4.4 As part of the revenue sharing arrangement described in Section 5.4.4 the Party receiving the payments on a per line per month basis agrees to provide the following information on its invoice; name of the end user accounts; the ported telephone numbers; the telephone numbers

assigned to the lines in its switch; the INP methods used; class of service; and dates of initial installation and disconnects.

5.4.4.5 Upon implementation of permanent local number portability, the Parties agree to transition all interim number portability Customers and their services to permanent local number portability methods within a mutually agreed upon time frame and discontinue use of further interim methods of number portability.

5.5 Tandem Switched Traffic.

The Parties shall compensate each other for tandem switched traffic as follows:

5.5.1 Compensation Arrangements. The originating Party will compensate the tandem Party for each minute of originated tandem switched traffic which terminates to a third party (e.g., other CLEC, ILEC, or wireless service provider). The applicable rate for this charge is the tandem transiting charge identified in Appendix A. The originating Party also assumes responsibility for compensation to the company which terminates the call.

5.5.2 Third-Party Providers. The Parties agree to enter into their own agreements with third-party providers. In the event that Interloop sends traffic through Verizon's network to a third-party provider with whom Interloop does not have a traffic interexchange agreement, then Interloop agrees to indemnify Verizon for any termination charges rendered by a third-party provider for such traffic.

5.6 Compensation for Internetwork Facilities.

The Parties agree to the following compensation for internetwork facilities, depending on facility type. Only Local Traffic and IntraLATA Toll Traffic will be used for calculation of this compensation.

5.6.1 Mid-Span Fiber Meet. Verizon will charge special access (flat rated) transport from the applicable intrastate access tariff and will rate charges between the IP and Verizon's interconnection switch. Subject to mutual agreement of the Parties, the Parties may agree to interconnect utilizing alternative interconnection arrangements, e.g., Optical Networking or MetroLAN. DS1 facility charges will be reduced to reflect the proportionate share of the facility that is used for transport of Local Traffic, optional EAS and IntraLATA Toll originated by Verizon. The initial proportionate share factor for facilities is set forth in Appendix A. This factor will be updated quarterly in like manner or as the Parties otherwise agree. Interloop will charge flat rated transport (i.e. non-usage sensitive) to Verizon for Interloop facilities used by Verizon at tariffed rates or as mutually agreed. Interloop will apply charges based on the lesser of; (i) the airline mileage from the IP to the Interloop switch; or (ii) the airline mileage from the Verizon switch to the serving area boundary.

5.6.2 Collocation. Verizon will charge Virtual or Physical EIS rates from the applicable Verizon tariff, unless otherwise specified in this Agreement. Interloop will charge Verizon flat rated transport at tariffed rates or as mutually agreed, to reflect the proportionate share of the facility that is used for transport of Local Traffic, optional EAS and IntraLATA Toll originated by Verizon. Interloop will apply charges based on the lesser of (i) the airline mileage from the IP to the Interloop switch; or (ii) two (2) times the airline mileage from the Verizon switch to the serving area boundary.

5.6.3 Special Access. Verizon will charge special access rates from the applicable Verizon intrastate access tariff. DS1 charges will be reduced to reflect the proportionate share of the facility that is used for transport of Local Traffic, optional EAS and IntraLATA Toll originated by Verizon. The Parties will negotiate an initial factor representative of the proportionate share of the facilities. This factor will be updated quarterly in like manner or as the Parties otherwise agree. Subject to mutual agreement of the Parties, the Parties may agree to interconnect utilizing alternative interconnection arrangements, e.g., Optical Networking or MetroLAN.

5.7 Meet-Point Billing (MPB) and Exchange Access Service.

5.7.1 Billing. As detailed in the MECAB document, Interloop and Verizon will, in a timely fashion, exchange all information necessary to accurately, reliably and promptly bill Access Service Customers for Switched Access Services traffic jointly handled by Interloop and Verizon via the meet-point arrangement. Information shall be exchanged in Exchange Message Interface ("EMI") format, on magnetic tape or via a mutually acceptable Electronic File Transfer protocol.

5.7.1.1 Interloop and Verizon will exchange all information necessary to enable each Party to transmit usage data to the other Party. Subsequent to the exchange of transmission information, the tandem Party, as the subsequent billing company (SBC), will provide the end office Party, as the initial billing company (IBC), detailed Exchange Access usage data (EMI Category 11-01) within thirty (30) calendar days of the end of the billing period. The IBC will perform its responsibilities as defined by MECAB, and will provide to the SBC summary usage data (EMI Category 11-50) within ninety (90) calendar days of the detail recording, or within ten (10) business days after the date that the IBC renders a bill to the IXC(s), whichever date is sooner.

5.7.1.2 Interloop and Verizon shall work cooperatively to coordinate rendering of Meet-Point bills to Customers, and shall reciprocally provide each other usage data and related information at the appropriate charge.

5.7.2 Compensation. Initially, billing to Access Service Customers for the Switched Access Services jointly provided by Interloop and Verizon via the MPB arrangement shall be according to the multiple-bill method as described in the MECAB guidelines. This means each Party will bill the Access Service Customer for the portion of service it provided at the appropriate tariff, or price list.

Subsequently, Interloop and Verizon may mutually agree to implement one of the following options for billing to third parties for the Switched Access Services jointly provided by Interloop and Verizon via the MPB arrangement: single-bill/single tariff method; single-bill/multiple tariff method; or to continue the multiple-bill method. Should either Party prefer to change among these billing methods, that Party shall notify the other Party of such a request in writing, ninety (90) Business Days in advance of the date on which such change is desired to be implemented. Such changes then may be made in accordance with MECAB guidelines and, if the Parties mutually agree, the change will be made.

**APPENDIX A TO THE INTERCONNETON ATTACHMENT
RATES AND CHARGES FOR TRANSPORT AND TERMINATION OF TRAFFIC**

General. The rates contained in this Appendix A are the rates as defined in the Interconnection Attachment and are subject to change resulting from future Commission or other proceedings, including but not limited to any generic proceeding to determine Verizon's unrecovered costs (e.g., historic costs, contribution, undepreciated reserve deficiency, or similar unrecovered Verizon costs (including Verizon's interim Universal Service Support Surcharge)), the establishment of a competitively neutral universal service system, or any appeal or other litigation.

Each Party will bill the other Party as appropriate:

- A. The Local Interconnection rate element that applies to Local Traffic on a minute of use basis that each Party switches for termination purposes at its wire centers. The local interconnection rate is **\$0.0039992**.
- B. The Tandem Switching rate element that applies to tandem routed Local Traffic on a minute of use basis. The tandem switching rate is **\$0.0034880**.
- C. The Common Transport Facility rate element that applies to tandem routed Local Traffic on a per minute/per mile basis. The Common Transport Facility rate is **\$0.0000059**.
- D. The Common Transport Termination element that applies to tandem routed Local Traffic on a per minute/per termination basis. The Common Transport Termination rate is **\$0.0000559**.
- E. The Tandem Transiting Charge is comprised of the following rate elements:

Tandem Switching:	=	\$0.0034880
Tandem Transport (10 mile average): 10 x \$0.0000059	=	\$0.0000590
Transport Termination (2 Terminations): 2 x \$0.0000559	=	\$0.0001110
Transiting Charge:	=	\$0.0036580
- F. Initial Factors:

1. PLU	95%
2. Initial Proportionate Share Factor	50%
3. Exempt Factor	5%

**APPENDIX B TO THE INTERCONNECTION ATTACHMENT
RATES AND CHARGES FOR INTERIM NUMBER PORTABILITY USING RCF**

General. The rates contained in this Appendix B are as defined in the Interconnection Attachment, and are subject to change resulting from future Commission or other proceedings, including but not limited to any generic proceeding to determine Verizon's unrecovered costs (e.g., historic costs, contribution, undepreciated reserve deficiency, or similar unrecovered Verizon costs (including Verizon's interim Universal Service Support Surcharge)), the establishment of a competitively neutral universal service system, or any appeal or other litigation.

Interim Number Portability

Remote Call Forwarding (line/month)	\$ 5.10
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Non-Recurring Charges (NRCs) for Interim Number Portability

CLEC Account Establishment	\$ 166.32
Initial Service Order - Manual	\$ 37.31
Initial Service Order – Semi-Mechanized	\$ 27.65
Initial Service Order – Provisioning	\$ 10.70
Subsequent Service Order - Manual	\$ 23.05
Subsequent Service Order – Semi-Mechanized	\$ 19.65
Subsequent Service Order - Provisioning	\$ 4.91

Custom Handling (Applicable to both INP and LNP)

Service Order Expedite	\$ 3.36
Coordinated Conversion Per Quarter Hour	\$ 30.72
Hot Coordinated Conversion First Hour	\$ 108.57
Hot Coordinated Conversion Per Additional Quarter Hour	\$ 26.97

Application of NRCs

Pre-ordering:

CLEC Account Establishment is a one-time charge applied the first time that Interloop orders any service from this Agreement.

Ordering and Provisioning:

Initial Service Order (ISO) applies per Local Service Request (LSR) if not apart of a Unbundled Network Element (UNE) ISO.

Subsequent Service Order applies per LSR for modifications to an existing LNP service.

Manual Ordering Charge applies to orders that require Verizon to manually enter Interloop's order into Verizon's Secure Integrated Gateway System (SIGS), e.g. faxed orders and orders sent via physical or electronic mail.

Custom Handling (These NRCs are in addition to any Preordering or Ordering and Provisioning NRCs):

Service Order Expedite applies if Interloop requests service prior to the standard due date intervals and if not a part of a UNE Expedite.

Coordinated Conversion applies if Interloop requests notification and coordination of service cut-over prior to the service becoming effective and if not a part of a UNE Coordinated Conversion.

Hot Coordinated Conversion First Hour applies if Interloop requests real-time coordination of a service cut-over that takes one hour or less, and if not a part of a UNE Hot Coordinated Conversion First Hour.

Hot Coordinated Conversion Per Additional Quarter Hour applies, in addition to the Hot Coordinated Conversion First Hour, for every 15-minute segment of real-time coordination of a service cut-over that takes more than one hour, and if not a part of a UNE Hot Coordinated Conversion Per Additional Quarter Hour.

In addition, as defined in the Interconnection Attachment, the Party providing the ported number will pay the other Party the following rate per line per month for each ported business line and the rate per line per month for each ported residential line for the sharing of Access Charges on calls to ported numbers.

Business Rate Per Line Per Month: \$ 3.51

Residential Rate Per Line Per Month: \$ 2.77

RESALE ATTACHMENT

1. General.

This Resale Attachment (Attachment), together with Articles I and II, define the Telecommunication Services (including exchange Services, related Vertical Features and other Services) that may be purchased from Verizon and resold by Interloop (referred to herein collectively as "Services", or each individually as "Service") and sets forth the terms and conditions applicable to such Services. Except as specifically provided otherwise in this Agreement, provisioning of exchange Services for resale will be governed by the GTE Guide. Verizon will make available to Interloop for resale any Telecommunications Service that Verizon currently offers, or may offer hereafter, on a retail basis to Customers that are not telecommunications carriers, except as qualified by Section 3.2.2 below. Verizon will provide resold Services at retail less the avoided cost discount as defined in Section 4.1.1, except as specified in Section 3.2.3. Interloop must have an approved tariff for each Service ordered, as required by the Commission.

2. Services.

2.1 Description of Local Exchange Services.

Resold basic exchange Service includes, but is not limited to, the following elements:

- 2.1.1 Voice Grade Local Exchange Access Line - includes a telephone number and dial tone;
- 2.1.2 Local Calling - at local usage measured rates if applicable to the Customer;
- 2.1.3 Access to long distance carriers;
- 2.1.4 E-911 Emergency Dialing;
- 2.1.5 Access to Operator Assistance and Directory Assistance;
- 2.1.6 Access to Service Access Codes - e.g., 800, 888, 900 – subject to the provisions of 3.4 and 3.8;
- 2.1.7 AIN Services (those Currently Available to Customers);
- 2.1.8 Customer Private Line Services;
- 2.1.9 Listing of telephone number in appropriate "White Pages" directory;
- 2.1.10 Copy of "White Pages" and "Yellow Pages" directories for the appropriate Verizon service area; and
- 2.1.11 IntraLATA toll.

2.2 Other Services Available for Resale.

Subject to the limitations enumerated in this Attachment, the type of Services made available to Interloop are those Telecommunications Services described in Verizon's retail tariffs, as amended from time to time. Any new retail Services that Verizon offers in

such tariffs to Customers who are not telecommunications carriers may also be available to Interloop for resale under the same terms and conditions contained in this Agreement.

2.3 Promotional Offerings.

Verizon shall make available for resale, those promotional offerings that are greater than 90 calendar days in duration and the special promotional rate will be subject to the applicable resale discount. Verizon also shall make available for resale those promotional offerings that are 90 calendar days or less in duration; provided, however, that no resale discount applies to the special promotional rate of such offerings.

2.4 Grandfathered Services.

Services identified in Verizon tariffs as grandfathered in any manner are available for resale only to Customers that already have such grandfathered Service. An existing Customer may not move a grandfathered Service to a new service location. Grandfathered Services are available from existing facilities only, and no new equipment will be purchased to maintain service. No change requests will be accepted for this Service and should any technological component of the Service become obsolete, the Service will be discontinued, subject to the requirements of Applicable Law. Grandfathered Services are subject to a resale discount.

2.5 Operator Services (OS) and Directory Assistance (DA).

OS for local and toll assistance (e.g., call completion, busy line verification and emergency interruption) and DA (e.g., 411 calls) are provided as a part of exchange Services offered for resale. Verizon may brand this Service as Verizon. Interloop will be billed in accordance with Verizon's retail tariff minus an avoided cost discount. If Interloop requests branding or unbranding, Verizon will provide such unbranding or rebranding with Interloop's name using customized routing as described in Section 3.7. For those offices that Interloop has requested Verizon to rebrand and/or unbrand OS and DA, Verizon will provide it where Verizon performs its own OS and DA Service subject to capability and capacity limitations where customized routing is Currently Available. If Verizon uses a third-party contractor to provide OS or DA, Verizon will not provide branding nor will Verizon negotiate it with a third-party on behalf of Interloop. Interloop must negotiate with the third party. In these instances, Interloop will need to purchase customized routing and dedicated trunking to differentiate its OS/DA traffic from Verizon's. Verizon shall include a Interloop Customer listing in its DA database as part of the LSR process. Verizon will honor Interloop Customer's preferences for listing status, including non-published and unlisted, and will enter the listing in the Verizon database which is used to perform DA functions as it appears on the LSR.

2.6 Telephone Relay Service.

Local and intraLATA telephone relay service (TRS) enables deaf, hearing-impaired, or speech-impaired TRS users to reach other telephone users. With respect to resold Services, Interloop's Customers will have access to the state authorized TRS Provider to the extent required by the Commission, including any applicable compensation surcharges.

3. Operations and Administrative Matters.

3.1 Service Ordering, Service Provisioning, and Billing.

- 3.1.1 GTE Guide and CLEC Profile. Interloop will order Services for resale directly from Verizon through an electronic interface or fax. Except as specifically provided otherwise in this Agreement, Service preordering, ordering, provisioning, billing, maintenance and electronic interfaces shall be governed by the GTE Guide. In accordance with Article I, Section 3.1, Verizon will not process resale orders until the Interloop Profile has been completed and returned; and, if required, an advanced deposit paid.
- 3.1.2 Local Service Request. Orders for Services will be placed utilizing standard LSR forms. Verizon will continue to participate in industry forums for developing service order/disconnect order formats and will incorporate appropriate industry standards. Complete and accurate forms (containing the requisite Customer information as described in the GTE Guide) must be provided by Interloop before a request can be processed. Verizon will accept orders for As-Is Transfers (AIT) of Services from Verizon to Interloop where Verizon is the Customer's current local exchange company. Verizon cannot provide CLEC to CLEC AIT.
- 3.1.3 Letter of Authorization (LOA). Verizon will not release the Customer service record (CSR) or inquiry containing Customer proprietary network information (CPNI) to Interloop on Verizon Customer accounts unless Interloop first provides to Verizon a written LOA. Such LOA may be a blanket LOA or other form agreed upon between Verizon and Interloop authorizing the release of such information to Interloop or if state or federal law provides otherwise, in accordance with such law. An LOA will be required before Verizon will process an order for Services provided in cases in which the Customer currently receives local exchange or Exchange Access service from Verizon or from a CLEC other than Interloop.
- 3.1.4 Unauthorized Changes. If a Customer that has been changed to Interloop for local Service notifies Verizon that the change was not authorized, Interloop must provide Verizon with written documentation of authorization from that Customer within thirty (30) Business Days of notification by Verizon. If Interloop cannot provide written documentation of authorization within such time frame, Interloop must within three (3) Business Days thereafter:
- 3.1.4.1 notify Verizon to change the Customer back to the LEC providing Service to the Customer before the change to Interloop was made; and
 - 3.1.4.2 provide any Customer information and billing records Interloop has obtained relating to the Customer to the LEC previously serving the Customer; and
 - 3.1.4.3 notify the Customer and Verizon that the change back to the previous LEC has been made.
- Furthermore, Verizon will bill Interloop fifty dollars (\$50.00) per affected line to compensate Verizon for switching the Customer back to the original LEC.
- 3.1.5 Telephone Number Block Reservations. Interloop may not reserve blocks of Verizon telephone numbers.

3.2 Regulations and Restrictions.

3.2.1 General Regulations. General regulations, terms and conditions governing rate applications, technical parameters, service availability, definitions and feature interactions, as described in the appropriate Verizon intrastate local, toll and access tariffs, apply to retail Services made available by Verizon to Interloop for resale, when appropriate, unless otherwise specified in this Agreement. As applied to Services offered under this Agreement, the term "Customer" contained in the Verizon retail tariff shall be deemed to mean "Interloop" as defined in this Agreement.

3.2.2 Restriction on Resale. The following restrictions shall apply to the resale of retail Services by Interloop:

3.2.2.1 Interloop shall not resell to one class of Customers a Service that is offered by Verizon only to another class of Customers in accordance with state requirements (e.g., R1 to B1, disabled Services or lifeline Services to non-qualifying Customers);

3.2.3 Restrictions on Discount. The discount specified in Section 4.1.1 herein shall apply to all retail Services except for the following:

3.2.3.1 Interloop may resell promotional offerings of 90 calendar days or less in duration; provided, however, no resale discount applies to the special promotional rate.

3.2.3.2 Interloop may resell Services that are provided at a volume discount in accordance with terms and conditions of the applicable tariff. Interloop shall not aggregate Customer lines and/or traffic in order to qualify for volume discount.

3.2.3.3 Interloop may resell ICB/Contract Services without a discount and only to Customers that already have such Services.

3.2.3.4 Interloop may resell special access; however, no discount applies.

3.2.3.5 Interloop may resell lifeline Services and Services for the disabled; however, no discount applies. For all lifeline Services and Services for the disabled ordered, Interloop is responsible for recertifying pursuant to applicable law that the Customer qualifies for these Services.

3.2.4 Resale to Other Carriers. Services available for resale may not be used by Interloop to provide access to the local network as an alternative to tariffed switched and special access by other carriers, including, but not limited to: interexchange carriers, wireless carriers, competitive access providers, or other retail telecommunications providers.

3.3 Maintenance.

Verizon will provide repair and maintenance Services to Interloop and its Customers for resold Services in accordance with the same standards and charges used for such Services provided to Verizon Customers. Verizon will not initiate a maintenance call or take action in response to a trouble report from a Interloop Customer until such time as trouble is reported to Verizon by Interloop. Interloop must provide to Verizon all

Customer information necessary for the installation, repair and servicing of any facilities used for resold Services according to the procedures described in the GTE Guide.

3.4 Information Services Traffic.

Verizon shall route traffic for information services (i.e., 900-976, Internet, weather lines, sports providers, etc.) that originates on its network to the appropriate information service platform. In the event Verizon performs switching of information service provider traffic associated with, Interloop's resold line, Verizon shall provide to Interloop the same call detail records that Verizon records for its own Customers, so as to allow Interloop to bill its Customers. Verizon shall not be responsible or liable to Interloop or the information service provider for billing and collection and/or any receivables of the information service provider.

3.5 Originating Line Number Screening (OLNS).

Upon request, Verizon will update the database to provide OLNS which indicates to an operator the acceptable billing methods for calls originating from the calling number (e.g., penal institutions, COCOTS).

3.6 Misdirected Calls.

The Parties shall provide each other the appropriate numbers to handle any misdirected Customer calls (e.g., business office, repair bureau, etc.) Each party will refer any misdirected calls to the appropriate department on the provided list in an expedient and professional manner.

3.7 Customized Routing.

Where Currently Available and upon receipt of a written request from Interloop, Verizon agrees to provide customized routing for the following types of calls:

- 0-
- 0+Local
- 0+411
- 1+411
- 0+HNPA-555-1212 (intraLATA, only when intraLATA presubscription is not available)
- 1+HNPA-555-1212 (intraLATA, only when intraLATA presubscription is not available).

Upon request, Verizon will provide Interloop a list of switches that can provide customized routing using line class codes or a similar method (regardless of current capacity limitations). Interloop will return a list of these switches ranked in priority order. Verizon will return to Interloop a schedule for customized routing in the switches with existing capabilities and capacity. In response to the written request from Interloop, Verizon will provide Interloop with applicable charges, and terms and conditions, for providing OS and/or DA, branding, and customized routing. Subject to the above provisions, Verizon will choose the method of implementing customized routing of OS and/or DA calls. When Verizon agrees to provide customized routing to Interloop, Interloop will be responsible for the transport to route OS/DA traffic to the designated platform.

3.8 900-976 Call Blocking.

Verizon shall not unilaterally block 900-976 traffic in which Verizon performs switching associated with resale. Verizon will block 900-976 traffic when requested to do so, in writing, by Interloop. Interloop shall be responsible for all costs associated with the 900-976 call blocking request. Verizon reserves the right to block any and all calls which may harm or damage its network.

4. Financial Matters.

4.1 Rates and Charges.

4.1.1 Calculation of Rates. The prices charged to Interloop for local Services shall be calculated as follows:

4.1.1.1 Avoided cost discount as shown in Appendix A shall apply to all retail Services except those Services listed in Sections 3.2.2 and 3.2.3.

4.1.1.2 The discount dollar amount calculated under Section 4.1.1.1 will be deducted from the retail rate.

4.1.1.3 The resulting rate is the resale rate.

4.1.2 Nonrecurring Charges. Interloop shall be responsible for the payment of all nonrecurring charges (NRCs) applicable to resold Services (e.g., installation, changes, ordering charges) as listed in Appendix A. In addition, NRCs for field service work (installation/repair) requiring on-site visits will be charged from the appropriate tariff. No discount applies to nonrecurring charges.

4.1.3 Access. Verizon retains all revenue due from other carriers for access to Verizon facilities, including both switched and special access charges.

4.1.4 Branding. Verizon shall provide to Interloop the applicable charges for unbranding or rebranding and customized routing as set forth in Section 3.7.

4.1.5 State and Federal Mandated Charges. Verizon will bill Interloop for all applicable surcharges, taxes, and End User Common Line (EUCL) charges mandated by state and federal taxing authorities. These charges are not eligible for the avoided cost discount.

4.2 Billing.

4.2.1 General. Verizon will utilize CBSS to produce the required bills for resold Services. CBSS will create a bill to Interloop along with a summary bill master. State or sub-state level billing will include up to thirty (30) summary bill accounts.

All charges for Verizon Services billed by Verizon under tariff or contract will be billed to Interloop. Interloop is responsible for billing and collecting these charges from its Customers.

4.2.2 Alternate Billed Calls. Verizon shall record usage data originating from Interloop Customers that Verizon records with respect to its own retail Customers, using Services ordered by Interloop. On resale accounts, Verizon will provide usage in EMR format per existing file exchange schedules. Incollects are calls that are placed using the Services of Verizon or another LEC and billed to a resale service line of Interloop. Outcollects are calls that are placed using a Interloop resale Service line and billed to a Verizon line or line of another LEC or LSP. Examples of an incollect or an outcollect are collect or credit card calls.

4.2.2.1 Incollects. Verizon will provide the rated record it receives from the CMDS network, or which Verizon records (non-intercompany), to Interloop for billing to Interloop's end users. Verizon will settle with the earning company, and will bill Interloop the amount of each incollect record less the billing and collection (B&C) fee for Customer billing of the incollects. The B&C credit will be \$.05 per billed message. Any additional message processing fees associated with Interloop's incollect messages that are incurred by Verizon will be billed to Interloop on the monthly statement.

4.2.2.2 Outcollects. When the Verizon end-office switch from which the resale line is served utilizes a Verizon operator Services platform, Verizon will provide to Interloop the unrated message detail that originates from a Interloop resale Service line but which is billed to a telephone number other than the originating number (e.g., calling card, bill-to-third number, etc.). Interloop as the LSP will be deemed the earning company and will be responsible for rating the message at Interloop rates and Interloop will be responsible for providing the billing message detail to the billing company for Customer billing. Interloop will pay to Verizon charges as agreed to for Services purchased, and Interloop will be compensated by the billing company for the revenue which Interloop is due.

When a non-Verizon entity provides Operator Services to the Verizon end office from which the resale line is provisioned, Interloop must contract with the Operator Services provider to get any EMR records which Interloop requires.

4.2.3 Local Calling Detail. Except for those Services and in those areas where measured rate local Service is available to Customers, monthly billing to Interloop does not include local calling detail. However, Interloop may request and Verizon shall consider developing the capabilities to provide local calling detail in those areas where measured local Service is not available for a mutually agreeable charge.

4.2.4 LIDB. For resale Services, the LSR will generate updates to Verizon's LIDB for validation of calling card, collect, and third number billed calls.

4.2.5 Timing of Messages. With respect to Verizon resold measured rate local Service(s), chargeable time begins when a connection is established between the calling station and the called station. Chargeable time ends when the calling station "hangs up," thereby releasing the network connection. If the called station "hangs up" but the calling station does not, chargeable time ends when the network connection is released by automatic timing equipment in the network.

**APPENDIX A TO THE RESALE ATTACHMENT
SERVICES AVAILABLE FOR RESALE**

General. The rates for resold services are based upon an avoided cost discount from Verizon's retail rates. The avoided cost discount is based upon Verizon's most current available cost studies and are subject to change resulting from future Commission or other proceedings, including but not limited to any generic proceeding to determine Verizon's unrecovered costs (e.g., historic costs, contribution, undepreciated reserve deficiency, or similar unrecovered Verizon costs (including Verizon's interim Universal Service Support Surcharge)), the establishment of a competitively neutral universal service system, or any appeal or other litigation.

Interim Universal Service Charge. It is Verizon's position that Verizon's current intraLATA toll rates include implicit subsidies that support below-cost prices for other services and thus promote universal service. This universal service support is lost where a CLEC resells Verizon's local service but does not resell Verizon's intraLATA toll service. For this reason, Verizon will not resell basic exchange residential or business services unless Interloop pays the monthly interim universal service support charge set forth in Appendix A. Verizon believes that this interim surcharge is required by state and federal law. The lawfulness of Verizon's interim surcharge is being addressed (or will be addressed) by the Commission or a court of competent jurisdiction. The parties agree that Verizon will offer for resale basic exchange residential and business services at the avoided cost discount rate set forth in Appendix A without the interim surcharge, but subject to the following terms and conditions:

- A. Interloop agrees that within thirty (30) calendar days after the effective date of a Commission or court order affirming Verizon's interim surcharge, Interloop will (i) begin paying the monthly interim surcharge in accord with Appendix A, and (ii) make a lump sum payment to Verizon of the total interim surcharges retroactive to the effective date of this Agreement.
- B. Notwithstanding any provision in this Agreement, Verizon may, at its sole discretion and at any time, seek injunctive or other relief (i) requiring Interloop to pay Verizon's interim surcharge or (ii) requiring the Commission to immediately impose the interim surcharge.
- C. Nothing in this Agreement shall restrict or impair Verizon from seeking injunctive relief or any other remedy at any time and in any court regarding Verizon's interim surcharge or the Commission's rejection or modification of Verizon's interim surcharge.

The avoided cost discount for all services, excluding OS/DA, is 13.04%.

Non-Recurring Charges (NRCs) for Resale Services

Pre-ordering

CLEC Account Establishment Per CLEC	\$ 273.09
Customer Record Search Per Account	\$ 11.69

Ordering and Provisioning

Engineered Initial Service Order (ISO) - New Service	\$ 311.98
Engineered Initial Service Order - As Specified	\$ 123.84
Engineered Subsequent Service Order	\$ 59.61
Non-Engineered Initial Service Order - New Service	\$ 42.50
Non-Engineered Initial Service Order - Changeover	\$ 21.62
Non-Engineered Initial Service Order - As Specified	\$ 82.13

Non-Engineered Subsequent Service Order	\$ 19.55
Central Office Connect	\$ 12.21
Outside Facility Connect	\$ 68.30
Manual Ordering Charge	\$ 12.17

Product Specific

NRCs, other than those for Pre-ordering, Ordering and Provisioning, and Custom Handling as listed in this Appendix, will be charged from the appropriate retail tariff. No discount applies to such NRCs.

Custom Handling

Service Order Expedite:	
Engineered	\$ 35.48
Non-Engineered	\$ 12.59
Coordinated Conversions:	
ISO	\$ 17.76
Central Office Connection	\$ 10.71
Outside Facility Connection	\$ 9.59
Hot Coordinated Conversion First Hour:	
ISO	\$ 30.55
Central Office Connection	\$ 42.83
Outside Facility Connection	\$ 38.34
Hot Coordinated Conversion per Additional Quarter Hour:	
ISO	\$ 6.40
Central Office Connection	\$ 10.71
Outside Facility Connection	\$ 9.59

Application of NRCs

Pre-ordering:

CLEC Account Establishment is a one-time charge applied the first time that Interloop orders any service from this Agreement.

Customer Record Search applies when Interloop requests a summary of the services currently subscribed to by the end-user.

Ordering and Provisioning:

Engineered Initial Service Order - New Service applies per Local Service Request (LSR) when engineering work activity is required to complete the order, e.g. digital loops.

Non-Engineered Initial Service Order - New Service applies per LSR when no engineering work activity is required to complete the order, e.g. analog loops.

Initial Service Order - As Specified (Engineered or Non-Engineered) applies only to Complex Services for services migrating from Verizon to Interloop. Complex Services are services that require a data gathering form or has special instructions.

Non-Engineered Initial Service Order - Changeover applies only to Basic Services for services migrating from Verizon to Interloop. End-user service may remain the same or change.

Central Office Connect applies in addition to the ISO when physical installation is required at the central office.

Outside Facility Connect applies in addition to the ISO when incremental field work is required.

Manual Ordering Charge applies to orders that require Verizon to manually enter Interloop's order into Verizon's Secure Integrated Gateway System (SIGS), e.g. faxed orders and orders sent via physical or electronic mail.

Custom Handling (These NRCs are in addition to any Preordering or Ordering and Provisioning NRCs):

Service Order Expedite (Engineered or Non-Engineered) applies if Interloop requests service prior to the standard due date intervals.

Coordinated Conversion applies if Interloop requests notification and coordination of service cut over prior to the service becoming effective.

Hot Coordinated Conversion First Hour applies if Interloop requests real-time coordination of a service cut-over that takes one hour or less.

Hot Coordinated Conversion Per Additional Quarter Hour applies, in addition to the Hot Coordinated Conversion First Hour, for every 15-minute segment of real-time coordination of a service cut-over that takes more than one hour.

Universal Service Support Surcharge

Residential (per line)	\$.45
Business (per line)	\$.60

UNBUNDLED NETWORK ELEMENTS (UNEs) ATTACHMENT

1. General.

This UNE Attachment (Attachment), together with Articles I and II, sets forth the terms and conditions under which Verizon will provide UNEs and combinations of UNEs (Combinations) to Interloop pursuant to this Agreement. Unless otherwise specified in this Attachment, the ordering, provisioning, billing and maintenance of UNE offerings will be governed by the GTE Guide, found on Verizon's WISE website (<http://www.gte.com/wise>). Verizon will provide UNE offerings pursuant to this Attachment only to the extent they are Currently Available in Verizon's network and on a first come, first serve basis. Verizon will not construct new facilities to offer any UNE or Combinations. Interloop shall not order services from Verizon's resale, retail, or special access tariffs to circumvent or bypass, directly or indirectly, this no construction restriction. For example, except as otherwise expressly permitted pursuant to Applicable Law, Interloop shall not convert services ordered out of such tariffs to UNEs or Combinations.

Notwithstanding anything to the contrary in this Agreement, the Parties do not waive, and hereby expressly reserve, their rights: (a) to challenge, or to continue to challenge, the legality and/or propriety of FCC Rule 51.319, the FCC UNE Remand Order (CC Docket No. 96-98, FCC 99-238 the FCC Line Sharing Order (CC Docket No. 96-98 and 98-147; FCC 99-355) and/or any other related FCC orders or rules, including, without limitation, the FCC Collocation Order in CC Docket No. 98-147 (released March 31, 1999) which was remanded and vacated in part by the United States Court of Appeals for the District of Columbia Circuit on March 17, 2000 (See GTE Service Corporation, et. al v. Federal Communications Commission and United States of America, No. 99-1176, consolidated with No. 99-1201, 2000 U.S. App. LEXIS 4111 (D.C. Cir. 2000)); (b) to continue to prosecute the current appeals of the FCC pricing rules pending before the Eighth Circuit Court of Appeals and the United States Supreme Court; (c) to assert or continue to assert that certain provisions of the FCC's First, Second, Third and Fourth Report and Order in FCC Docket No. 96-98 and other FCC orders or rules are unlawful, illegal and improper; (d) to assert that modifications to this Attachment from a pricing and/or policy standpoint may be necessary to address or account for the use of line sharing for the provision of voice service, including, without limitation, voice over IP or voice over DSL service; and (e) to take any appropriate action based on the outcome of any of the actions or challenges described in subparagraphs (a)-(d) above or any other actions. The Parties enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position the Parties may take on relevant issues before industry fora, state or federal regulatory or legislative bodies, or courts of competent jurisdiction. The provisions of this Section shall survive the termination, rescission, modification or expiration of this Agreement without limit as to time.

The Parties understand that both industry and Verizon standards and processes applicable to UNEs and Combinations, including, without limitation, loop qualification, ordering, provisioning, fully automated OSS interfaces and other facets of OSS, are still being developed. Accordingly, the Parties agree to cooperate in any reasonable arrangement designed to facilitate the development of such standards and processes, and to document the same for purposes of this Agreement, as necessary and appropriate.

The UNEs, including Combinations, hereunder shall only be made available and shall only be used, for the provision of Telecommunication Service, as that term is defined by the Act.

2. Description of Individual UNE Offerings.

Verizon will provide Interloop with the following UNEs pursuant to this Attachment:

2.1 Local Loops.

The local loop UNE is defined as the transmission facility (or channel or group of channels on such facility) that extends from a Main Distribution Frame (MDF), or its equivalent, in a Verizon Central Office Switch or Wire Center up to and including the loop "demarcation point", including inside wire owned by Verizon. The loop demarcation point is that point on the loop facility where Verizon's ownership and control end and the subscriber's ownership and control begin. Generally, loops are provisioned as 2-wire or 4-wire copper pairs running from the Central Office Switch MDF to the subscriber's premises. However, a loop may be provided via other means, including radio frequencies, as a channel on a high-capacity feeder/distribution facility which may, in turn, be distributed from a node location to the subscriber's premises via a copper or coaxial drop or other facility. The loop includes all features, functions and capabilities of such transmission facilities, including attached electronics (except those electronics used for the provision of advanced services, such as digital subscriber line access multiplexers ("DSLAMs")) and line conditioning. The types of unbundled loops made available to Interloop under this Attachment are:

- 2.1.1 "2-Wire Analog Loop" is a voice grade transmission facility that is suitable for transporting analog voice signals between approximately 300-3000 Hz, with loss not to exceed 8.5 db. A 2-wire analog loop may include load coils, bridge taps, etc. This facility also may include carrier derived facility components (i.e., pair gain applications, loop concentrators/multiplexers). This type of unbundled loop is commonly used for local dial tone services. Verizon does not guarantee data modem speeds on a 2-wire analog loop. In addition, Verizon does not guarantee CLASS features will perform properly on a 2-wire analog loop provisioned over subscriber analog carrier.
- 2.1.2 "4-Wire Analog Loop" conforms to the characteristics of a 2-wire voice grade loop and, in addition, can support simultaneous independent transmission in both directions. Verizon does not guarantee data modem speeds on a 4-wire analog loop. In addition, Verizon does not guarantee CLASS features will perform properly on a 4-wire analog loop provisioned over subscriber analog carrier.
- 2.1.3 ISDN-BRI Capable Loop is capable of transmitting digital signals up to 160 kbps with no greater line loss than 36 db end-to-end measured at 40 kHz. When the loop length extends beyond the limitations of basic ISDN-BRI service line loss levels will be provisioned at no greater than 76 db at 40 kHz. Dependent upon facility make-up it may be necessary to add ISDN-BRI Line Loop Extension to bring the line loss level within acceptable levels. ISDN-BRI Line Loop Extension equipment can be added by Verizon if requested by the CLEC at an additional cost beyond those of the unbundled loop element itself.
- 2.1.4 A 2-wire ADSL Capable Loop must be provisioned over copper facilities and will contain no load coils and minimum allowable bridge tap. Additional loop conditioning charges shall apply for the removal of the aforementioned types of equipment. In addition, when utilizing ADSL technology, the CLEC is responsible for limiting the Power Spectral Density (PSD) of the signal to levels specified in Clause 6.13 of the ANSI T1.413 ADSL Standard. The CLEC is responsible for supplying the electronics necessary for providing ADSL service to their Customer.
- 2.1.5 "4-Wire Digital Loop" is a transmission facility that is suitable for the transport of digital signals at rates up to 1.544 Mbps. 4-wire digital loops are only provisioned on copper facilities. When a 4-wire digital loop is used by Interloop to provision HDSL technology, the insertion loss, measured between 100W termination at 200 kHz, in which case loss should be less than 34 db. The DC resistance of a single wire pair should not exceed 1100 ohms.

- 2.1.6 "DS-1 Loops" will support a digital transmission rate of 1.544 Mbps. The DS-1 loop will have no bridge taps or load coils and will employ special line treatment. DS-1 loops will include midspan line repeaters where required, office terminating repeaters, and DSX cross connects.
- 2.1.7 "DS-3 Loops" will support the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The DS-3 loop provides the equivalent of 28 DS-1 channels and shall include the electronics at either end.
- 2.1.8 "'Dark Fiber Loops" consist of any unused fiber strands that exist between the fiber splice tray, or its functional equivalent, located within the Verizon Central Office Switch, and the fiber splice tray or fiber patch panel located within a Customer premise that has not been activated through connection to the electronics that "light" it, and thereby render it capable of carrying communications services. In addition to the other terms and conditions of this Attachment, the following terms and conditions also shall apply to Dark Fiber Loops:
- 2.1.8.1 Verizon shall be required to provide Dark Fiber Loop only where (1) one end of the Dark Fiber Loop terminates at Interloop's collocation point of interface/demarcation/connection, and (2) the other end terminates at the Customer premise.
- 2.1.8.2 At the Central Office Switch, unused fibers located at a fiber splice point in a cable vault or a controlled environment vault, manhole or other location outside the Central Office Switch or Verizon premises, and not terminated to a fiber splice tray within the Central Office Switch or Verizon Premises, are not available to Interloop.
- 2.1.8.3 At the Customer premise, unused fibers are not available to Interloop pursuant to this Attachment unless such fibers terminate on a fiber patch panel, or are available in a fiber splice tray, within the Customer premise. Unused fibers located in fiber splice point located outside the Customer premise are not available to Interloop.
- 2.1.8.4 Dark Fiber will be offered to Interloop on the condition that it is found in Verizon's network at the time that Interloop submits its request (i.e., "as is"). Verizon shall not be required to convert lit fiber to Dark Fiber for Interloop's use.
- 2.1.8.5 Spare wavelengths on fiber strands, where Wave Division Multiplexing (WDM) or Dense Wave Division Multiplexing (DWDM) equipment is deployed, are not considered to be spare Dark Fiber Loops and, therefore, will not be offered to Interloop as dark fiber.
- 2.1.8.6 Interloop shall be responsible for providing all transmission, terminating and regeneration equipment necessary to light and use Dark Fiber.
- 2.1.8.7 Interloop may not resell Dark Fiber purchased pursuant to this Attachment to third parties.
- 2.1.8.8 In order for Verizon to continue to satisfy its carrier of last resort (COLR) obligations under state law and/or to preserve the efficiency of its network, Verizon will limit Interloop to leasing a maximum of twenty-five percent (25%) of the Dark Fiber in any given segment of Verizon's

network during any two-year period. In addition, Verizon may take either of the following actions, notwithstanding anything to the contrary in this Attachment:

- (a) Revoke Dark Fiber leased to Interloop upon a showing of need to the Commission and twelve (12) months' advance written notice to Interloop; and
- (b) Revoke Dark Fiber leased to Interloop upon a showing to the Commission that Interloop underutilized fiber (less than OC-12) within any twelve (12) month period.

Interloop may not reserve Dark Fiber.

2.2 Subloops

The Subloop UNE is defined as any portion of the loop that is technically feasible to access at the terminals (access terminals) in Verizon's outside plant, including inside wire. An access terminal is any point on the loop: (i) where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber within; and (ii) that contains cables and their respective wire pairs that terminate on screw posts. To the extent they qualify under the preceding sentence, such points may include, but are not limited to, the pole or drop pedestal, network interface device (NID), minimum point of entry, single point of interconnection, the MDF, the remote terminal, and the feeder/distribution interface. In addition, subject to the requirements and limitations of the Collocation Attachment, Interloop has the option of collocating a DSLAM (or its functional equivalent) in Verizon's remote terminal (RT) at the fiber/copper interface point. When Interloop collocates its DSLAM at Verizon's RT, Verizon will provide Interloop with access to subloop UNEs to allow Interloop to access the copper portion of the loop. The Subloop UNEs made available to Interloop under this Attachment are:

- 2.2.1 "Feeder Subloop UNE" is a transmission path extending from the MDF located in Verizon's Central Office Switch or Wire Center to the feeder distribution interface (FDI), or its functional equivalent, at a Verizon cross-connect box. Feeder Subloop UNEs may be configured as "2-Wire Feeder" or "4-Wire Feeder", both of which may include load coils, bridge taps, etc. When utilizing ADSL technology, Interloop is responsible for limiting the Power Spectral Density (PSD) of the signal to the levels specified in Clause 6.13 of ANSI T1.413 ADSL Standard. Verizon will not provide the electronics required for Interloop to provide xDSL service.
- 2.2.2 "Distribution Subloop UNE" is a transmission path extending from the FDI, or its functional equivalent, at a Verizon cross-connect box, up to and including the demarcation point at an end user's premise. Unbundled Subloop Distribution Elements may be configured as "2-Wire Distribution" or "4-Wire Distribution", both of which may include carrier derived facility components (i.e., pair gain applications, loop concentrators/multiplexers). Distribution Elements are not available to Interloop where Verizon has provisioned its local network utilizing Digital Subscriber Technology (DAMLs). When utilizing ADSL technology, Interloop is responsible for limiting the PDS of the signal to the levels specified in Clause 6.13 of ANSI T1.413 ADSL Standard. Verizon will not provide the electronics required for Interloop to provide xDSL service.
- 2.2.3 "Drop Subloop UNE" is a transmission path extending from a terminal, such as a pole or pedestal, to the end user premise. Drop Subloop UNEs will be offered on a per pair basis.

2.2.4 "Dark Fiber Feeder Subloop UNE" is any unused fiber strands that exist between the fiber splice tray, or its functional equivalent, located within the Verizon Central Office Switch, and the fiber splice tray or fiber patch panel located at the Verizon remote hut or DLC or controlled environmental hut (CEV) or accessible terminal where Interloop has a point of interconnection. Unused fibers in the feeder portion of the loop that are located in a fiber splice point outside the Central Office Switch or remote hut/DLC/CEV are not available to Interloop pursuant to this Attachment. To the extent applicable, the same terms and conditions regarding Dark Fiber Loop UNEs set forth in Section 2.1.8 shall govern Dark Fiber Feeder Subloop UNEs.

2.2.5 "Dark Fiber Distribution Subloop UNE" is any unused fiber strands that exist between the fiber splice tray or patch panel located at the Verizon remote hut/DLC/CEV, where Interloop has established a point of interconnection, and the fiber splice tray or fiber patch panel located at the Customer premise. Unused fibers in the distribution portion of the loop that are located in a fiber splice point outside the Customer premise or remote hut/DLC/CEV are not available to Interloop pursuant to this Attachment. To the extent applicable, the same terms and conditions regarding Dark Fiber Loop UNEs set forth in Section 2.1.8 shall govern Dark Fiber Distribution Subloop UNEs.

2.3 Inside Wire.

The Inside Wire UNE is defined as all loop plant owned by Verizon on a Customer premises as far as the point of demarcation.

2.4 Network Interface Device (NID).

The NID UNE is defined as any means of interconnection of Customer inside wiring to Verizon's distribution plant. To gain access to a Customer's inside wiring, Interloop may connect its own loop directly to Verizon's NID where Interloop uses its own facilities to provide local service to a Customer formerly served by Verizon, as long as such direct connection does not adversely affect Verizon's network. Verizon shall have the right to deny Interloop's ability to connect its own loop directly to Verizon's NID.

2.5 Local Circuit Switching.

The local circuit switching UNE is defined as: (i) line-side facilities, which include, but are not limited to, the connection between a loop termination at a main distribution frame and a switch line card; (ii) trunk-side facilities, which include, but are not limited to, the connection between trunk termination at a trunk-side cross-connect panel and a switch trunk card; and (iii) all features, functions and capabilities of the switch. Verizon reserves the right not to provide circuit switching and shared transport as a UNE under the circumstances described in Rule 51.319(c)(2). At Interloop's request, Verizon will make available the following types of Circuit Switching as UNEs:

2.5.1 Analog Line Side Port. An analog line side port¹ is a line side switch connection

¹A Port provides for the interconnection of individual Loops to the switching components of Verizon's network. In general, the port is a line card or trunk card and associated peripheral equipment on a Verizon Central Office Switch that serves as the hardware termination for the Customer's Exchange Service on that switch, generates dial tone, and provides the end-user access to the Public Switched Telecommunications Network (PSTN). Each line-side port is typically associated with one (or more) telephone numbers(s), which serve as the Customer's network address. A port also includes local switching, which provides the basic switching functions to originate, route and terminate traffic and any signaling deployed in the Central Office Switch. When Interloop orders an unbundled port, the Interloop has the option to submit a Directory Service Request (DSR) to have the listings included in Verizon's Directory Assistance database. The applicable ordering charge will be applied for processing the DSR. Verizon will honor

used to provide basic residential- and business-type exchange services.

2.5.2 ISDN BRI Digital Line Side Port. An ISDN BRI digital line side port is a basic rate interface (BRI) line side switch connection used to provide ISDN exchange services.

2.5.3 Coin Line Side Port. A coin line side port is a line side switch connection used to provide coin services.

2.5.4 DS-1 Digital Trunk Side Port. A DS-1 digital trunk side port is a trunk side switch connection used to provide the equivalent of 24 analog incoming trunk ports.

2.5.5 ISDN PRI Digital Trunk Side Port. An ISDN PRI digital trunk side port is a primary rate interface (PRI) trunk side switch connection used to provide ISDN exchange services.

2.6 Local Tandem Switching.

The Local Tandem Switching UNE is defined as: (i) trunk-connect facilities, which include, but are not limited to, the connection between trunk termination at a cross connect panel and switch trunk card; (ii) the basic switch trunk function of the connecting trunks to trunks; and (iii) the functions that are centralized in tandem switches (as distinguished from separate Central Office Switches), including but not limited to call recording, the routing of calls to operator services, and signaling conversion features.

2.7 Packet Switching.

The Packet Switching UNE is defined as the basic packet switching function of routing or forwarding packets, frames, cells or other data units based on address or other routing information contained in the packets, frames, cells or other data units, and the functions that are performed by the DSLAM. Verizon reserves the right to provide packet switching as an UNE only under the circumstances described in Rule 51.319(c)(5).

2.8 Dedicated Transport.

The Dedicated Transport UNE is defined as Verizon interoffice transmission facilities, including all technically feasible capacity-related services, including, but not limited to, DS1, DS3 and OCN levels, dedicated to a particular Customer or carrier, that provide telecommunications between Wire Centers owned by Verizon or Interloop, or between Central Office Switches owned by Verizon or Interloop.

2.9 Dark Fiber Transport.

The Dark Fiber Transport UNE is defined as dedicated unused fiber strands that exist at the fiber splice tray, or its functional equivalent, located within the Central Office Switch, without attached multiplexing, aggregation or other electronics. To the extent applicable, the same terms and conditions regarding Dark Fiber Loop UNEs set forth in Section 2.1(g) shall govern Dark Fiber Transport UNE.

2.10 Shared Transport.

Interloop Customers' preferences for listing status, including non-published and unlisted, and will enter the listing in the Verizon database which is used to perform DA functions as it appears on the LSR.

The Shared Transport UNE is defined as interoffice transmission facilities shared by more than one carrier, including Verizon, between Central Office Switches, between Central Office Switches and tandem switches, and between tandem switches, in Verizon's network. Shared transport (also known as common transport) provides the shared use of interoffice trunk groups and tandem switching that are used to transport switched traffic, originating or terminating on a Verizon port, between Central Office Switching entities. Shared transport will include tandem switching if Verizon's standard network configuration includes tandem routing for traffic between these points. Shared transport is provided automatically in conjunction with port and local circuit switching. Verizon reserves the right not to provide circuit switching and shared transport as an UNE under the circumstances described in Rule 51.319(c)(2).

2.11 Signaling Networks.

The signaling network UNE is defined as access to Verizon signaling networks and signaling transfer points. SS7 transport and signaling shall be provided in accordance with the terms and conditions of a separately executed agreement, or via GTOC Tariff FCC No. 1.

2.12 Call-Related Databases.

The Call-Related Databases UNE is defined as access to a database, other than operations support systems (OSS), that are used in signaling networks for billing and collection, or the transmission, routing, or other provision of a Telecommunications Service. These databases include the calling name database, 911 database, E-911 database, line information database, toll free (800 type services) calling database, advanced intelligent network database and downstream number portability databases that are provided by means of physical access at the signaling transfer point linked to the unbundled databases. LIDB services and database 800 type services shall be provided in accordance with the rates, terms and conditions of GTOC Tariff FCC No. 1. Verizon reserves the right not to unbundle the services created in the AIN platform and architecture that qualify for proprietary treatment.

2.13 Service Management Systems.

The Service Management Database System UNE is defined as a computer database or system not part of the public switched network that: (i) interconnects to the service control point and sends to that service control point the information and call processing instructions needed for a network switch to process and complete a telephone call and (ii) provides telecommunications carriers with the capability of entering and storing data regarding the processing and completing of a telephone call.

2.14 OS/DA.

The OS/DA UNE is defined as: (a) any automatic or live assistance to a consumer to arrange for billing or completion, or both, of a telephone call (OS); and (b) a service that allows subscribers to retrieve telephone numbers of other subscribers (DA). In accordance with Rule 51.319(f), Verizon will not provide OS/DA as a UNE when it offers customized routing. Where Interloop provides its own OS/DA platform, Interloop is required to route its OS/DA traffic to its platform over customized routing. Upon written request, Verizon will provide Interloop a list of Central Office Switches that can provide customized routing using line class codes or similar method (regardless of current capacity limitations). Interloop will return a written list of these switches ranked in priority order. Verizon will return to Interloop a schedule for customized routing in the Central Office Switches with existing capabilities and capacity. In response to Interloop's written request, Verizon will also provide Interloop with applicable charges, and terms and

conditions, for providing OS and DA, branding, and customized routing. Subject to the above provisions, Verizon will choose the method of implementing customized routing of OS/DA calls. When Verizon offers customized routing to Interloop, Interloop will be responsible for the transport to route OS/DA traffic to the designated platform. If a dedicated transport UNE is used to route OS/DA traffic to the designated platform, Interloop must purchase a trunk side port and establish a collocation arrangement in accordance with the Collocation Attachment. If the dedicated transport UNE used to route OS/DA traffic to the designated platform is ordered out of the applicable access tariff, no collocation arrangement or trunk side port is required.

2.15 OSS.

The OSS UNE is defined as operations support system functions consisting of pre-ordering (including nondiscriminatory access to the same detailed information about loop qualification information that is available to Verizon), ordering, provisioning, maintenance and repair, and billing functions supported by Verizon's databases and information. Until such time as a real-time, electronic-like interface is made available to Interloop by Verizon, Verizon shall enable Interloop to perform all pre-ordering and ordering functions via a Web Graphical User Interface (GUI), including accessing said loop qualification information. This Web GUI will provide Interloop access to the same information which Verizon provides to itself in order to allow Interloop to determine if a loop is available and qualifies for service based on the end user's telephone number or street address, including the following:

- 2.15.1 The composition of the available loop material (including, without limitation, fiber optics and copper);
- 2.15.2 The existence, location and type of electronic or other equipment on the loop (including, without limitation, DLC or other remote concentration devices, feeder/distribution interfaces, bridged taps, load coils, pair gain devices, repeaters, remote switching units, range extenders, AMI T-1s in the same or adjacent binder groups, and other potential disturbers);
- 2.15.3 Loop length, including the segment length and location of each type of transmission media;
- 2.15.4 Loop length by wire gauge; and
- 2.15.5 The electrical parameters of the loop.

At such time as OBF has established standards for pre-order loop qualification, the Parties will cooperate to implement pre-order loop qualification functions based upon such standards.

2.16 Line Sharing.

2.16.1 General. The Line Sharing UNE is defined as access to the frequency range above the voiceband on a copper loop facility that is being used to carry analog circuit-switched voiceband transmissions. The following requirements shall serve as conditions to Verizon's obligation to provide the Line Sharing UNE:

- 2.16.1.1 Line sharing will be permitted for any Asymmetrical Digital Subscriber Line (ADSL) or voice compatible xDSL (DSL) technologies that do not significantly degrade other advanced services or traditional voice band services, including without limitation ADSL, Rate-Adaptive

ADSL and Multiple Virtual Lines. As additional technologies that may be compatible with existing services on a loop become available, the Parties will address their possible deployment, consistent with the requirements of FCC Rules 51.230, 51.233 and paragraphs 201-205 of the Line Sharing Order. The DSL technology used by Interloop will be within the PSD mask parameters set forth in T1.413 or other applicable industry standards.

2.16.1.2 Verizon provides retail analog circuit switched voice band service (Voice Service) on the loop to the same Customer for which Interloop provides the DSL line sharing service.² If Verizon discontinues the provision of such Voice Service for any permissible reason not prohibited by Applicable Law, Verizon shall provide notice the Interloop that the Voice Service has been discontinued. Within five (5) business days after such notice, Interloop shall notify Verizon that it desires to: (i) discontinue the Customer's line sharing DSL service; or (ii) continue providing DSL service to the Customer over an unbundled loop without line sharing. If Interloop does not make an affirmative election during said five (5) business days, option (i) shall be implemented. If option (ii) is implemented, the Parties shall cooperate to transition the continuation of such DSL service without line sharing and without interruption.

Provided that these conditions are met, Verizon shall provide line sharing to Interloop utilizing an all-copper pair between a Customer demarcation location and the main distribution frame in Verizon's serving Wire Center that is jumpered and cross-connected to a Interloop collocation arrangement located in said serving Wire Center. At the serving Wire Center, Verizon shall connect the line to a Interloop tie cable via a Verizon-provided jumper; provided, however, that Interloop must have first obtained said tie cable from Verizon to connect to Interloop's collocation arrangement. Verizon shall provide line sharing to Interloop over Digital Loop Carrier (DLC) to the extent required pursuant to Applicable Law and without waiving any rights to challenge any such requirement. Fiber-fed DLC consists of an all-copper pair from the Customer demarcation location to a remote terminal (i.e., controlled environmental vault, fiber hut, cabinet or other structure with fiber-fed DLC equipment installed).

2.16.2 Splitter Options. To utilize line sharing, Interloop must obtain access to a splitter that meets the requirements for equipment collocation set by the FCC in its Collocation Order in CC Docket No. 98-147 (released March 31, 1999) in the Central Office Switch that serves the Customer of the shared line. Specifically, any such splitter shall: (1) comply with ANSI T1E1 standards and Verizon NEBS policy for collocators; (2) employ DC blocking capacitors or equivalent technology to assist in isolating high bandwidth trouble resolution and maintenance to the high frequency portion of the frequency spectrum; and (3) be designed so that the analog voice "dial tone" stays active when the splitter card is removed for testing or maintenance. Interloop may obtain access to said splitter via either of

² Assuming that all other applicable requirements are met, the Line Sharing UNE shall be available under the following circumstances: (i) the Customer has Voice Service from Verizon and wishes to add DSL service from Interloop; (ii) the Customer has Voice Service and DSL service from Verizon and wishes to convert the DSL service to Interloop; (iii) the Customer wishes to establish both new Voice Service from Verizon and new DSL service from Interloop, subject to the requirement that Voice Service must be established prior to the implementation of DSL service; and (iv) the Customer has Voice Service from Verizon and DSL service from another competitive local exchange carrier and wishes to convert the DSL service to Interloop. At this time, line sharing will not be made available where the Customer has had its Voice Service number ported out to another local service provider either through interim number portability or long-term number portability. In addition, line sharing will not be available to more than one competitive local exchange carrier per loop.

the following options, at its discretion.

2.16.2.1 Option No. 1: Splitter Located in the Collocation Arrangement of Interloop. Interloop may choose to obtain the splitter directly and place the splitter in its collocation arrangement. Interloop shall purchase and own the splitter. Under this option, both the non-Interloop voice traffic and the Interloop-provided DSL service will arrive at the Interloop collocation arrangement via a tie cable obtained from Verizon. At the collocation arrangement, the tie cable will terminate at the splitter, which will separate the voice traffic and the DSL traffic. Interloop will retain the DSL traffic and will return the voice traffic to Verizon, over a separate Interloop tie pair assignment. For any such Central Office Switch in which Interloop chooses to install its own splitter, Verizon agrees to install any additional tie cables required by Interloop, in accordance with, and subject to, the terms and conditions set forth in the Collocation Attachment and/or applicable Verizon tariffs.

2.16.2.2 Option No. 2: CLEC Owned Splitter Located in an Area of the Serving Wire Center Controlled Exclusively by Verizon via Virtual Collocation. Verizon shall implement an additional Option under which Interloop may choose to purchase and own the splitter and have it located via a virtual collocation arrangement in an area in the serving wire center to which Interloop does not have access. In this scenario, Interloop shall obtain the splitter functionality on a "shelf at-a-time" basis. Verizon shall perform all maintenance and repair work. Interloop shall receive its DSL traffic via tie cables provided by the Interloop, running from the main distribution frame to the virtually collocated splitter and from the splitter to Interloop's collocation arrangement. Verizon reserves the right to implement this Option via the Verizon federal collocation tariff (FCC Tariff No. 1).

2.16.2.3 Customer Equipment. Interloop must provide the Customer with, and is responsible for the installation of, a modem, splitter, filter(s) and/or other equipment necessary at the Customer premise to receive separate Voice Services and DSL services across the same loop. Interloop also is responsible for the installation and maintenance of such equipment. Interloop shall determine the necessary Customer premise equipment.

3. Combinations.

Verizon will offer Combinations where the elements are already combined in Verizon's network, subject to the limitations, requirements and restrictions of applicable law, including, without limitation, Rule 51.319, the Line Sharing Order, the UNE Remand Order and the Act. Verizon is no longer required to provide OS/DA as an UNE where Verizon offers customized routing. Nevertheless, Verizon will continue to provide OS/DA based on market rates (see Appendix A and Appendix A-1) until the Parties negotiate a separate OS/DA agreement. In the alternative, Interloop can obtain an alternative provider. In addition, Interloop may not use any Combination as a substitute for special access service pending the FCC's resolution of this issue in its Fourth FNPRM in Docket No. 96-98. Interloop shall not have physical access to the combined UNEs in Verizon's premises. However, Interloop may use Combinations to provide a significant amount of local exchange service, in addition to exchange access service, to a particular Customer. Subject to the foregoing limitations and restrictions and the other terms and conditions herein, Interloop may order the following standard Combinations pursuant to this Attachment:

3.1 UNE Basic Analog Voice Grade Platform, which consists of:

- 3.1.1 UNE 2-Wire Loop;
 - 3.1.2 UNE Basic Analog Line Side Port; and
 - 3.1.3 UNE Shared Transport.
- 3.2 UNE ISDN BRI Platform, which consists of:
- 3.2.1 UNE 2-Wire Digital Loop;
 - 3.2.2 UNE ISDN BRI Digital Line Side Port; and
 - 3.2.3 UNE Shared Transport.
- 3.3 UNE ISDN PRI Platform, which consists of:
- 3.3.1 UNE DS-1 Loop;
 - 3.3.2 UNE ISDN PRI Digital Trunk Side Port; and
 - 3.3.3 UNE Shared Transport.
- 3.4 UNE DS-1 Platform, which consists of:
- 3.4.1 UNE DS-1 Loop;
 - 3.4.2 UNE DS-1 Digital Trunk Side Port; and
 - 3.4.3 UNE Shared Transport.

Advanced services, including but not limited to the following are not offered in Combination arrangements: (a) Frame Relay; (b) ATM; (c) ADSL; and (d) AIN.

4. Operations Matters.

4.1 Ordering.

- 4.1.1 General. The ordering procedures for UNEs and Combination's are described in the GTE Guide Inc. found on Verizon's WISE website (<http://www.gte.com/wise>). Verizon will continue to participate in industry forums for developing service order/disconnect order formats and will incorporate appropriate industry standards. Complete and accurate forms (containing the requisite Customer information as described in the Guide) must be provided by Interloop before a request can be processed. ASRs and/or LSRs submitted by Interloop will be reviewed by Verizon for validation and correction of errors. Errors will be referred back to Interloop. Interloop will then correct any errors that Verizon has identified and resubmit the request to Verizon electronically through a supplemental ASR/LSR. Pre-ordering does not guarantee the availability of a given UNE or Combination. Rather, Verizon must receive a firm order after the pre-order to ensure Interloop's access to the UNE or Combination ordered.
- 4.1.2 Dark Fiber. Interloop shall order Dark Fiber Transport, Dark Fiber Loop and Dark Fiber Subloop UNEs by sending to Verizon an ASR. When ordering dark fiber, Interloop must order in pairs and at a minimum of two dark fiber strands per A to Z route unless Interloop deploys DWDM, then individual fibers may be ordered.

Each A to Z route request shall be made by separate ASR. An ASR Service Inquiry must be submitted in advance of a firm order to determine the availability of dark fiber on a specific route.

- 4.1.3 Line Sharing. Interloop will specify its requirements for line sharing on the collocation application for each Verizon premise described in the Collocation Attachment. If Interloop's collocation application is accepted, Verizon will make the office ready for line sharing during the interval applicable to Interloop's request for collocation. Verizon shall complete the installation and provisioning of any tie cable ordered by Interloop in accordance with, and subject to, the terms and conditions of collocation set forth in the Collocation Attachment and/or applicable Verizon tariffs. Verizon shall also process all Interloop applications and firm orders for augmenting its collocation arrangements to use line sharing in accordance with, and subject to, the terms and conditions of collocation set forth in the Collocation Attachment and/or applicable Verizon tariffs. Verizon will work cooperatively with Interloop to prioritize the order and timeframe in which Verizon will complete deployment of equipment necessary to receive orders for line sharing in Verizon's premises where Interloop is currently collocated or where collocation capable of supporting shared lines is in the process of being provisioned. As soon as a Central Office Switch or Verizon Premise has the splitter installed, Verizon will begin accepting orders for lines shared by that office, consistent with the requirements and conditions of Section 4.1.1.

4.2 Unauthorized Changes.

If Interloop submits an order for UNEs or Combinations under this Agreement in order to provide service to a Customer that at the time the order is submitted is obtaining its local services from Verizon or another LEC using Verizon resold services or unbundled elements, and the Customer notifies Verizon that the Customer did not authorize Interloop to provide local exchange services to the Customer, Interloop must provide Verizon with written documentation of authorization from that Customer within thirty (30) Business Days of notification by Verizon. If Interloop cannot provide written documentation of authorization within such time frame, Interloop must within three (3) Business Days thereafter:

- 4.2.1 notify Verizon to change the Customer back to the LEC providing service to the Customer before the change to Interloop was made;
- 4.2.2 provide any Customer information and billing records Interloop has obtained relating to the Customer to the LEC previously serving the Customer; and
- 4.2.3 notify the Customer and Verizon that the change back to the previous LEC has been made.

Furthermore, Verizon will bill Interloop fifty dollars (\$50.00) per affected line to compensate Verizon for switching the Customer back to the original LEC.

4.3 Letter of Authorization.

Verizon will not release the Customer service record (CSR) containing Customer proprietary network information (CPNI) to Interloop on Verizon Customer accounts unless Interloop first provides to Verizon a written Letter of Authorization (LOA). Such LOA may be a blanket LOA or other form agreed upon between Verizon and Interloop authorizing the release of such information to Interloop or if state or federal law provides otherwise, in accordance with such law. A LOA will be required before Verizon will process an order

for UNEs or Combinations provided in cases in which the subscriber currently receives local exchange or Exchange Access service from Verizon or from a local service provider other than Interloop. Such LOA may be a blanket LOA or such other form as agreed upon between Verizon and Interloop.

4.4 Provisioning.

Verizon agrees to provide UNEs and Combinations in a timely manner, considering the need and volume of requests, pursuant to service provisioning intervals which are at parity with the intervals for Verizon's Customers of comparable services. Verizon shall provide power to ordered UNEs and Combinations on the same basis as Verizon provides power to itself. UNEs and Combinations will be provided only when facilities are Currently Available. If facilities are not Currently Available, Interloop will be notified and the order will be rejected. The determination of whether or not facilities are Currently Available will be made on a case-by-case basis. Verizon will use the following guidelines to determine if facilities are Currently Available to provision a requested UNE or Combination:

- 4.4.1 Verizon will not place new interoffice facilities or outside plant feeder or distribution facilities.
- 4.4.2 Verizon will not breach existing interoffice facilities, outside plant feeder or distribution facilities or Central Office Switch cabling or wiring to install new electronics or housing for plug-in electronic cards or modules. Verizon will install new plug-in cards or modules when the housing already exists and is wired into the network.
- 4.4.3 In most circumstances, Verizon will install drops and NIDs to connect outside plant facilities to a Customer's premises to provide a UNE loop. Verizon will use the same procedures its uses to determine when a drop would routinely be installed for a Verizon Customer or to determine if a drop will be installed for a UNE loop. Drops will not be installed when conditions such as excessive length, size of cable or use of fiber optics would require Verizon outside plant construction personnel to install the drop.
- 4.4.4 Verizon will not install new switches or augment switching capacity.
- 4.4.5 Verizon will not install new software or activate software requiring a new right to use fee in switching equipment. Verizon will activate software that is currently loaded in a switch but is not in use.
- 4.4.6 In certain situations, Verizon utilizes pair gain technology, such as Integrated Digital Loop Carrier (IDLC)³ or analog carrier, to provision facilities. Verizon may not be able to provision a loop UNE in such cases. Where Verizon can provision a Local Loop UNE using pair gain technology, the capabilities of such Local Loop UNE may be limited. If Interloop orders a loop UNE that would normally be provisioned over facilities using pair gain technology, Verizon will use alternate facilities to provision the loop UNE if alternate facilities are Currently Available. If alternate facilities are not Currently Available, Verizon will advise Interloop that facilities are not available to provision the requested loop UNE.

4.5 Connections.

³ See Telcordia Technologies TR-TSY-000008, Digital Interface Between the SLC-96 Digital Loop Carrier System and Local Digital Switch and TR-TSY-000303, Integrated Digital Loop Carrier (IDLC) Requirements, Objectives and Interface.

- 4.5.1 **General.** With the exception of the Shared Transport UNE, the UNEs specified above may be directly connected to Interloop facilities or to a third-party's facilities designated by Interloop to the extent technically feasible. Direct access to loops, subloop, port and local switching, and dedicated transport, that terminates in a Verizon premise, must be accomplished via a collocation arrangement in that premise. In circumstances where collocation cannot be accomplished in the premises, the Parties agree to negotiate for possible alternative arrangements. Removal of existing cable pairs required for Interloop to connect service is the responsibility of Interloop.
- 4.5.2 **NID.** In order to minimize adverse effects to Verizon's network, the following procedures shall apply regarding NID connection:
- 4.5.2.1 When connecting its own loop facility directly to Verizon's NID for a residence or business Customer, Interloop must make a clean cut on the Verizon drop wire at the NID so that no bare wire is exposed. Interloop shall not remove or disconnect Verizon's drop wire from the NID or take any other action that might cause Verizon's drop wire to be left lying on the ground.
- 4.5.2.2 At multi-tenant Customer locations, Interloop must remove the jumper wire from the distribution block (i.e., the NID) to the Verizon cable termination block. If Interloop cannot gain access to the cable termination block, Interloop must make a clean cut at the closest point to the cable termination block. At Interloop's request and discretion, Verizon will determine the cable pair to be removed at the NID in multi-tenant locations. Interloop will compensate Verizon for the trip charge necessary to identify the cable pair to be removed.
- 4.5.2.3 Verizon loop elements leased by Interloop will be required to terminate only on a Verizon NID. If Interloop leasing a Verizon loop wants to connect such loop to a Interloop NID, Interloop also will be required to lease a Verizon NID for the direct loop termination and effect a NID-to-NID cross connection.
- 4.5.2.4 Rather than connecting its own loop directly to Verizon's NID, Interloop also may elect to install its own NID and effect a NID-to-NID cross connection to gain access to the Customer's inside wiring.
- 4.5.2.5 If Interloop provides its own loop facilities, Interloop may elect to move all inside wire terminated on a Verizon NID to one provided by Interloop. In this instance, a NID-to-NID cross connection will not be required. Interloop, or the Customer's premise owner, can elect to leave the disconnected Verizon NID in place, or to remove the Verizon NID from the premises and dispose of it entirely.
- 4.5.2.6 Verizon agrees to offer its NIDs to Interloop for lease, but not for sale. Therefore, Interloop may remove Verizon identification from any Verizon NID to which it connects a Interloop loop, but Interloop shall not place its own identification on such NID.
- 4.5.2.7 Verizon shall have the right to deny any access by Interloop to Verizon's NID.
- 4.5.3 **Dark Fiber Transport.** Interloop must have a collocation arrangement on each

side of the transmission for Interloop to gain access to Dark Fiber Interoffice Transport. Verizon will terminate each end of the Dark Fiber Interoffice Transport at a fiber patch panel that has been connected to Interloop's collocation arrangement via optical cross-connects. In addition, Interloop must be collocated at any intermediate central office points where it plans on placing regenerative equipment.

4.5.4 Subloops. To gain access to a Feeder Subloop UNE, Interloop must be collocated (subject to the terms and conditions of the Collocation Attachment and/or applicable Verizon tariff) within the Verizon Central Office Switch where the Feeder Subloop UNE is being requested. Interloop must also be collocated at either a DLC or Verizon cross-connect box where the Feeder Subloop UNE terminates.

4.5.4.1 To gain access to a distribution Subloop UNE, Interloop must be collocated at either a DLC or cross-connect box that serves the Customer's address.

4.5.4.2 To gain access to a Drop Subloop UNE, Interloop must be collocated at the terminal, such as a pole or pedestal, that serves the Customer's address.

4.6 Line Conditioning.

4.6.1 General For the charge(s) described on Appendix A and Appendix A-1, Interloop may order conditioning of shared lines and those lines that are unbundled pursuant to this Attachment to remove load coils, bridge taps, low pass filters, range extenders and other devices to allow such lines to be provisioned in a manner that will allow for the transmission of digital signals required for ISDN and ADSL services, or, in the case of analog lines, to meet specific transmission parameters. Dedicated transport may be conditioned for DS-1 clear channel capability.

4.6.2 Line Sharing. On shared lines, Verizon will perform loop conditioning if the loop loss for Voice Services is less than -8.0dB. Conditioning will not be provided in circumstances where such conditioning significantly degrades other advanced services or traditional voice band services as provided and described in FCC Rules 51.230, 51.233 and paragraphs 85, 86 and 201-205 of the Line Sharing Order.

4.7 Performance, Repair, Testing and Maintenance.

4.7.1 General. Upon Interloop's request, and for the charge(s) described on Appendix A and Appendix A-1, Verizon will test and report trouble for all features, functions, and capabilities of conditioned lines, subject to all of the following limitations and conditions:

4.7.1.1 Such testing must be technically feasible.

4.7.1.2 If Interloop has directly connected its facilities to a loop, Verizon will not perform routine testing of the loop for maintenance purposes. Interloop will be required to perform its own testing and notify Verizon of service problems. Verizon will perform repair and maintenance once trouble is identified by Interloop. If the loop is combined with dedicated transport, Interloop will not have access to the loop in the Wire Center. In this

case, Verizon will perform routine testing of the loop and perform repair and maintenance once trouble is identified.

- 4.7.1.3 All loop facilities provided by Verizon on the premises of Interloop's Customers, up to the network interface or demarcation point, are the property of Verizon. Verizon must have access to all such facilities for network management purposes. Verizon employees and agents may enter said premises at any reasonable hour to test and inspect such facilities in conjunction with such purposes or, upon termination or cancellation of the loop, to remove such facility.
- 4.7.1.4 If Interloop leases loops that are conditioned to transmit digital signals, as part of that conditioning, Verizon will test the loop UNE and provide recorded test results to Interloop. In maintenance and repair cases, if loop tests are performed, Verizon will provide any recorded readings to Interloop at the time the trouble ticket is closed in the same manner as Verizon provides the same to itself and/or its Customers
- 4.7.1.5 When Interloop provides its own loop and connects directly to Verizon's NID, Verizon does not have the capability to perform routine maintenance. Interloop can perform routine maintenance via its loop and inform Verizon once the trouble has been isolated to the Verizon NID and Verizon will repair (or replace) the NID, or, at Interloop's option, effect a NID-to-NID cross connection, using the Verizon NID only to gain access to the inside wire at the Customer location.

4.8 Line Sharing

- 4.8.1 Access. Verizon will provide Interloop with nondiscriminatory access to the loop facility for testing, repair and maintenance activities via its Wholesale Internet Service Engine ("WISE") website (<http://www.gte.wise.com>) 4-Tel loop testing mechanism. Interloop shall have remote test access to the test head twenty-four (24) hours a day, seven (7) days a week Verizon is responsible for all testing of facilities and equipment terminated to its MDF and Interloop is responsible for all testing of facilities located within its collocation space. Verizon reserves the right to seek access to Interloop's collocation space to conduct reasonably necessary testing, repairs and maintenance when Interloop owns the splitter, as provided in Option No. 1 of Section 2.16 above.. For line sharing testing purposes (i.e., high frequency spectrum only), Interloop's point of demarcation will be within Interloop's collocation space.
- 4.8.2 Party Responsibility. Verizon will be responsible for repairing Voice Service and the physical line between the network interface device at the Customer premise and Interloop's demarcation point in the Central Office Switch. Interloop will be responsible for repairing its DSL services and any Customer-related DSL component at the Customer premise that impacts Verizon's Voice Service. Each entity will be responsible for maintaining its own equipment. In response to a trouble ticket opened by Interloop, Verizon shall conduct any necessary repair work for line sharing on a twenty-four (24) hour a day, seven (7) days a week basis, and shall maintain a mean-time-to-repair interval of twenty-four (24) hours, applied monthly. Verizon is responsible for all repair and maintenance of facilities and equipment terminated to its main distribution frame and Interloop is responsible for all repair and maintenance of facilities located within its collocation space. Where Verizon has control of the splitter via Option No. 2 of Section 2.16 and does not provide Interloop access to the splitter, Verizon shall conduct any necessary repair work on the splitter on a twenty-four (24) hour a

day, seven (7) day a week basis, and shall maintain a mean-time-to-repair interval of twenty-four (24) hours, applied monthly. Where Interloop owns the splitter via Option No.1 of Section 2.16, Interloop is responsible for performing maintenance, repair and testing on the splitter.

4.8.3 Party Coordination. Verizon and Interloop agree to coordinate in good faith any splitter testing, repair and maintenance that will significantly impact the service provided by the other Party. Verizon and Interloop will work together to diagnose and resolve any troubles reported by the Customer and to develop a permanent process for repair of shared lines. In the interim, Verizon and Interloop will work together to address Customer initiated repair requests and to prevent adverse impacts to the Customer. Where Verizon has isolated a trouble with the Voice Service to be in Interloop provided equipment, Interloop will be required to clear the trouble associated with the Verizon Voice Services. Where such troubles are not cleared within three (3) hours, Verizon will strap-through the Voice Service on the Verizon MDF, isolating Interloop equipment from the Verizon loop facility. This strap-through arrangement shall be limited in duration to the time necessary to repair the trouble. Interloop is responsible for informing Verizon of any lifeline data services (e.g., heart monitor) which may be being provided over the high frequency portion of the loop that would preclude any such strap-through activity by Verizon.

4.8.4 Electronic Security Systems. Where Interloop provides DSL service to a Customer via a line sharing arrangement, the Parties acknowledge that the high frequencies associated with DSL can cause interference with some electronic security systems, resulting in false alarms, or in some instances, impair the system to the point that it becomes inoperative⁴. When Interloop provides line sharing services to a Customer, Interloop shall be required to inquire and to determine whether the Customer has an electronic security system. For Customers with electronic systems, Interloop is responsible for taking the necessary preventive actions to ensure that the Customer's electronic security system remains operative and the high frequencies associated with line sharing services do not interfere with its operation. Interloop shall be liable for all damages, costs, expenses, etc., which arise in conjunction with, are caused by or result from Interloop's line sharing services' interference with, or impairment of, the Customers' electronic security systems.

4.8.5 Customer Education. Verizon and Interloop shall make Customers aware of the following conditions and requirements regarding the Line Sharing UNE:

4.8.5.1 The Customer should call Verizon for problems related to its Voice Service. The Customer should call its Interloop contact for problems related to its DSL service.

4.8.5.2 The Customer's DSL service is dependent on its Voice Service. If there is a problem with the physical line that causes the Voice Service to be inoperative, the Customer may also be unable to use DSL services for

⁴ To mitigate these issues, for its DSL Customers with electronic security systems, Verizon generally takes the following preventive actions: (1) where the electronic security system interfaces the inside wiring of the Customer premise via an RJ11 jack, Verizon places a micro-filter between the electronic security system dial-up unit and the inside wiring; and (2) where the electronic security system is "hard-wired" to the inside wiring at the Customer premise, Verizon places a splitter to isolate the high frequency data signals from the electronic security system's dial-up unit. Nothing in this Section 4.9.4 shall be read to constitute a warranty or representation that Interloop's replication of Verizon's practices/procedures outlined herein will be sufficient to avoid interference with electronic security systems in all cases or in any way absolve Interloop of its duties and obligations set forth in this section 4.9.4, or elsewhere in the Agreement.

some period of time.

4.8.5.3 Customers will not be able to use Interloop DSL services if Verizon Voice Services on the shared line are cancelled or terminated for any reason.

4.9 Subloops.

Interloop is responsible for all engineering requirements when provisioning service to an end user via Subloop UNEs. Verizon does not guarantee, nor is it responsible for, the end-to-end performance of the entire loop when Verizon provides only a portion of the loop. Furthermore, Verizon is responsible for maintenance on only the portion of the loop element that Verizon provides. Verizon will provide all Subloop UNEs to Interloop in the same manner as Verizon provides such elements to itself per existing Verizon interface specifications, maintenance and administrative policies.

4.10 Loop Interference.

If Interloop's deployment of service enhancing technology interferes with existing or planned service enhancing technologies deployed by Verizon or other CLECs in the same cable sheath, Verizon will so notify Interloop and Interloop will immediately remove such interfering technology and shall reimburse Verizon for all costs and expenses incurred related to this interference.

5. Financial Matters.

5.1 Rates and Charges.

The monthly recurring charges (MRCs), non-recurring charges (NRCs), and usage charges applicable for the UNEs and Combinations, and related services made available under this Attachment are set forth in Appendix A and Appendix A-1 attached hereto and made a part of this Attachment. Compensation arrangements for the exchange of switched traffic between Interloop and Verizon when Interloop uses a Verizon port, local switching and shared transport shall be as set forth in Appendix B.

5.1.1 Interim Pricing. Notwithstanding anything in this Agreement to the contrary, these rates and charges for line sharing are interim pending the outcome of the Commission's rate proceeding regarding line sharing. Verizon's interim pricing does not reflect all the costs associated with line sharing for all configurations (e.g., the costs associated with collaborative testing, costs associated with OSS-related implementation costs, loop conditioning costs, etc.). Verizon will present these alleged costs and seek recovery for them (including a retroactive true-up) in the Commission's line sharing pricing proceeding. To the extent that the Commission's line sharing rates for Verizon (the "Line Sharing Rates"), or the terms and conditions for application of the Line Sharing Rates, are different than specified in this Section (the "Initial Order"), the Line Sharing Rates will be applied prospectively pending the issuance of a final, binding and non-appealable order (the "Final Order"). Upon the issuance of such the Final Order, the Line Sharing Rates will be applied retroactively to the effective date of this Agreement, or the effective date of the Initial Order if required under the terms, or based on the subject matter, of the Final Order. The Parties will true up any resulting over or under billing. Any underpayment shall be paid, and any overpayment shall be refunded, within forty-five (45) business days after the date on which the Line Sharing Rates order becomes final, binding and non-appealable. Such true-up payments, if any, shall also include interest computed at the prime rate of the Bank of America, NA in effect at the date of said order.

The provisions of this Section shall survive the termination, rescission, modification or expiration of this Agreement without limit as to time.

5.1.2 **Nonwaiver.** The Parties do not waive, and hereby expressly reserve, their rights to assert or continue to assert that certain rates, charges or terms established by the Commission or in any other proceeding (including, without limitation, the Line Sharing Rates) are unlawful, illegal and improper. The Parties further expressly reserve their past, present and future rights to challenge and seek review of any and all such rates, charges or terms in any court or commission of competent jurisdiction or other available forum. Such terms, rates or charges are further subject to change and/or modification resulting from future orders or decisions of any commission, court or other governmental authority having competent jurisdiction that address the following: (a) Verizon's costs (e.g., actual costs, contribution, undepreciated reserve deficiency, or similar Verizon costs (including Verizon's interim universal service support charge)); (b) the establishment of a competitively neutral universal service system; (c) any and all actions seeking to invalidate, stay, vacate or otherwise modify any FCC order in effect as of the effective date, or during the term, of this Agreement which impact such terms, rates and/or charges; or (d) any other relevant appeal or litigation. If any such rates, charges and/or terms are adjusted or otherwise modified, in whole or in part, in any other proceeding, then this Agreement shall be deemed to have been automatically amended, and such amendment shall be effective upon the date of the applicable order. Such adjusted or modified rates and charges will be applied prospectively pending the issuance of a final, binding and non-appealable order in the subject proceeding. At such time as the applicable order becomes final, binding and non-appealable, the adjusted or modified rates and charges established therein shall be applied retroactively to the effective date of this Agreement. The Parties will true-up any resulting over or under billing in accordance with the requirements of Section 5.1.1. The Parties agree that the provisions of this Section shall survive the termination, rescission, modification or expiration of this Agreement without limit as to time. The Parties acknowledge that either Party may seek to enforce the provisions of this Section before a commission or court of competent jurisdiction.

5.1.3 **Loop Costs.** In developing its interim prices set forth in Section 5.1.1, Verizon did not include any direct loop costs. Verizon's pricing methodology, however, is premised on the assumption that Verizon will be afforded an opportunity to recover all its actual costs -- including the total actual cost of the loop -- in prices for services and in explicit universal service support. If Verizon cannot recover all its costs, then Verizon's pricing methodology must change and Verizon reserves the right to require such a change. Also, Verizon does not agree with the FCC's UNE pricing rules, which do not allow prices to be based on an ILEC's actual costs or opportunity costs. The Court of Appeals for the Eighth Circuit is considering the substantive validity of the FCC's pricing rules, and Verizon reserves its right to change its prices if the court stays, vacates, or modifies the FCC's rules.

5.2 **Billing.**

Verizon will utilize CBSS to produce the required bills for UNEs ordered via the LSR process. This includes NIDs, subloops, loops, loops combined with port, ports and local switching, shared transport, and line sharing. State or sub-state level billing will include up to thirty (30) summary bill accounts. Timing of messages applicable to Verizon's port and circuit switching UNEs (usage sensitive services) will be recorded based on originating and terminating access. Verizon will utilize CABS to produce the required bills for UNEs and Combinations ordered via the ASR process. This includes dark fiber, dedicated transport and loops combined with dedicated transport.

5.2.1 Incollects. Incollects are calls that are placed using the services of Verizon or another LEC or local service provider and billed to a UNE port, INP number, or LNP number of Interloop. Examples of an incollect are collect and credit card calls. Verizon will provide the rated record it receives from the CMDS network, or which Verizon records (non-intercompany), to Interloop for billing to Interloop's Customers. Verizon will settle with the earning company, and will bill Interloop the amount of each incollect record less the Billing & Collection (B&C) fee for Customer billing of the incollects. The B&C credit associated with Interloop's incollect messages that are incurred by Verizon will be billed to Interloop on the monthly statement.

5.2.2 Outcollects. Outcollects are calls that are placed using a Interloop UNE port and billed to a Verizon line or the line of another LEC or local service provider. Examples of an outcollect are collect and credit card calls. When the Verizon Central Office Switch from which the UNE port is served utilizes a Verizon operator services platform, Verizon will provide to Interloop the unrated message detail that originates from a Interloop resale service line or UNE port, but which is billed to a telephone number other than the originating number (e.g., calling card, bill-to-third number, etc.). As the local service provider, Interloop will be deemed the earning company and will be responsible for rating the message at Interloop's rates and for providing the billing message detail to the billing company for Customer billing. Interloop will pay to Verizon charges as agreed to for services purchased, and Interloop will be compensated by the billing company for the revenue due to Interloop. When a non-Verizon entity provides operator services to the Verizon Central Office Switch from which the resale line or UNE port is provisioned, Interloop must contract with the operator services provider to obtain any EMI records required by Interloop.

5.3 Measurement of Originating Usage.

Verizon shall record usage data originating from Interloop Customers that Verizon records with respect to its own retail Customers, using services order by Interloop. On *UNE port accounts*, Verizon will provide usage in EMI format per existing file exchange schedules.

5.4 Measurement of Terminating Usage.

Until such time as industry standards are implemented for recording and measuring terminating local calls, the Parties agree to use factors to estimate terminating usage based on originating usage. Where originating usage cannot be measured, the Parties agree to use assumed minutes. The applicable factors and assumed minutes are set forth in Appendix A and Appendix A-1.

5.5 Switched Access Usage.

Verizon will provide Interloop switched access usage records (AURs) in EMI Category 11 format for those UNEs which contain this switched access usage component. Interloop

agrees to follow applicable industry standards for the meet-point billing of switched access usage as defined in MECAB.

6. Intellectual Property Matters.

The Parties acknowledge that the determination of whether intellectual property rights are implicated by Interloop's request to purchase a given UNE or Combination can vary greatly depending upon the individual contract terms negotiated by the vendor and Verizon. If co-extensive intellectual property rights are required for Interloop to purchase such UNE or Combination, Verizon shall use its best efforts to assist Interloop in acquiring such rights. Any costs associated with acquiring such rights shall be allocated among Interloop and all requesting carriers, including Verizon, on a case-by-case basis. Interloop shall abide by all reasonable vendor requirements in connection with the determination and procurement of such rights, including, without limitation, confidentiality and privity of contract requirements. To the extent that Interloop intends to use an UNE or Combination in a manner that is different from how Verizon uses UNEs or Combinations in its network, Interloop shall be solely responsible for obtaining this right from the vendor.

**APPENDIX A TO THE UNBUNDLED NETWORK ELEMENTS ATTACHMENT
PRICES FOR UNBUNDLED NETWORK ELEMENTS (MONTHLY RECURRING CHARGES)**

General. The rates contained in this Appendix A are the rates as defined in the UNE Attachment and are subject to change resulting from future Commission or other proceedings, including but not limited to any generic proceeding to determine Verizon's unrecovered costs (e.g., historic costs, contribution, undepreciated reserve deficiency, or similar unrecovered Verizon costs (including Verizon's interim Service Support Surcharge)), the establishment of a competitively neutral universal service system, or any appeal or other litigation. Verizon will offer unbundled loops and ports under the following conditions:

Interim Universal Service Support Charge. Verizon assesses a separate interim universal service fund surcharge for loops and ports to provide continued universal service support that is implicit in Verizon's current retail services prices; and to respect the careful distinctions Congress has drawn between access to UNEs, on the one hand, and the purchase at wholesale rates of Verizon services on the other. This surcharge is being addressed (or will be addressed) by the Commission or a court of competent jurisdiction. The parties agree that Verizon will offer the port and loop UNEs at the rates set forth below in Appendix A without the interim surcharge, but subject to the following terms and conditions:

- A. Interloop agrees that within thirty (30) days after the effective date of a Commission or court order affirming Verizon's interim surcharge, Interloop will (i) begin paying the monthly interim surcharge in accord with Appendix A, and (ii) make a lump sum payment to Verizon of the total interim surcharges retroactive to the effective date of this Agreement.
- B. Notwithstanding any provision in this Agreement, Verizon may, at its sole discretion and at any time, seek injunctive or other relief (i) requiring Interloop to pay Verizon's interim surcharge or (ii) requiring the Commission to immediately impose the interim surcharge.
- C. Nothing in this Agreement shall restrict or impair Verizon from seeking injunctive relief or any other remedy at any time and in any court regarding Verizon's interim surcharge or the Commission's rejection or modification of Verizon's interim surcharge.

Local Loop

2 Wire Analog Loop (inclusive of NID)	
Zone 1 - High	\$ 25.37
Zone 2 - Medium	\$ 33.28
Zone 3 - Low	\$ 59.87
4 Wire Analog Loop (inclusive of NID)	
Zone 1 - High	\$ 52.90
Zone 2 - Medium	\$ 72.31
Zone 3 - Low	\$ 112.10
2 Wire Digital Loop (inclusive of NID)	\$ 29.31
4 Wire Digital Loop (inclusive of NID)	\$ 61.99
DS-1 Loop	\$ 223.23
DS-3 Loop	\$1,208.03
Supplemental Features:	
ISDN-BRI Line Loop Extender	TBD
DS1 Clear Channel Capability	\$16.00

Subloop

2-Wire Feeder	\$ 9.94
2-Wire Distribution	\$ 18.47
4-Wire Feeder	\$ 21.30
4-Wire Distribution	\$ 39.57
2-Wire Drop	\$ 3.69
4-Wire Drop	\$ 7.91
Inside Wire	BFR

Network Interface Device (leased separately)

Basic NID:	\$.90
Complex (12 x) NID	\$ 2.10

Switching

Port	
Basic Analog Line Side Port	\$ 3.22
Coin Line Side Port	\$ 11.53
ISDN BRI Digital Line Side Port	\$ 13.50
DS-1 Digital Trunk Side Port	\$ 70.62
ISDN PRI Digital Trunk Side Port	\$ 224.38

Vertical Features See Attached List

Usage Charges (must purchase Port)

Local Central Office Switching	
(Overall Average MOU)	\$0.0026691
Common Shared Transport	
Transport Facility (Average MOU/ALM)	\$0.0000007
Transport Termination (Average MOU/Term)	\$0.0001010
Tandem Switching (Average MOU)	\$0.0017479
Terminating to Originating Ratio	1.00
Assumed Minutes	TBD

Operator and Directory Assistance Services (OS/DA)

National DA	\$0.5500000
DA	\$0.4500000
Mechanized Operator Calling Card	\$0.0890000
Live Operator	\$0.4490000
Originating Line Number Screening	\$0.0180000
Call Detail Record	\$0.0200000
Busy Line Verify	\$0.9900000
Busy Line Interrupt	\$1.0500000

Dedicated Transport Facilities

CLEC Dedicated Transport	
CDT 2 Wire	\$ 23.00
CDT 4 Wire	\$ 33.00
CDT DS1	\$ 250.00
CDT DS3 Optical Interface	\$ 937.50

CDT DS3 Electrical Interface	\$1,250.00
Interoffice Dedicated Transport	
IDT DS0 Transport Facility per ALM	\$.02
IDT DS0 Transport Termination	\$ 12.49
IDT DS1 Transport Facility per ALM	\$.39
IDT DS1 Transport Termination	\$ 25.78
IDT DS3 Transport Facility per ALM	\$ 4.44
IDT DS3 Transport Termination	\$ 133.29
Multiplexing	
DS1 to Voice Multiplexing	\$ 187.86
DS3 to DS1 Multiplexing	\$ 516.10
DS1 Clear Channel Capability	\$ 16.00

Unbundled Dark Fiber

Unbundled Dark Fiber Loops/Subloops	
Dark Fiber Loop	\$ 67.13
Dark Fiber Subloop - Feeder	\$ 53.17
Dark Fiber Subloop - Distribution	\$ 13.96
Unbundled Dark Fiber Dedicated Transport	
Dark Fiber IDT -Facility	\$ 24.80
Dark Fiber IDT -Termination	\$ 6.34

Packet Switching BFR

Call Related Database BFR

Service Management System BFR

OSS BFR

UNE-P Pricing

MRCs. The MRC for a UNE-P will generally be equal to the sum of the MRCs for the combined UNEs (e.g. the total of the UNE loop charge plus the UNE port charges in the Agreement (see Note A) plus: UNE local switching (per minute originating usage plus T/O factor to determine terminating minutes) based on UNE local switching rates in the Agreement plus UNE shared transport and tandem switching (based on factors for percent interoffice and tandem switch usage, plus assumed transport mileage of 10 miles and 2 terms) based on UNE shared transport rates in the Agreement plus UNE Vertical Services charges (optional per line charges, if allowed by the Agreement).

(Note A): UNE platforms are available in four loop/port configurations as shown below. If the price for any component of these platforms is not set forth herein, Verizon will use the ICB process to determine the appropriate price and TBD pricing shall apply.

UNE Basic Analog Voice Grade Platform consists of the following components:

- UNE 2-wire Analog loop; and
- UNE Basic Analog Line Side port

UNE ISDN BRI Platform consists of the following components:

- UNE 2-wire Digital loop; and
- UNE ISDN BRI Digital Line Side port

UNE ISDN PRI Platform consists of the following components:

- UNE DS1 loop; and
- UNE ISDN PRI Digital Trunk Side port

UNE DS1 Platform consists of the following components:

- UNE DS1 loop; and
- UNE DS1 Digital Trunk Side port

NRCs. On an interim basis, until NRCs specific to UNE-P have been established, the Initial Service Order Charge for ports will be billed for all UNE combination orders. Central Office Line Connection or Outside Facility Fieldwork charges will be applied as incurred on UNE combination orders. Verizon reserves the right to apply new NRCs specific to UNE-P when such NRCs have been developed.

Optional NRCs will apply as ordered by the CLEC including such charges as Expedites, Coordinated Conversions, loop Conditioning, etc.

Operator Services and Directory Assistance Services (OS/DA). If Interloop does not initially utilize available customized routing services to re-route OS/DA calls to its own or another party's operator services platform, Verizon will bill the CLEC for OS/DA calls at a market-based ICB rate pending Interloop's completion of a separate OS/DA agreement.

Universal Service Support Surcharge

Per Loop	\$ 16.46
Per Port	\$ 16.46

FLORIDA UNBUNDLED VERTICAL FEATURES

VERTICAL FEATURES		(Subject to Availability)
Three Way Calling	\$/Feature/Month	\$1.35
Call Forwarding Variable	\$/Feature/Month	\$0.24
Cust. Changeable Speed Calling 1-Digit	\$/Feature/Month	\$0.19
Cust. Changeable Speed Calling 2-Digit	\$/Feature/Month	\$0.33
Call Waiting	\$/Feature/Month	\$0.09
Cancel Call Waiting	\$/Feature/Month	\$0.07
Automatic Callback	\$/Feature/Month	\$0.27
Automatic Recall	\$/Feature/Month	\$0.14
Calling Number Delivery	\$/Feature/Month	\$0.27
Calling Number Delivery Blocking	\$/Feature/Month	\$0.24
Distinctive Ringing / Call Waiting	\$/Feature/Month	\$0.34
Customer Originated Trace	\$/Feature/Month	\$0.13
Selective Call Rejection	\$/Feature/Month	\$0.37
Selective Call Forwarding	\$/Feature/Month	\$0.33
Selective Call Acceptance	\$/Feature/Month	\$0.40
Call Forwarding Variable CTX	\$/Feature/Month	\$0.17
Call Forwarding Incoming Only	\$/Feature/Month	\$0.16
Call Forwarding Within Group Only	\$/Feature/Month	\$0.12
Call Forwarding Busy Line	\$/Feature/Month	\$0.16
Call Forwarding Don't Answer All Calls	\$/Feature/Month	\$0.16
Remote Call Forward	\$/Feature/Month	\$2.53
Call Waiting Originating	\$/Feature/Month	\$0.12
Call Waiting Terminating	\$/Feature/Month	\$0.05
Cancel Call Waiting CTX	\$/Feature/Month	\$0.01
Three Way Calling CTX	\$/Feature/Month	\$0.45
Call Transfer Individual All Calls	\$/Feature/Month	\$0.17
Add-on Consultation Hold Incoming Only	\$/Feature/Month	\$0.15
Speed Calling Individual 1-Digit	\$/Feature/Month	\$0.08
Speed Calling Individual 2-Digit	\$/Feature/Month	\$0.15
Direct Connect	\$/Feature/Month	\$0.05
Distinctive Alerting / Call Waiting Indicator	\$/Feature/Month	\$0.06

VERTICAL FEATURES		(Subject to Availability)
Call Hold	\$/Feature/Month	\$0.20
Semi-Restricted (Orig/Term)	\$/Feature/Month	\$1.07
Fully-Restricted (Orig/Term)	\$/Feature/Month	\$1.07
Toll Restricted Service	\$/Feature/Month	\$0.16
Call Pick-up	\$/Feature/Month	\$0.05
Directed Call Pick-up w/Barge-In	\$/Feature/Month	\$0.04
Directed Call Pick-up w/o Barge-In	\$/Feature/Month	\$0.07
Special Intercept Announcements	\$/Feature/Month	\$7.91
Conference Calling - 6-Way Station Cont.	\$/Feature/Month	\$1.58
Station Message Detail Recording	\$/Feature/Month	\$1.33
Station Message Detail Recording to Premises	\$/Feature/Month	\$3.27
Fixed Night Service - Key	\$/Feature/Month	\$2.71
Attendant Camp-on (Non-DI Console)	\$/Feature/Month	\$0.34
Attendant Busy Line Verification	\$/Feature/Month	\$13.47
Control of Facilities	\$/Feature/Month	\$0.05
Fixed Night Service - Call Forwarding	\$/Feature/Month	\$1.94
Attendant Conference	\$/Feature/Month	\$42.92
Circular Hunting	\$/Feature/Month	\$0.08
Preferential Multiline Hunting	\$/Feature/Month	\$0.02
Uniform Call Distribution	\$/Feature/Month	\$0.73
Stop Hunt Key	\$/Feature/Month	\$4.14
Make Busy Key	\$/Feature/Month	\$4.14
Queuing	\$/Feature/Month	\$12.27
Automatic Route Selection	\$/Feature/Month	\$2.25
Facility Restriction Level	\$/Feature/Month	\$0.17
Expansive Route Warning Tone	\$/Feature/Month	\$0.02
Time-of-Day Routing Control	\$/Feature/Month	\$6.48
Foreign Exchange Facilities	\$/Feature/Month	\$4.05
Anonymous Call Rejection	\$/Feature/Month	\$3.67
Basic Business Group Sta-Sta ICM	\$/Feature/Month	\$0.31
Basic Business Group CTX	\$/Feature/Month	\$0.16
Basic Business Group DOD	\$/Feature/Month	\$0.01
Basic Business Auto ID Outward Dialing	\$/Feature/Month	\$0.00

VERTICAL FEATURES		(Subject to Availability)
Basic Business Group DID	\$/Feature/Month	\$0.00
Business Set Group Intercom All Calls	\$/Feature/Month	\$3.54
Dial Call Waiting	\$/Feature/Month	\$0.07
Loudspeaker Paging	\$/Feature/Month	\$4.04
Recorded Telephone Dictation	\$/Feature/Month	\$4.29
On-Hook Queuing for Outgoing Trunks	\$/Feature/Month	\$0.17
Off-Hook Queuing for Outgoing Trunks	\$/Feature/Month	\$0.02
Teen Service	\$/Feature/Month	\$0.07
Bg - Automatic Call Back	\$/Feature/Month	\$0.11
Voice/Data Protection	\$/Feature/Month	\$0.01
Authorization Codes for Afr	\$/Feature/Month	\$0.05
Account Codes for Afr	\$/Feature/Month	\$0.18
Code Restriction Diversion	\$/Feature/Month	\$0.17
Code Calling	\$/Feature/Month	\$5.92
Meet-Me Conference	\$/Feature/Month	\$2.43
Call Park	\$/Feature/Month	\$0.08
Executive Busy Override	\$/Feature/Month	\$0.06
Last Number Redial	\$/Feature/Month	\$0.10
Direct Inward System Access	\$/Feature/Month	\$0.09
Authorization Code Immediate Dialing	\$/Feature/Month	\$0.00
Bg - Speed Calling Shared	\$/Feature/Month	\$0.01
Attendant Recall from Satellite	\$/Feature/Month	\$1.04
Bg - Speed Calling 2-Shared	\$/Feature/Month	\$0.01
Business Set - Call Pick-up	\$/Feature/Month	\$0.04
Authorization Code for Mdr	\$/Feature/Month	\$0.00
Locked Loop Operation	\$/Feature/Month	\$0.00
Attendant Position Busy	\$/Feature/Month	\$3.02
Two-Way Splitting	\$/Feature/Month	\$4.01
Call Forwarding - All (Fixed)	\$/Feature/Month	\$0.26
Business Group Call Waiting	\$/Feature/Month	\$0.00
Music on Hold	\$/Feature/Month	\$0.73
Automatic Alternate Routing	\$/Feature/Month	\$0.27
DTMF Dialing	\$/Feature/Month	\$0.00

VERTICAL FEATURES		(Subject to Availability)
BG DTMF Dialing	\$/Feature/Month	\$0.00
Business Set Access to Paging	\$/Feature/Month	\$1.64
Call Flip-Flop (Ctx-A)	\$/Feature/Month	\$0.25
Selective Calling Waiting (Class)	\$/Feature/Month	\$0.35
Direct Inward Dialing	\$/Feature/Month	\$6.73
Customer Dialed Account Recording	\$/Feature/Month	\$0.55
Deluxe Automatic Route Selection	\$/Feature/Month	\$25.80
MDC Attendant Console	\$/Feature/Month	\$8.40
Warm Line	\$/Feature/Month	\$0.02
Calling Name Delivery	\$/Feature/Month	\$0.05
Call Forwarding Enhancements	\$/Feature/Month	\$0.00
Caller ID Name and Number	\$/Feature/Month	\$0.21
InContact	\$/Feature/Month	\$3.79
Call Waiting ID	\$/Feature/Month	\$0.04
Att'd ID on Incoming Calls	\$/Feature/Month	\$0.89
Privacy Release	\$/Feature/Month	\$0.25
Display Calling Number	\$/Feature/Month	\$0.12
Six-Port Conference	\$/Feature/Month	\$28.76
Business Set Call Back Queuing	\$/Feature/Month	\$0.01
ISDN Code Calling - Answer	\$/Feature/Month	\$0.20
Att'd Call Park	\$/Feature/Month	\$0.33
Att'd Autodial	\$/Feature/Month	\$0.10
Att'd Speed Calling	\$/Feature/Month	\$0.56
Att'd Console Test	\$/Feature/Month	\$0.07
Att'd Delayed Operation	\$/Feature/Month	\$0.00
Att'd Lockout	\$/Feature/Month	\$0.00
Att'd Multiple Listed Directory Numbers	\$/Feature/Month	\$0.00
Att'd Secrecy	\$/Feature/Month	\$0.51
Att'd Wildcard Key	\$/Feature/Month	\$0.21
Att'd Flexible Console Alerting	\$/Feature/Month	\$0.00
Att'd VFG Trunk Group Busy on Att'd Console	\$/Feature/Month	\$0.11
Att'd Console Act/Deact of CFU/CFT	\$/Feature/Month	\$0.17
Att'd Display of Queued Calls	\$/Feature/Month	\$0.02

VERTICAL FEATURES		(Subject to Availability)
Att'd Interposition Transfer	\$/Feature/Month	\$0.14
Att'd Automatic Recall	\$/Feature/Month	\$0.43

**APPENDIX A-1 TO THE UNBUNDLED NETWORK ELEMENTS ATTACHMENT
PRICES FOR UNBUNDLED NETWORK ELEMENTS (NON-RECURRING CHARGES)**

LOCAL WHOLESALER SERVICES	Ordering	Ordering	Provisioning	
	Manual	Self	Initial	Addl
	Manual	Manual	Initial	Unit

UNBUNDLED SERVICE

Exchange - Basic - Initial	\$ 38.75	\$ 27.60	\$ 42.17	\$ 38.81
Exchange - Basic - Subsequent	\$ 17.44	\$ 12.55	\$ 14.49	\$ 13.53
Exchange - Complex Nondigital - Initial	\$ 40.56	\$ 25.03	\$ 107.58	\$ 26.61
Exchange - Complex Nondigital - Subsequent	\$ 18.87	\$ 13.98	\$ 14.49	\$ 13.53
Exchange - Complex Digital - Initial	\$ 40.56	\$ 25.03	\$ 96.76	\$ 26.53
Exchange - Complex Digital - Subsequent	\$ 18.87	\$ 13.98	\$ 14.49	\$ 13.53
Advanced - Basic - Initial	\$ 36.18	\$ 25.03	\$ 573.73	\$ 202.79
Advanced - Complex - Initial	\$ 40.56	\$ 25.03	\$ 569.13	\$ 303.39

UNBUNDLED PORT

Exchange - Basic - Initial	\$ 33.04	\$ 21.89	\$ 31.29	\$ 29.38
Exchange - Basic - Subsequent (Port Feature)	\$ 19.78	\$ 14.89	\$ 1.14	\$ 1.14
Exchange - Basic - Subsequent (CO Interconnection)	\$ 19.78	\$ 14.89	\$ 14.49	\$ 13.53
Exchange - Complex Nondigital - Initial	\$ 43.54	\$ 28.01	\$ 75.32	\$ 38.01
Exchange - Complex Nondigital - Subsequent (Port Feature)	\$ 25.90	\$ 21.01	\$ 6.23	\$ 6.23
Exchange - Complex Nondigital - Subsequent (Switch Feature Group)	\$ 30.28	\$ 21.01	\$ 23.06	\$ -
Exchange - Complex Nondigital - Subsequent (CO Interconnection)	\$ 25.90	\$ 21.01	\$ 14.49	\$ 13.53
Exchange - Complex Digital - Initial	\$ 43.54	\$ 28.01	\$ 29.72	\$ 32.97
Exchange - Complex Digital - Subsequent (Port Feature)	\$ 25.90	\$ 21.01	\$ 5.45	\$ 5.45
Exchange - Complex Digital - Subsequent (Switch Feature Group)	\$ 30.28	\$ 21.01	\$ 23.06	\$ -
Exchange - Complex Digital - Subsequent (CO Interconnection)	\$ 25.90	\$ 21.01	\$ 14.49	\$ 13.53

Advanced - Complex - Initial	TBD	TBD	TBD	TBD
Advanced - Complex - Subsequent	TBD	TBD	TBD	TBD

UNBUNDLED NID

Exchange - Basic	\$ 27.06	\$ 18.83	\$ 33.99	N/A
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UNBUNDLED SUBLOOP

Exchange - MDF Interconnection - Initial	\$ 36.32	\$ 26.88	\$ 48.65	\$ 34.50
Exchange - MDF Interconnection - Subsequent	\$ 15.01	\$ 11.83	\$ 14.18	\$ 13.22
Exchange - FDI Feeder Interconnection - Initial	\$ 36.32	\$ 26.88	\$ 46.20	\$ 24.97
Exchange - FDI Feeder Interconnection - Subsequent	\$ 15.01	\$ 11.83	\$ 16.99	\$ 7.22
Exchange - FDI Distribution Interconnection - Initial	\$ 36.32	\$ 26.88	\$ 61.90	\$ 30.36
Exchange - FDI Distribution Interconnection - Subsequent	\$ 15.01	\$ 11.83	\$ 16.99	\$ 7.22
Exchange - Serving Terminal Interconnection - Initial	\$ 36.32	\$ 26.88	\$ 28.99	\$ 15.51
Exchange - Serving Terminal Interconnection - Subsequent	\$ 15.01	\$ 11.83	\$ 13.23	\$ 6.41

UNBUNDLED DARK FIBER

Advanced - Service Inquiry Charge	\$249.82	\$249.82	N/A	N/A
Advanced - Interoffice Dedicated Transport - Initial	\$63.85	\$63.85	\$153.14	\$110.28
Advanced - Unbundled Loop - Initial	\$63.85	\$63.85	\$148.37	\$106.54
Advanced - Subloop Feeder - Initial	\$63.85	\$63.85	\$148.37	\$106.54
Advanced - Subloop Distribution - Initial	\$63.85	\$63.85	\$151.78	\$102.80

ENHANCED EXTENDED LINK

Initial Service Order - Advanced/Special-Complex	TBD	TBD	TBD	TBD
EEL Changeover Charge	TBD	TBD	TBD	TBD
EEL Subsequent Order	TBD	TBD	TBD	TBD

LOOP CONDITIONING

(No charge for loops 12,000 feet or less)

Loop Conditioning - Bridged Tap	N/A	N/A	\$ 318.71	\$ 34.88
Loop Conditioning - Load Coils	N/A	N/A	\$ 249.91	\$ -

Loop Conditioning - Load Coils / Bridged Tap

N/A

N/A

\$ 568.62

\$ 34.88

INTERLATA FORM

Exchange - Basic - Initial	\$ 31.57	\$ 22.13	\$ 28.23	\$ 26.58
Exchange - Basic - Subsequent	\$ 16.44	\$ 13.26	\$ 1.08	\$ 1.08
Exchange - Basic - Changeover	\$ 19.93	\$ 15.54	\$ 0.90	\$ 0.90
Exchange - Complex Nondigital - Initial	\$ 41.35	\$ 27.53	\$162.41	\$ 31.70
Exchange - Complex Nondigital - Subsequent (Port Feature)	\$ 16.44	\$ 13.26	\$ 5.89	\$ 5.89
Exchange - Complex Nondigital - Subsequent (Switch Feature Group)	\$ 20.82	\$ 13.26	\$ 22.73	\$ 22.73
Exchange - Complex Nondigital - Changeover (As Is)	\$ 22.35	\$ 17.96	\$ 3.61	\$ 3.61
Exchange - Complex Nondigital - Changeover (As Specified)	\$ 30.08	\$ 21.31	\$ 20.97	\$ 3.61
Exchange - Complex Digital - Initial	\$ 41.35	\$ 27.53	\$205.75	\$ 28.18
Exchange - Complex Digital - Subsequent (Port Feature)	\$ 16.44	\$ 13.26	\$ 5.15	\$ 5.15
Exchange - Complex Digital - Subsequent (Switch Feature Group)	\$ 20.82	\$ 13.26	\$ 22.73	\$ 22.73
Exchange - Complex Digital - Changeover (As Is)	\$ 22.35	\$ 17.96	\$ 4.18	\$ 4.18
Exchange - Complex Digital - Changeover (As Specified)	\$ 30.08	\$ 21.31	\$ 80.98	\$ 4.18
Advanced - Complex - Initial	\$ 48.35	\$ 34.53	\$681.24	\$ 303.66
Advanced - Complex - Subsequent	\$ 20.82	\$ 13.26	\$ 65.81	\$ 48.47
Advanced - Complex - Changeover (As Is)	\$ 24.06	\$ 19.67	\$ 51.51	\$ 34.17
Advanced - Complex - Changeover (As Specified)	\$ 37.08	\$ 28.31	\$ 82.31	\$ 64.97

DEDICATED TRANSPORT

Advanced - Basic - Initial	\$ 95.49	\$ 63.01	\$ 428.58	N/A
Advanced - Basic - Subsequent	\$ 45.12	\$ 28.77	\$ 58.20	N/A
Advanced - Complex - Initial	\$ 105.04	\$ 72.56	\$ 584.49	N/A
Advanced - Complex - Subsequent	\$ 45.12	\$ 28.77	\$ 86.80	N/A

SIGNALING SYSTEM 7 (SS7)

Facilities and Trunks - Initial	\$ 237.67	\$ 205.19	\$ 568.54	N/A
Facilities and Trunks - Subsequent (with Engineering Review)	\$ 71.58	\$ 55.23	\$ 213.12	N/A
Facilities and Trunks - Subsequent (w/o Engineering Review)	\$ 71.58	\$ 55.23	\$ 67.28	N/A
Trunks Only - Initial	\$ 126.13	\$ 93.65	\$ 505.41	N/A
Trunks Only - Subsequent (with Engineering Review)	\$ 49.46	\$ 33.11	\$ 202.03	N/A
Trunks Only - Subsequent (w/o Engineering Review)	\$ 49.46	\$ 33.11	\$ 67.28	N/A
STP Ports (SS7 Links)	\$ 237.67	\$ 205.19	\$ 438.81	N/A
Entrance Facility/Dedicated Transport DS0 - Initial	\$ 95.49	\$ 63.01	\$ 390.08	N/A
Entrance Facility/Dedicated Transport DS0 - Subsequent	\$ 45.12	\$ 28.77	\$ 58.20	N/A
Entrance Facility/Dedicated Transport DS1/DS3 - Initial	\$ 105.04	\$ 72.56	\$ 515.03	N/A
Entrance Facility/Dedicated Transport DS1/DS3 - Subsequent	\$ 45.12	\$ 28.77	\$ 86.80	N/A

COORDINATED CONVERSIONS

Exchange - Standard Interval - Per Qtr. Hour	\$ 30.72	\$ 30.50	N/A	N/A
Exchange - Additional Interval - Per Qtr. Hour	\$ 26.97	\$ 26.75	N/A	N/A
Advanced - Standard Interval - Per Qtr. Hour	\$ 22.92	\$ 22.69	N/A	N/A
Advanced - Additional Interval - Per Qtr. Hour	\$ 21.12	\$ 20.89	N/A	N/A

HOT-CUT COORDINATED CONVERSIONS

(Only available for 2-wire analog loops)

Exchange - Standard Interval - Per Hour	\$ 108.80	\$ 108.57	N/A	N/A
Exchange - Additional Interval - Per Qtr. Hour	\$ 26.97	\$ 26.75	N/A	N/A
Advanced - Standard Interval - Per Hour	\$ 83.43	\$ 83.20	N/A	N/A
Advanced - Additional Interval - Per Qtr. Hour	\$ 21.12	\$ 20.89	N/A	N/A

CUSTOMIZED ROUTING

BFR

BFR

BFR

BFR

EXPEDITES

Exchange Products	\$ 3.36	\$ 3.36	N/A	N/A
Advanced Products	\$ 25.80	\$ 25.80	N/A	N/A

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Customer Record Search (per account)	\$ 4.21	\$ -	N/A	N/A
CLEC Account Establishment (per CLEC)	\$ 166.32	\$ 166.32	N/A	N/A

LINE SHARING - CLEC OWNED SPLITTER

CLEC Splitter Connection - Initial	\$ 32.19	\$ 22.52	\$ 53.04	\$ 47.29
CLEC Splitter Connection - Subsequent	\$ 13.24	\$ 9.83	\$ 14.49	\$ 13.53

BACKET SWITCHING

TBD	TBD	TBD	TBD
-----	-----	-----	-----

CALL RELATED TO SERVICE

TBD	TBD	TBD	TBD
-----	-----	-----	-----

SERVICE MANAGEMENT SYSTEM

TBD	TBD	TBD	TBD
-----	-----	-----	-----

OSS

TBD	TBD	TBD	TBD
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Application of NRCs

Preordering:

CLEC Account Establishment is a one-time charge applied the first time that Interloop orders any service from this Agreement.

Customer Record Search applies when Interloop requests a summary of the services currently subscribed to by the end-user.

Ordering and Provisioning:

Initial Service Order (ISO) applies to each Local Service Request (LSR) and Access Service Request (ASR) for new service. Charge is Manual (e.g. for a faxed order) or Semi-Mechanized (e.g. for an electronically transmitted order) based upon the method of submission used by the CLEC.

Subsequent Service Order applies to each LSR/ASR for modifications to an existing service. Charge is Manual or Semi-Mechanized based upon the method of submission used by the CLEC.

Advanced ISO applies per LSR/ASR when engineering work activity is required to complete the order.

Exchange ISO applies per LSR/ASR when no engineering work activity is required to complete the order.

Provisioning – Initial Unit applies per ISO for the first unit installed. The Additional Unit applies for each additional unit installed on the same ISO.

Basic Provisioning applies to services that can be provisioned using standard network components maintained in inventory without specialized instructions for switch translations, routing, and service arrangements.

Complex Provisioning applies to services that require special instruction for the provisioning of the service to meet the customer's needs.

Examples of services and their Ordering/Provisioning category that applies:

Exchange-Basic: 2-Wire Analog, 4-Wire Analog, Standard Subloop Distribution, Standard Subloop Feeder, Drop and NID.

Exchange-Complex: Non-loaded Subloop Distribution, Non-load Subloop Feeder, Loop Conditioning, Customized Routing, ISDN BRI Digital Line Side Port and Line Sharing.

Advanced-Basic: 2-Wire Digital Loop, 4-Wire Digital Loop

Advanced-Complex: DS1 Loop, DS3 Loop, Dark Fiber, EELs, and ISDN PRI Digital Trunk Side Port

Conditioning applies in addition to the ISO, for each Loop or Subloop UNE for the installation and grooming of Conditioning requests.

DS1 Clear Channel Capability applies in addition to the ISO, per DS1 for the installation and grooming of DS1 Clear Channel Capability requests.

Changeover Charge applies to UNE-P and EEL orders when an existing retail, resale, or special access service is already in place.

Service Inquiry – Dark Fiber applies per service inquiry when a CLEC requests Verizon to determine the availability of dark fiber on a specific route.

Custom Handling (These NRCs are in addition to any Preordering or Ordering and Provisioning NRCs):

Service Order Expedite applies if Interloop requests service prior to the standard due date intervals and the expedite request can be met by Verizon.

Coordinated Conversion applies if Interloop requests notification and coordination of service cut-over prior to the service becoming effective.

Hot Coordinated Conversion First Hour applies if Interloop requests real-time coordination of a service cut-over that takes one hour or less.

Hot Coordinated Conversion Per Additional Quarter Hour applies, in addition to the Hot Coordinated Conversion First Hour, for every 15-minute segment of real-time coordination of a service cut-over that takes more than one hour.

**APPENDIX B TO THE UNBUNDLED NETWORKS ELEMENTS ATTACHMENT
COMPENSATION FOR EXCHANGE OF TRAFFIC USING UNBUNDLED ELEMENTS**

1. This Appendix describes the compensation terms that apply for exchanging local, intraLATA, toll and interexchange traffic when Interloop uses Verizon-provided unbundled ports, local switching and shared transport to provide service to Interloop's end-users. Reciprocal compensation does not apply in a resale environment.
2. Compensation for Interloop's Purchase of Verizon's unbundled local switching.
 - 2.1 For local intra-switch calls between lines connected to Verizon's switch where Interloop has purchased Verizon's unbundled local switching, the Parties agree to impose no call termination charges on each other. Verizon's local switching charge will apply as described below where the call is:
 - 2.1.1 Originated by Interloop's customer using Verizon's unbundled local switching and completed to a Verizon customer:
 - 2.1.1.1 (For use of the local switch): local switching charge the originating office will apply to Interloop.
 - 2.1.2 Originated by Interloop's customer using Verizon's unbundled local switching and completed to the customer of a third party LEC (not affiliated with Interloop) using Verizon's unbundled local switching.
 - 2.1.2.1 (For use of the local switch): local switching charge at the originating office will apply to Interloop.
 - 2.1.3 Originated by Interloop's customer using Verizon's unbundled local switching and completed to another Interloop's customer using Verizon's unbundled local switching.
 - 2.1.3.1 (For use of the local switch): local switching charge at the originating office will apply to Interloop.
 - 2.1.4 Originated by a Verizon customer and terminated to Interloop's customer using Verizon's unbundled local switching.
 - 2.1.4.1 No local switching charge will apply to Interloop.
 - 2.1.5 Originated by the customer of a third-party LEC (not affiliated with Interloop) using Verizon's unbundled local switching and terminated to Interloop's customers using Verizon's unbundled local switching.
 - 2.1.5.1 No local switching charge will apply to Interloop.
 - 2.2 For local inter-switch calls where Interloop has purchased Verizon's unbundled local switching. Verizon's charges will apply to CLEC as described below where the call is:
 - 2.2.1 Originated from Interloop's end-user customer using Verizon's unbundled local switching and completed to a Verizon customer:
 - 2.2.1.1 (For use of the local switch): local switching charge at the originating office.

- 2.2.1.2 A mileage-based transport charge will apply when Interloop uses Verizon's transport.
- 2.2.1.3 Tandem Switching, if applicable.
- 2.2.1.4 (For call termination): Charges for local interconnection/call termination, when applicable
- 2.2.2 Originated from Interloop's customer using Verizon's unbundled local switching and completed to a third-party LEC (not affiliated with Interloop) customer using Verizon's unbundled local switching.
 - 2.2.2.1 (For use of the local switch): local switching charge at the originating office.
 - 2.2.2.2 A mileage-based transport charge will apply when Interloop uses Verizon's transport.
 - 2.2.2.3 Tandem Switching, if applicable.
- 2.2.3 Originated from Interloop's customer using Verizon's unbundled local switching and completed to the interconnected network of a third-party LEC (not affiliated with Interloop).
 - 2.2.3.1 (For use of the local switch): local switching charge at the originating office.
 - 2.2.3.2 A mileage-based transport charge will apply when Interloop uses Verizon's transport, and mileage shall be measured between the originating office and the IP of the Third Party's network.
 - 2.2.3.3 Tandem Switching, if applicable.
- 2.2.4 Originated from Interloop's customer using Verizon's unbundled local switching and completed to Interloop's customer using Verizon's unbundled local switching.
 - 2.2.4.1 (For use of the local switch): local switching charge at the originating office.
 - 2.2.4.2 A mileage-based transport charge will apply when Interloop uses Verizon's transport.
 - 2.2.4.3 Tandem Switching, if applicable.
 - 2.2.4.4 (For use of the local switch): Local switching charge at the terminating office.
- 2.2.5 Originated by a Verizon customer and terminated to Interloop's customer using Verizon's unbundled local switching.
 - 2.2.5.1 (For use at local switch): local switching charge at the terminating office.
 - 2.2.5.2 (For call termination): Interloop shall charge Verizon for local interconnection/call termination, when applicable.

- 2.2.6 Originated by a customer of a third-party LEC using Verizon's unbundled local switching and terminated to Interloop's customer using Verizon's unbundled local switching.
 - 2.2.6.1 (For use of the local switch): local switching charge at the terminating office.
- 2.2.7 Originated by a customer of the interconnected network of a third-party LEC and terminated to Interloop's customers using Verizon's unbundled local switching.
 - 2.2.7.1 (For use of the local switch): local switching charge at the terminating office.
- 2.3 For intraLATA toll calls where Interloop has purchased Verizon's unbundled local switching, charges shall apply as follows:
 - 2.3.1 Originated by Interloop's customer and completed to a Verizon customer:
 - 2.3.1.1 (For use of the local switch): local switching charge at the originating office.
 - 2.3.1.2 Shared transport charge between the two offices will apply when Interloop uses Verizon's transport.
 - 2.3.1.3 Tandem Switching, if applicable.
 - 2.3.1.4 (For call termination): End Office Switching charge at the terminating office (Switched Access Rate).
 - 2.3.2 Originated by Interloop's customer and completed to the customer of a third-party LEC using Verizon's unbundled local switching in a distant end office.
 - 2.3.2.1 (For use of the local switch): local switching charge at the originating office.
 - 2.3.2.2 Shared transport charge between the two offices will apply when Interloop uses Verizon's transport.
 - 2.3.2.3 Tandem Switching, if applicable.
 - 2.3.3 Originated by Interloop's customer and completed to the network of a third-party LEC interconnected with Verizon's network.
 - 2.3.3.1 (For use of the local switch): local switching charge at the originating office.
 - 2.3.3.2 Common transport charge will apply when Interloop uses Verizon's transport, and mileage shall be measured between the originating office and the IP of the Third Party's network.
 - 2.3.3.3 Tandem Switching, where applicable.
 - 2.3.4 Originated by Interloop's customer and completed by another of Interloop's customers being served through Verizon's unbundled local switching in a distant office.

- 2.3.4.1 (For use of the local switch): local switching charge at the originating office.
- 2.3.4.2 Shared transport charge between the two offices will apply when Interloop uses Verizon's transport.
- 2.3.4.3 Tandem Switching, if applicable.
- 2.3.4.4 (For use of the local switch): local switching charge at the terminating office.
- 2.3.5 Originated by a Verizon customer and terminated to Interloop's customer using Verizon's unbundled local switching.
 - 2.3.5.1 (For use of the local switch): local switching charge at the terminating office.
 - 2.3.5.2 (For call termination): Interloop will charge Verizon local switching at the terminating office.
- 2.3.6 Originated by a customer of a third-party LEC (not affiliated with Interloop) using Verizon's unbundled local switching in a distant end office and terminated to Interloop's customers using Verizon's unbundled local switching.
 - 2.3.6.1 (For use of the local switch): local switching charge at the terminating office.
- 2.3.7 Originated by a customer of the network of a third-party LEC interconnected with Verizon's network and terminated to Interloop's customers using Verizon's unbundled local switching.
 - 2.3.7.1 (For use of the local switch): local switching charge at the terminating office.
- 2.4 For intrastate Switched Access calls where Interloop is using Verizon's unbundled local switching for calls originated from or terminated to an IXC for completion:
 - 2.4.1 For calls originated from Interloop's customer to an IXC switch for completion.
 - 2.4.1.1 (For use of the local switch): local switching charge at the office.
 - 2.4.1.2 Shared Transport;
 - 2.4.1.3 Tandem Switching
 - 2.4.2 For calls terminating to Interloop's end-user customer from an IXC switch for completion.
 - 2.4.2.1 (For use of the local switch): local switching charge at the terminating office.
 - 2.4.2.2 Shared Transport;
 - 2.4.2.3 Tandem Switching

2.5 For interstate Switched Access calls where Interloop is using Verizon's unbundled local switching for calls originated from or terminated to an IXC for completion:

2.5.1 For calls originated from Interloop's customer to an IXC switch for completion.

2.5.1.1 (For use of the local switch): local switching charge at the originating office.

2.5.1.2 Shared Transport;

2.5.1.3 Tandem Switching

2.5.2 For calls terminating to Interloop's customer from an IXC switch for completion:

2.5.2.1 (For use of the local switch): local switching charge at the terminating office.

2.5.2.2 Shared Transport;

2.5.2.3 Tandem Switching

3. Unbundled local switching will be billed on a per minute of use basis and applied to all originating and interswitch terminating traffic, including, but not limited to local, toll, operator services, directory assistance, 911/E-911, 500, 700, 800/888, 900, 950, 976, busy calls, no answer, incomplete. Where non-conversation time cannot be measured, the parties will mutually agree on the appropriate measure and charge. Where measurement of terminating local switching minutes is not available, the number of minutes billed for terminating usage will be equal to the number of originating minutes. The Parties will mutually agree on a method and procedure to periodically sample and validate or adjust the ratio of originating to terminating minutes for billing purposes.

COLLOCATION ATTACHMENT

1. General.

This Collocation Attachment (Attachment), together with Articles I and II, sets forth the terms and conditions under which Verizon shall provide collocation services to Interloop. Collocation provides, where technically feasible and where space is available, for access to Verizon's "Premises", for the purpose of interconnection for the exchange of traffic with Verizon and/or access to Unbundled Network Elements (UNEs). Verizon's Premises include Verizon's Wire Centers, access tandems, and other buildings or similar structures owned or leased by Verizon that house Verizon's network facilities. Collocation at Verizon's Wire Centers and access tandems shall be accomplished through caged or cageless service offerings, as described below, except if not practical for technical reasons or due to space limitations. In such event, Verizon shall provide adjacent collocation or other methods of collocation, subject to space availability and technical feasibility. As required by Applicable Law, Verizon shall also offer rates, terms and conditions for collocation services that are not expressly addressed in this Attachment or other Verizon tariffs on a Bona Fide Request ("BFR") basis, and in doing so, shall comply with all applicable federal or state requirements.

By agreeing to the terms of this Attachment or the collocation of any equipment hereunder: (1) Verizon does not waive, and expressly reserves, its rights to continue to challenge the legality of the FCC Collocation Order (Docket No. 98-147) and to take further action regarding this matter as future circumstances warrant; (2) Verizon does not intend to, and therefore does not establish any precedent, waiver, course of dealing or in any way evidence Verizon's position or intent with regard to future collocation requests; and (3) Verizon specifically reserves the right to incorporate herein the decision by the United States Court of Appeals for the District of Columbia Circuit on March 17, 2000 (See, GTE Service Corporation, et. al. v. Federal Communications Commission and United States of America, No. 99-1176, consolidated with No. 99-1201, 2000 U.S. App. LEXIS 4111 (D.C. Cir. 2000)).

2. Types of Collocation.

2.1 Single Caged.

A single caged arrangement is a form of caged collocation, which allows a single CLEC to lease caged floor space to house its equipment within Verizon Premises. For additional details on single caged collocation see Verizon's Collocation Services Packet (CSP), which is described in Section 3.1.1.

2.2 Shared Caged.

A shared caged arrangement is a newly constructed caged collocation arrangement that is jointly applied for and occupied by two or more CLECs within a Verizon Premise. When two or more CLECs request establishment and jointly apply for a new caged collocation arrangement to be used as a shared caged arrangement, one of the participating CLECs must agree to be the host CLEC (HC) and the other(s) to be the guest CLEC (GC). . The HC and GC(s) are solely responsible for determining whether to share a shared caged collocation arrangement and if so, upon what terms and conditions. Verizon will not issue separate billing for any of the rate elements associated with the shared caged collocation arrangement between the HC and the GC(s), but Verizon will provide the HC with information on the proportionate share of the NRCs for each CLEC in the shared arrangement. The HC will be responsible for ordering and payment of all collocation applicable services ordered by the HC and GC(s). The HC and

GC(s) are Verizon's customers and have all the rights and obligations applicable hereunder to CLECs purchasing collocation-related services, including, without limitation, the obligation to pay all applicable charges, whether or not the HC is reimbursed for all or any portion of such charges by the guest(s). All terms and conditions for caged collocation as described in this Attachment will apply to shared caged collocation requirements. For additional details on shared caged collocation see Verizon's Collocation Services Packet (CSP), which is described in Section 3.1.1.

2.3 Subleased Caged.

Vacant space available in a CLEC's caged collocation arrangement may be made available to a third party(s) for the purpose of interconnection and/or for access to UNEs in Verizon Premises via the subleasing collocation arrangement detailed in Verizon's CSP. The CLEC would sublease the floor space to the third party(s) pursuant to terms and conditions agreed to by the CLEC and the third party(s) involved. The CLEC is solely responsible for determining whether to sublease a shared caged collocation arrangement and if so, upon what terms and conditions. Verizon will not issue separate billing for any of the rate elements associated with the subleased caged collocation arrangement between the CLEC and the third party(s). The CLEC will be responsible for ordering and payment of all collocation applicable services ordered by the CLEC and the third party(s). The CLEC and third party(s) are Verizon's customers and have all the rights and obligations applicable hereunder to CLECs purchasing collocation-related services, including, without limitation, the obligation to pay all applicable charges, whether or not the CLEC is reimbursed for all or any portion of such charges by the third party(s). All terms and conditions for caged collocation as described in this Attachment will apply to subleased caged collocation requirements. For additional details on subleased caged collocation, see Verizon's CSP, which is described in Section 3.1.1.

2.4 Cageless.

Cageless collocation is a form of collocation in which CLECs can place their equipment in Verizon Premises. A cageless collocation arrangement allows a CLEC, using Verizon approved vendors, to install equipment in single bay increments in an area designated by Verizon. The equipment location will be designated by Verizon and will vary based on individual Verizon Premise configurations. CLEC equipment will not share the same equipment bays with Verizon equipment. For additional details on cageless collocation see Verizon's CSP, which is described in Section 3.1.1.

2.5 Adjacent.

An adjacent collocation arrangement permits a CLEC to construct or procure a structure on Verizon property for collocation for the purposes of provisioning expanded interconnection and/or access to UNEs in accordance with the terms and conditions of this Agreement. Adjacent collocation is only an option when the following conditions are met: (1) space is legitimately exhausted in Verizon's Premise; and (2) it is technically feasible to construct a hut or similar structure on Verizon property that adheres to local building code, zoning requirements, and Verizon building standards. Interloop is responsible for complying with all zoning requirements, any federal, state or local regulations, ordinances and laws, and obtaining all associated permits. Verizon may, where required, participate in the zoning approval and permit acquisitions. Interloop may not take any action in establishing an adjacent structure that will force Verizon to violate any zoning requirements or any federal, state, or local regulations, ordinances, or laws.

Any construction by Interloop on Verizon property must comply with Verizon's technical specifications as they relate to environmental safety and grounding requirements set forth in Verizon's Collocation Services Packet. Verizon will make available power and physical

collocation services to Interloop in the same non-discriminatory manner as it provides itself for its own remote equipment buildings (REBs). For additional details on adjacent collocation, see Verizon's CSP, which is described in Section 3.1.1.

2.6 Other.

A CLEC shall have the right to order collocation services offered pursuant to Verizon tariffs following the effective date of this Agreement, including, without limitation, the right to order virtual collocation services in accordance with, and subject to, the terms of Verizon's existing federal collocation tariff (GTOC Tariff No. 1). The terms of this Attachment shall not apply to said tariff collocation services. However, new collocation services ordered outside of said tariffs on or after the effective date will be provided pursuant to the terms of this Agreement.

Physical collocation of microwave transmission facilities will be permitted except where such collocation is not practical for technical reasons or because of space limitations. Requests are to be submitted via a BFR process.

3. Ordering.

3.1 Application.

- 3.1.1 Point of Contact/CSP Packet. Verizon will establish points of contact for Interloop to contact to place a request for collocation. The point of contact will provide Interloop with the CSP, which shall contain general information and requirements, including a list of engineering and technical specifications, fire, safety, security policies and procedures, and an application form.
- 3.1.2 Application Form/Fee. Interloop requesting collocation at a Verizon Premise will be required to complete the application form and submit the non-refundable engineering fee set forth in Appendix A described in Section 6.1 for each Verizon Premise at which collocation is requested. The application form will require Interloop to provide all engineering, floor space (where applicable), power, environmental and other requirements necessary for the function of the service. Interloop will provide Verizon with specifications for any non-standard or special requirements at the time of application. Verizon reserves the right to assess the customer any additional charges on an individual case basis ("ICB") associated with complying with the requirements. Any such charges shall be noticed to Interloop.
- 3.1.3 Notification of Acceptance/Rejection. Verizon will notify Interloop in writing within fifteen (15) calendar days following receipt of the completed application if Interloop's requirements cannot be accommodated as specified. Should Interloop submit ten (10) or more applications within a ten (10) calendar day period, the response interval will be increased by ten (10) calendar days for every ten (10) additional applications or fraction thereof.
- 3.1.4 Changes. The first application form filed by Interloop shall be designated the original application. Original applications for collocation arrangements for sites that have not been inspected and approved by Interloop and Verizon are subject to requests for minor or major changes to the site requested in the application. Changes will not be initiated until a completed application has been submitted along with appropriate Engineering Fee, if applicable.

Major changes are requests that add telecommunications equipment that requires additional AC or DC power; heating, ventilation, and air conditioning (HVAC) system modifications; or change the size of the cage. At the election of Interloop, major changes may be handled in one of the following two methods to the extent technically feasible.

3.1.4.1 Method 1: Additional Application. Interloop may elect to have a major change to its original collocation application treated by Verizon as a separate, additional application. An additional application is subject to the same provisioning process and conditions as an original application. On receipt of a complete additional application and Engineering Fee, Verizon will notify Interloop in writing within fifteen (15) calendar days following receipt of the completed additional application if the Interloop additional requirements can or cannot be accommodated as specified. Filing an additional application does not change Verizon's obligation to process and fulfill the original application nor does it change the time intervals applicable to the processing and fulfillment of the original application. All of the provisions herein applicable to an original application similarly apply to an additional application.

3.1.4.2 Method 2: Supplemental Application. Interloop may elect to have a major change to its original collocation application treated by Verizon as a supplemental application. A supplemental application may affect Verizon's obligation to process and fulfill the original application. On receipt of a supplemental application and Engineering Fee, Verizon will notify Interloop in writing within fifteen (15) calendar days following receipt of the completed supplemental application if Interloop requirements can or cannot be accommodated as specified. Upon notification that Verizon can accommodate the requirements of the supplemental application, Interloop may elect to proceed with the supplemental application. Verizon's obligations under the original application will be merged with the obligations of the supplemental application and the combined project time line will be based on the date the supplemental application was received. All of the provisions herein applicable to an original application similarly apply to a supplemental application.

3.1.4.3 Minor changes are those requests that do not require additional AC or DC power, HVAC upgrades, or changes in cage/floor space. The Interloop will be required to submit a revised application but the deliverable dates for the project will not change.

3.2 Space Availability.

Verizon will notify Interloop within fifteen (15) calendar days following receipt of the completed application form and non-refundable engineering fee if space is available at the selected Verizon Premise. If space is not available, Verizon will notify Interloop in writing. Space availability and reservation shall be determined in accordance with Section 5.

3.3 Price Quote.

Verizon shall provide Interloop with a price quote for collocation services required to accommodate Interloop's request within thirty (30) calendar days of Interloop's application date, provided that no ICB rates are required in the quote. Verizon reserves the right to change the price quote at any time prior to acceptance by Interloop. If the

quote is not accepted by Interloop within such ninety (90) day period, Interloop will be required to submit a new application form and engineering fee and a new quote will be provided based on the new application form.

3.4 ASR.

Upon notification of available space, Interloop will be required to send a completed Access Service Request ("ASR") form to Verizon's collocation point of contact. A copy of an ASR form is included in the CSP.

3.5 Augmentation.

All requests for an addition or change to an existing collocation arrangement that has been inspected and turned over to the CLEC is considered an augmentation. An augmentation request will require the submission of a complete application form and a non-refundable Engineering or Minor Augment fee. A Minor Augment fee may not be required under the circumstances outlined below. The definition of a major or minor augment is as follows:

3.5.1 Major Augments of caged and cageless collocation arrangements are those requests that: (a) require AC or DC power; (b) add equipment that generates more BTU's of heat, or (c) increase the caged floor space over what Interloop requested in its original application. A complete application and Engineering Fee will be required when submitting a caged or cageless request that requires a Major Augment.

3.5.2 Minor Augments of caged and cageless collocation arrangements will require the submission of a complete application form and the Minor Augment Fee. Minor augments are those requests that: (a) do not require additional DC and AC power, (b) do not add equipment that generates more BTU's of heat, or (c) do not increase the caged floor space, over what Interloop requested in its original application. The requirements of a Minor Augment request cannot exceed the capacity of the existing/proposed electrical, power or HVAC system. Requests for CLEC to CLEC Interconnects and DSO, DS1, and DS3 facility terminations are included as Minor Augments.

Minor Augments that require an augment fee are those requests that require Verizon to perform a service or function on behalf of Interloop including but not limited to: requests to pull cable for CLEC to CLEC Interconnects and DS0, DS1, and DS3 facility terminations.

Minor Augments that do not require a fee are those augments performed solely by Interloop, that do not require Verizon to provide a service or function on behalf of Interloop, including but not limited to, requests to install additional equipment in Interloop collocation space. Prior to the installation of the additional equipment, Interloop agrees to provide Verizon an application form with an updated equipment listing that includes the new equipment to be installed in Interloop's collocation arrangement. Once the equipment list is submitted to Verizon, Interloop may proceed with the augment. Interloop agrees that changes in equipment provided by Interloop under this provision will not exceed the engineering specifications for power and HVAC as requested on original application. All augments will be subject to Verizon inspection, in accordance with term of this contract for the purpose of ensuring compliance with Verizon safety standards.

3.6 Expansion.

Verizon will not be required to construct additional space to provide for Interloop collocation when available space has been exhausted. Where Interloop seeks to expand its existing collocation space, Verizon shall make contiguous space available to the extent possible; provided, however, Verizon does not guarantee contiguous space to Interloop to expand its existing collocation space. Interloop requests for expansion of existing space within a specific Verizon Premise will require the submission of an application form and the appropriate Major Augment fee.

3.7 Relocation.

Interloop requests for relocation of the termination equipment from one location to a different location within the same Verizon Premise will be handled on an ICB basis. Interloop will be responsible for all costs associated with the relocation of its equipment.

4. Installation and Operation.

4.1 Planning and Coordination.

Upon receipt of the ASR and fifty percent (50%) of the applicable NRCs, as set forth in Appendix A described in Section 6.1, associated with the ordered collocation services, Verizon will:

- 4.1.1 Schedule a meeting with Interloop to determine engineering and network requirements.
- 4.1.2 Initiate the necessary modifications to the Verizon Premise to accommodate Interloop's request.
- 4.1.3 Work cooperatively with Interloop to ensure that services are installed in accordance with the service requested.

Interloop is responsible for coordinating with Verizon to ensure that services are installed in accordance with the ASR. Interloop shall meet with Verizon, if requested by Verizon, to review design and work plans for installation of Interloop's designated equipment within Verizon Premises. Interloop is responsible to have all cables and other equipment to be furnished by Interloop ready for installation on the date scheduled. If Interloop fails to notify Verizon of a delay in the installation date, Interloop will be subject to the appropriate additional labor charge set forth on Appendix A described in Section 6.1.

4.2 Space Preparation.

- 4.2.1 Cage Construction. For caged collocation, Verizon will construct the cage with a standard enclosure or Interloop may subcontract this work to a Verizon approved contractor.
- 4.2.2 Site Selection/Power. Verizon shall designate the space within its Premise where Interloop shall collocate its equipment. Where applicable, Verizon shall provide, at the rates set forth in Appendix A described in Section 6.1, 48V DC power with generator and/or battery back-up, AC convenience outlet, heat, air conditioning and other environmental support to Interloop's equipment in the same standards and parameters required for Verizon equipment within that Verizon Premise. Verizon will be responsible for the installation of the AC

convenience outlets, overhead lighting and equipment superstructure per the established rates.

4.2.3 Timing. Verizon shall use its best efforts to minimize the additional time required to condition collocation space, and will inform Interloop of the time estimates as soon as possible. Verizon shall complete delivery of the floor space to Interloop within ninety (90) calendar days of receipt of fifty percent (50%) of the NRCs assuming that the material shipment and construction intervals for the improvements required to accommodate the request (e.g., HVAC, system/power plant upgrade/cables) are met. Space delivery within such timeframe shall also be subject to the permitting process of the local municipality. Prior to Interloop beginning the installation of its equipment in a cage, bay, cabinet, or outside Facility. Interloop and Verizon must conduct a walk through of the designated collocation space. Upon acceptance of the arrangement by Interloop, billing will be initiated, access cards and/or keys will be issued and Interloop may begin installation of its equipment.

4.3 Equipment and Facilities.

4.3.1 Purchase of Equipment. Interloop will be responsible for supply, purchase, delivery, installation and maintenance of its equipment and equipment bay(s) in the collocation area. If Interloop chooses, Verizon will assist Interloop in the purchase of equipment by establishing a contact point with Verizon Supply. Verizon is not responsible for the design, engineering, or performance of Interloop's equipment and provided facilities for collocation.

4.3.2 Permissible Equipment. Interloop is permitted to place in its collocation space only equipment that is used or useful for interconnection or access to UNEs. Interloop shall not place in its collocation space equipment that is designed exclusively for switching or enhanced services and that are not necessary for interconnection or access to UNEs. Interloop may place in its caged collocation space ancillary equipment such as cross connect frames, and metal storage cabinets. Metal storage cabinets must meet Verizon Premise environmental standards.

4.3.3 Specifications. Interloop's facilities shall not physically, electronically, or inductively interfere with or impair the service of Verizon's or other CLEC's facilities, create hazards or cause physical harm to any individual or the public. All Interloop equipment used for collocation must be tested to, and must meet (1) the NEBS Level 1 family of requirements as described in Telecordia Special Report SR-3580, plus be tested to (2) specific additional risk/safety/hazard criteria specified in Addendum E of the CSP. Any Interloop equipment that does not conform to requirement (1) may not be installed on Verizon property. A cabinet may be used to mitigate deficiencies identified in requirement (2). Verizon reserves the right to remove and/or refuse use of CLEC facilities and equipment from its list of approved products if such products, facilities, and equipment are determined to be no longer compliant with the applicable NEBS standards or Electromagnetic Compatibility and Electrical Safety Generic Criteria for Network Telecommunications Equipment (GR-1089-CORE). Verizon also reserves the right to remove and/or refuse use of Interloop facilities or equipment that does not meet or comply with the NEBS equipment requirements specified in Addendum E of the CSP.

4.3.4 Cable. Interloop is required to provide proper cabling, based on circuit type (VF, DS0, xDSL, DS1, DS3, etc.) to ensure adequate shielding. Verizon cable standards (which are set forth in the CSP) are required to reduce the possibility

of interference. Interloop is responsible for providing fire retardant riser cable that meets Verizon standards. Verizon is responsible for placing Interloop's fire retardant riser cable from the cable vault to the collocation space. Verizon is responsible for installing Interloop provided fiber optic cable in the cable space or conduit from the first manhole. This may be shared conduit with dedicated inner duct. If Interloop provides its own fiber optic facility, then Interloop shall be responsible for bringing its fiber optic cable to the Verizon Premise manhole. Interloop must leave sufficient cable length for Verizon to be able to fully extend such cable through to Interloop's collocation space.

- 4.3.5 **Manhole/Splicing Restrictions.** Verizon reserves the right to prohibit all equipment and facilities, other than fiber optic cable, in its manholes. Interloop will not be permitted to splice fiber optic cable in the first manhole outside of the Verizon Premise. Where Interloop is providing underground fiber optic cable in Manhole #1, it must be of sufficient length as specified by Verizon to be pulled through the Verizon Premise to Interloop's collocation space. Verizon is responsible for installing a cable splice, if necessary, where Interloop provided fiber optic cable meets Verizon standards within the Verizon Premise cable vault or designated splicing chamber. Verizon will provide space and racking for the placement of an approved secured fire retardant splice enclosure.
- 4.3.6 **Access Points and Restrictions.** The interconnection point for caged and cageless collocation is the point where Interloop-owned cable facilities connect to Verizon termination equipment. The demarcation point for Interloop is Interloop's terminal equipment or interconnect/cross connect panel within Interloop's cage, bay/frame or cabinet. Interloop must tag all entrance facilities to indicate ownership. Interloop will not be allowed access to Verizon's DSX line-ups, MDF or any other Verizon facility termination points. The DSX and MDF are to be considered Verizon demarcation points only. Only Verizon employees, agents or contractors will be allowed access to the MDF or DSX to terminate facilities, test connectivity, run jumpers and/or hot patch in-service circuits. Verizon shall have the right to require Interloop to terminate its facilities onto a Point of Termination (POT) Bay.
- 4.3.7 **Staging Area.** For caged and cageless collocation arrangements, Interloop shall have the right to use a designated staging area, a portion of the Verizon Premise and loading areas, if available, on a temporary basis during Interloop's equipment installation work in the collocation space. Interloop is responsible for protecting Verizon's equipment Verizon Premise walls and flooring within the staging area and along the staging route. Interloop will meet all Verizon fire, safety, security and environmental requirements. The temporary staging area will be vacated and delivered to Verizon in an acceptable condition upon completion of the installation work. Interloop may also utilize a staging trailer, which can be located on the exterior premises of Verizon Premise. Verizon may assess Interloop a market value lease rate for the area occupied by the trailer.
- 4.3.8 **Testing.** Upon installation of Interloop's equipment, and with prior notice, Verizon will schedule time to work with Interloop during the turn-up phase of the equipment to ensure proper functionality between Interloop's equipment and the connections to Verizon equipment. The time period for this to occur will correspond to Verizon's maintenance window installation requirements. It is solely the responsibility of Interloop to provide their own monitor and test points, if required, for connection directly to its terminal equipment.
- 4.3.9 **Collocator to Collocator Interconnect Arrangements.** Verizon shall provide, upon Interloop's request, a Collocator to Collocator Interconnect arrangement between

Interloop's equipment and the equipment of other collocated CLECs. When initiating a Collocator to Collocator Interconnect request, Interloop must submit and Application Form, ASR, and a Minor Augment fee. Verizon will be responsible for engineering and installing the overhead superstructure for the Collocator to Collocator Interconnect arrangement, if required, and determining the appropriate cable route. Interloop has the option of providing all cables and connectors and the option of pulling the cables for the Collocator to Collocator Interconnect arrangement. If Verizon provides the cables and connectors and/or pulls the cable, the applicable cable and labor rates will be applied.

4.4 Access to Collocation Space.

Verizon will permit Interloop's employees, agents, and contractors approved by Verizon to have direct access to Interloop's collocated equipment twenty-four (24) hours a day, seven (7) days a week. Interloop's employees, agents, or contractors must comply with the policies and practices of Verizon pertaining to fire, safety, and security as described in Verizon's Security Procedures and Requirements Guidelines, which are attached to the CSP. Verizon reserves the right, with twenty-four (24) hours prior notice to Interloop, to access Interloop's collocated partitioned space to perform periodic inspections to ensure compliance with Verizon installation, safety and security practices. Where Interloop shares a common entrance to the Verizon Premise with Verizon, the reasonable use of shared building facilities, e.g., elevators, unrestricted corridors, etc., will be permitted. However, Verizon reserves the right to permanently remove and/or deny access from Verizon premises, any Interloop employee, agent, or contractor who violates Verizon's policies, work rules, or business conduct standards, or otherwise poses a security risk to Verizon.

4.5 Network Outage, Damage and Reporting.

Interloop shall be responsible for: (a) any damage or network outage occurring as a result of CLEC owned or CLEC designated termination equipment in Verizon Premise; (b) providing trouble report status when requested; (c) providing a contact number that is readily accessible twenty-four (24) hours a day, seven (7) days a week; (d) notifying Verizon of significant outages which could impact or degrade Verizon's switches and services and provide estimated clearing time for restoral; and (e) testing its equipment to identify and clear a trouble report when the trouble has been sectionalized (isolated) to Interloop service.

Verizon will make every effort to contact Interloop in the event Interloop equipment disrupts the network. If Verizon is unable to make contact with Interloop, Verizon shall temporarily disconnect Interloop's service, as provided in Section 4.7.

4.6 Security Requirements.

4.6.1 Background Tests; Training. All employees, agents and contractors of Interloop must meet certain minimum requirements as established in Verizon's CSP. At the time Interloop places the collocation ASR for collocation, or as soon as reasonably practicable thereafter, Interloop must submit to Verizon's Security Department for prior approval the background investigation certification form included in the CSP for all employees, agents and contractors that will require access to Verizon Premises. Interloop agrees that its employees/vendors with access to Verizon Premises shall at all times adhere to the rules of conduct established by Verizon for the Verizon Premises and Verizon's personnel and vendors. Verizon reserves the right to make changes to such procedures and rules to preserve the integrity and operation of Verizon's network or facilities or to comply with applicable laws and regulations. Verizon will provide Interloop with

written notice of such changes. Where applicable, Verizon will provide information to Interloop on the specific type of security training required so Interloop's employees can complete such training.

4.6.2 Security Standards. Verizon will be solely responsible for determining the appropriate level of security in each Verizon Premise. Verizon reserves the right to deny access to Verizon buildings and/or outside Facility structures for any Interloop employee, agent or contractor who cannot meet Verizon's established security standards. Employees, agents or contractors of Interloop are required to meet the same security requirements and adhere to the same work rules that Verizon's employees and contractors are required to follow. Verizon also reserves the right to deny access to Verizon buildings and/or outside Facility structures for Interloop's employee, agent and contractor for falsification of records, violation of fire, safety or security practices and policies or other just cause. Verizon may use reasonable security measures to protect its equipment, including enclosing its equipment in its own cage or other separation, utilizing monitored card reader systems, digital security cameras, badges with computerized tracking systems, identification swipe cards, keyed access and/or logs, as deemed appropriate by Verizon.

4.6.3 Access Cards/Identification. Access cards or keys will be provided to no more than a reasonable number of individuals for Interloop for each Verizon Premise for the purpose of installation, maintenance and repair. All Interloop employees, agents and contractors requesting access to the Verizon Premise are required to have a photo identification card, which identifies the person by name and the name of Interloop. The ID must be worn on the individual's exterior clothing while on or at Verizon Premises. Verizon will provide Interloop with instructions and necessary access cards or keys to obtain access to Verizon buildings and/or outside Facility structures. Interloop is required to immediately notify Verizon by the most expeditious means, when any Interloop's employee, agent or contractor with access privileges to Verizon buildings and/or outside Facility structures is no longer in its employ, or when keys, access cards or other means of obtaining access to Verizon buildings and/or outside Facility structures are lost, stolen or not returned by an employee, agent or contractor no longer in its employ. Interloop is responsible for the immediate retrieval and return to Verizon of all keys, access cards or other means of obtaining access to Verizon buildings and/or outside Facility structures upon termination of employment of Interloop's employee and/or termination of service. Interloop shall be responsible for the replacement cost of keys, access cards or other means of obtaining access when lost, stolen or failure of Interloop or Interloop's employee, agent or contractor to return to Verizon.

4.7 Emergency Access.

Interloop is responsible for providing a contact number that is readily accessible 24 hours a day, 7 days a week. Interloop will provide access to its collocation space at all times to allow Verizon to react to emergencies, to maintain the building operating systems (where applicable and necessary) and to ensure compliance with OSHA/Verizon regulations and standards related to fire, safety, health and environment safeguards. Verizon will attempt to notify Interloop in advance of any such emergency access. If advance notification is not possible Verizon will provide notification of any such entry to Interloop as soon as possible following the entry, indicating the reasons for the entry and any actions taken which might impact Interloop's facilities or equipment and its ability to provide service. Verizon will restrict access to Interloop's collocation space to persons necessary to handle such an emergency. The emergency provisioning and restoration of interconnection service shall be in accordance with Part 64, Subpart D, Paragraph

64.401, of the FCC's Rules and Regulations, which specifies the priority for such activities. Verizon reserves the right, without prior notice, to access Interloop's collocation space in an emergency, such as fire or other unsafe conditions, or for purposes of averting any threat of harm imposed by Interloop or Interloop's equipment upon the operation of Verizon's equipment, facilities and/or employees located outside Interloop's collocation space. Verizon will notify Interloop as soon as possible when such an event has occurred. In case of a Verizon work stoppage, Interloop's employees, contractors or agents will comply with the emergency operation procedures established by Verizon. Such emergency procedures should not directly affect Interloop's access to its premises, or ability to provide service. Interloop will notify Verizon point of contact of any work stoppages by Interloop employees.

5. Space Requirements.

5.1 Space Availability.

Verizon shall permit Interloop to secure collocation space on a first-come, first-serve priority basis upon Verizon's receipt of fifty percent (50%) of the applicable NRCs described in Section 4.1. If Verizon is unable to accommodate caged and cageless collocation requests at a Verizon Premise due to space limitations or other technical reasons, Verizon will post a list of all such sites on its website and will update the list within ten (10) calendar days of the date at which a Verizon Premise runs out of caged and cageless collocation space. This information will be listed at the following public Internet URL: <http://www.qte.com/Regulatory>. Where Verizon is unable to accommodate caged and cageless collocation requests at a Verizon Premise due to space limitations or other technical reasons, Verizon shall: (a) submit to the state commission, subject to any protective order as the state may deem necessary, *detailed floor plans or diagrams of the Verizon Premise*; and (b) allow Interloop to tour the entire premises of the Verizon Premise, without charge, within ten (10) calendar days of the tour request.

5.2 Minimum/Maximum/Additional Space.

The minimum amount of floor space available to Interloop at the time of the initial application will be twenty-five (25) square feet of caged collocation space or one (1) single bay in the case of cageless collocation. The maximum amount of space available in a specific Verizon Premise to Interloop will be limited to the amount of existing suitable space which is technically feasible to support the collocation arrangement requested. Existing suitable space is defined as available space in a Verizon Premise which does not require the addition of AC/DC power, heat and air conditioning, battery and/or generator back-up power and other requirements necessary for provisioning collocation services. Additional space to provide for caged, cageless and/or adjacent collocation will be provided on a per request basis, where available. Additional space can be requested by Interloop by completing and submitting a new application form and the applicable non-refundable engineering fee set forth in Appendix A described in Section 6.1. Verizon will not be required to lease additional space when available space has been exhausted.

5.3 Use of Space.

Verizon and Interloop will work cooperatively to determine proper space requirements, and efficient use of space. In addition to other applicable requirements set forth in this Agreement, Interloop shall install all its equipment within its designated area in contiguous line-ups in order to optimize the utilization of space within Verizon's Premises. Interloop shall use the collocation space solely for the purposes of installing, maintaining and operating Interloop's equipment to interconnect for the exchange of traffic with Verizon and/or for purposes of accessing UNEs. Interloop shall not construct improvements or make alterations or repairs to the collocation space without the prior

written approval of Verizon. The collocation space may not be used for administrative purposes and may not be used as Interloop's employee(s) work location, office or retail space, or storage. The collocation space shall not be used as Interloop's mailing or shipping address.

5.4 Reservation of Space.

Verizon reserves the right to manage its Verizon Premise conduit requirements and to reserve vacant space for planned facility. Verizon will retain and reserve a limited amount of vacant floor space within its Verizon Premises for its own specific future uses on terms no more favorable than applicable to other CLECs seeking to reserve collocation space for their own future use. If the remaining vacant floor space within a Verizon Premise is reserved for Verizon's own specific future use, the Verizon Premise will be exempt from future caged and cageless collocation requests. Interloop shall not be permitted to reserve Verizon Premise cable space or conduit system. If new conduit is required, Verizon will negotiate with Interloop to determine an alternative arrangement for the specific location. Interloop will be allowed to reserve collocation space for its caged/cageless arrangements based on Interloops documented forecast provided Verizon and subject to space availability. Such forecast must demonstrate a legitimate need to reserve the space for use on terms no more favorable than applicable to Verizon seeking to reserve vacant space for its own specific use. Cageless collocation bays may not be used solely for the purpose of storing Interloop equipment.

5.5 Collocation Space Report.

Upon request by Interloop and upon Interloop signing a collocation nondisclosure agreement, Verizon will make available a collocation space report with the following information for the Verizon Premise requested:

- 5.5.1 Amount of caged and cageless collocation space available;
- 5.5.2 Number of telecommunications carriers with existing collocation arrangements;
- 5.5.3 Modifications of the use of space since the last collocation space report requested; and,
- 5.5.4 Measures being taken, if any, to make additional collocation spaces available.

The collocation space report is not required prior to the submission of a collocation application for a specific Verizon Premise in order to determine collocation space availability for the Verizon Premise. The collocation space report will be provided to Interloop within ten (10) calendar days of the request provided the request is submitted during the ordinary course of business. A collocation space report fee contained in Appendix A will be assessed per request and per Verizon Premise.

5.6 Reclamation.

When initiating an application form, Interloop must have started installing equipment approved for collocation at Verizon Premise within a reasonable period of time, not to exceed six (6) months from the date Interloop accepts the collocation arrangement. If Interloop does not utilize its collocation space within the established time period, and has not met the space reservation requirements of Section 5.4 to the extent applicable, Verizon may reclaim the unused collocation space to accommodate another CLEC's request or Verizon's future space requirements. Verizon shall have the right, for good cause shown, and upon six (6) months' notice, to reclaim any collocation space, cable

space or conduit space in order to fulfill its obligation under public service law and its tariffs to provide telecommunication services to its Customers. In such cases, Verizon will reimburse Interloop for reasonable direct costs and expenses in connection with such reclamation. Verizon will make every reasonable effort to find other alternatives before attempting to reclaim any such space.

6. Pricing.

6.1 Rate Sheet.

The rates for Verizon's collocation services provided pursuant to this Agreement are set forth in Appendix A attached hereto. Notwithstanding anything in this Agreement to the contrary, the rates identified in this attachment may be superseded by rates contained in future final, binding and non-appealable regulatory orders or as otherwise required by legal requirements (the "final rates"). In particular, Verizon may elect to file a state tariff which shall contain final rates that supersede the rates in said attachment. To the extent that the final rates, or the terms and conditions for application of the final rates, are different than the rates in Appendix A, the final rates will be applied retroactively to the effective date of this Agreement. The Parties will true up any resulting over or under billing.

6.2 Billing and Payment.

The initial payment of NRCs shall be due and payable in accordance with Section 4.1. The balance of the NRCs and all related monthly recurring service charges will be billed to Interloop when Verizon provides Interloop access to the caged, cageless or adjacent collocation arrangement and shall be payable in accordance with applicable established payment deadlines.

7. Casualty.

If the collocation equipment location in Verizon's Premise is rendered wholly unusable through no fault of Interloop, or if the Verizon Premises shall be so damaged that Verizon shall decide to demolish it, rebuild it, or abandon (whether or not the demised Verizon Premises are damaged in whole or in part), then, in any of such events, Verizon may elect to terminate the collocation arrangements in the damaged building or outside Facility structure by providing written notification to Interloop as soon as practicable but no later than one hundred eighty (180) calendar days after such casualty specifying a date for the termination of the collocation arrangements, which shall not be more than sixty (60) calendar days after the giving of such notice. Upon the date specified in such notice, the term of the collocation arrangement shall expire as fully and completely as if such date were the date set forth above for the termination of this Agreement. Interloop shall forthwith quit, surrender and vacate the Verizon Premises without prejudice. Unless Verizon shall serve a termination notice as provided for herein, Verizon shall make the repairs and restorations with all reasonable expedition subject to delays due to adjustment of insurance claims, labor troubles and causes beyond Verizon's reasonable control. After any such casualty, Interloop shall cooperate with Verizon's restoration by removing from the collocation space, as promptly as reasonably possible, all of Interloop's salvageable inventory and movable equipment, furniture and other property. Verizon will work cooperatively with Interloop to minimize any disruption to service, resulting from any damage. Verizon shall provide written notification to Interloop detailing its plans to rebuild and will restore service as soon as practicable. In the event of termination, Verizon's rights and remedies against Interloop in effect prior to such termination, and any fees owing, shall be paid up to such date. Any payments of fees made by Interloop which were because any period after such date shall be returned to Interloop.

8. Termination of Service.

8.1 Grounds for Termination.

Verizon's obligation to provide collocation is contingent upon Interloop's compliance with the terms and conditions of this Attachment and other applicable requirements of this Agreement, including, without limitation, Verizon's receipt of all applicable fees, rates, charges, application forms and required permits. Failure of Interloop to make payments when due may result in termination of service. In addition to the other grounds for termination of collocation services set forth herein, Verizon also reserves the right to terminate such services upon thirty (30) calendar days notice in the event Interloop: (a) is not in conformance with Verizon standards and requirements; and/or (b) imposes continued disruption and threat of harm to Verizon employees and/or network, or Verizon's ability to provide service to other CLECs.

8.2 Effects of Termination.

Upon the termination of collocation service, Interloop shall disconnect and remove its equipment from the designated collocation space. Verizon reserves the right to remove Interloop's equipment if Interloop fails to remove and dispose of the equipment within the thirty (30) calendar days of discontinuance. Interloop will be charged the appropriate additional labor charge in Appendix A for the removal of such equipment. Upon removal by Interloop of all its equipment from the collocation space, Interloop will reimburse Verizon for the cost to restore the collocation space to its original condition at time of occupancy. The cost will be applied based on the additional labor charges rate set forth in Appendix A. Upon termination of collocation services, Interloop relinquishes all rights, title and ownership of cable to Verizon.

9. Miscellaneous.

Verizon retains ownership of Verizon Premise floor space, adjacent land and equipment used to provide all forms of collocation. Verizon reserves for itself and its successors and assignees, the right to utilize the Verizon Premises' space in such a manner as will best enable it to fulfill Verizon's service requirements. Interloop does not receive, as a result of entering into a collocation arrangement hereunder, any right, title or interest in Verizon's Premise Facility, the multiplexing node, multiplexing node enclosure, cable space, cable racking, vault space or conduit space other than as expressly provided herein. To the extent that Interloop requires use of a Verizon local exchange line, Interloop must order a business local exchange access line (B1). Interloop may not use Verizon official lines.

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**APPENDIX A TO THE COLLOCATION ATTACHMENT
COLLOCATION RATES**

CAGED COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate
<u>Non-Recurring Prices</u>			
Engineering Costs			
Engineering/Major Augment Fee	per occurrence	NRC	\$1,129.00
Minor Augment Fee	per occurrence	NRC	\$200.00
Access Card Administration (New/Replacement)	per card	NRC	\$21.00
Cage Enclosure			
25 - 100 Square Feet Floor Space	per cage	NRC	\$4,907.00
101 - 200 Square Feet Floor Space	per cage	NRC	\$5,661.00
201 - 300 Square Feet Floor Space	per cage	NRC	\$7,021.00
301 - 400 Square Feet Floor Space	per cage	NRC	\$8,382.00
401 - 500 Square Feet Floor Space	per cage	NRC	\$9,742.00
Augment	per SF fencing	NRC	\$13.00
DC Power	per 40 amps	NRC	\$2,473.00
Overhead Superstructure	per project	NRC	\$2,372.00
Facility Pull/Termination			
Engineering	per project	NRC	\$72.00
Facility Pull	per cable run	NRC	\$190.00
DS0 Cable Termination	per 100 pair	NRC	\$4.00
DS1 Cable Termination	per 28 pair	NRC	\$1.00
DS3 Coaxial Cable Termination (Preconnectorized)	per termination	NRC	\$1.00
DS3 Coaxial Cable Termination (Unconnectorized)	per termination	NRC	\$10.00
Fiber Cable Pull			
Engineering	per project	NRC	\$607.00
Place Innerduct	per lin ft	NRC	\$2.00
Pull Cable	per lin ft	NRC	\$1.00
Cable Fire Retardant	per occurrence	NRC	\$38.00
Fiber Cable Splice			
Engineering	per project	NRC	\$31.00
Splice Cable	per fiber	NRC	\$45.00

CAGED COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate
BITS Timing	per project	NRC	\$307.00

CAGED COLLOCATION RATES

Elements	Increment	NRC / MRC	Rate
Monthly Recurring Prices			
Caged Floor Space including Shared Access Area	per sq ft	MRC	\$3.00
DC Power	per 40 amps	MRC	\$571.00
Building Modification	per request	MRC	\$183.00
Environmental Conditioning	per 40 amps	MRC	\$88.00
Facility Termination			
DS0	per 100 pr	MRC	\$4.00
DS1	per 28 pr	MRC	\$16.00
DS3	per DS3	MRC	\$11.00
Cable Rack Space - Metallic	per cable run	MRC	\$2.00
Cable Rack Space - Fiber	per innerduct ft	MRC	\$0.02
Manhole Space - Fiber	per project	MRC	\$6.00
Subduct Space - Fiber	per lin ft	MRC	\$0.04
Cable Vault Splice			
Fiber Cable - 48 Fiber			
Material	per splice	MRC	\$10.00
Space Utilization in Vault	per subduct	MRC	\$1.00
Fiber Cable - 96 Fiber			
Material	per splice	MRC	\$27.00
Space Utilization in Vault	per subduct	MRC	\$1.00
BITS Timing	per occurrence	MRC	\$11.00

CAGELESS COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate

Non-Recurring Prices

Engineering Costs

Engineering/Major Augment Fee	per occurrence	NRC	\$1,129.00
Minor Augment Fee	per occurrence	NRC	\$200.00

Access Card Administration (New/Replacement)

per card	NRC	\$21.00
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DC Power

per 40 amps	NRC	\$2,473.00
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Overhead Superstructure

per project	NRC	\$2,372.00
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Facility Pull/Termination

Engineering	per project	NRC	\$72.00
Facility Pull	per cable run	NRC	\$190.00
DS0 Cable Termination	per 100 pair	NRC	\$4.00
DS1 Cable Termination	per 28 pair	NRC	\$1.00
DS3 Coaxial Cable Termination (Preconnectorized)	per termination	NRC	\$1.00
DS3 Coaxial Cable Termination (Unconnectorized)	per termination	NRC	\$10.00

Fiber Cable Pull

Engineering	per project	NRC	\$607.00
Place Innerduct	per lin ft	NRC	\$2.00
Pull Cable	per lin ft	NRC	\$1.00
Cable Fire Retardant	per occurrence	NRC	\$38.00

Fiber Cable Splice

Engineering	per project	NRC	\$31.00
Splice Cable	per fiber	NRC	\$45.00

BITS Timing

per project	NRC	\$307.00
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CAGELESS COLLOCATION RATES

Elements	Increment	NRC / MRC	Rate
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Monthly Recurring Prices**Floor Space**

Relay Rack	per lin ft	MRC	\$12.00
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Cabinet	per lin ft	MRC	\$16.00
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DC Power	per 40 amps	MRC	\$571.00
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Building Modification	per request	MRC	\$183.00
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Environmental Conditioning	per 40 amps	MRC	\$88.00
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Facility Termination

DS0	per 100 pr	MRC	\$4.00
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DS1	per 28 pr	MRC	\$16.00
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DS3	per DS3	MRC	\$11.00
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Cable Rack Space - Metallic	per cable run	MRC	\$2.00
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Cable Rack Space - Fiber	per innerduct ft	MRC	\$0.02
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Manhole Space - Fiber	per project	MRC	\$6.00
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Subduct Space - Fiber	per lin ft	MRC	\$0.04
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Cable Vault Splice**Fiber Cable - 48 Fiber**

Material	per splice	MRC	\$10.00
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Space Utilization in Vault	per subduct	MRC	\$1.00
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Fiber Cable - 96 Fiber

Material	per splice	MRC	\$27.00
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Space Utilization in Vault	per subduct	MRC	\$1.00
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BITS Timing	per occurrence	MRC	\$11.00
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ADJACENT COLLOCATION RATES

Elements	Increment	NRC / MRC	Rate
Non-Recurring Prices			
Engineering Fee	per occurrence	NRC	\$958.00
Fiber Cable Pull			
Engineering	per project	NRC	\$607.00
Place Innerduct	1 lin ft	NRC	\$2.00
Pull Cable	1 lin ft	NRC	\$1.00
Cable Fire Retardant	per occurrence	NRC	\$38.00
Metallic Cable Pull			
Engineering	per project	NRC	\$607.00
Pull Cable	1 lin ft	NRC	\$1.00
Cable Fire Retardant	per occurrence	NRC	\$38.00
Cable Splice			
Engineering	per project	NRC	\$31.00
Metallic Cable Splicing (greater than 200 pair)	per DSO/DS1 pair	NRC	\$1.00
Metallic Cable Splicing (200 pair or less)	per DSO/DS1 pair	NRC	\$2.00
Fiber Cable Splicing (48 fiber cable or less)	per fiber	NRC	\$45.00
Fiber Cable Splicing (greater than 48 fiber)	per fiber	NRC	\$40.00
Facility Pull			
Engineering	per project	NRC	\$72.00
Facility Pull	1 lin ft	NRC	\$1.00
Facility Termination			
DS0 Cable			
Connectorized	per 100 pr	NRC	\$4.00
Unconnectorized	per 100 pr	NRC	\$38.00
DS1 Cable			
Connectorized	per 28 pr	NRC	\$1.00
Unconnectorized	per 28 pr	NRC	\$29.00
DS3 (Coaxial) Cable			
Connectorized	per DS3	NRC	\$1.00
Unconnectorized	per DS3	NRC	\$10.00

ADJACENT COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate
Fiber	per fiber term	NRC	\$45.00
BITS Timing	per project	NRC	\$307.00

ADJACENT COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate

Monthly Recurring Prices

Cable Space

Subduct Space

Manhole	per project	MRC	\$6.00
Subduct	1 lin ft	MRC	\$0.04

Conduit Space - 4" Duct - Metallic Cable

Manhole	per conduit	MRC	\$10.00
Conduit	1 lin ft	MRC	\$0.04

Facility Termination

DS0	per 100 pr	MRC	\$4.00
DS1	per 28 pr	MRC	\$16.00
DS3	per coaxial	MRC	\$11.00

Cable Vault Space

Metallic DS0 Cable - 1200 Pair

Material	per splice	MRC	\$461.00
Space Utilization	per cable	MRC	\$4.00

Metallic DS0 Cable - 900 Pair

Material	per splice	MRC	\$337.00
Space Utilization	per cable	MRC	\$3.00

Metallic DS0 Cable - 600 Pair

Material	per splice	MRC	\$225.00
Space Utilization	per cable	MRC	\$3.00

Metallic DS0 Cable - 100 Pair

Material	per splice	MRC	\$47.00
Space Utilization	per cable	MRC	\$1.00

Fiber Cable - 48 fiber

Material	per splice	MRC	\$10.00
Space Utilization	per subduct	MRC	\$1.00

Fiber Cable - 96 fiber

Material	per splice	MRC	\$27.00
Space Utilization	per subduct	MRC	\$1.00

ADJACENT COLLOCATION RATES

Elements	Increment	NRC / MRC	Rate
Cable Rack Space			
Metallic DSO	1 lin ft	MRC	\$0.01
Metallic DS1	1 lin ft	MRC	\$0.01
Fiber	per innerduct ft	MRC	\$0.02
Coaxial	1 lin ft	MRC	\$0.01
BITS Timing	per occurrence	MRC	\$11.00

MISCELLANEOUS COLLOCATION RATES

Elements	Increment	NRC / MRC	Rate
Labor:			
Overtime Installation Labor	per rates below		
Overtime Repair Labor	per rates below		
Additional Installation Testing Labor	per rates below		
Standby Labor	per rates below		
Testing & Maintenance with Other Telcos, Labor	per rates below		
Other Labor	per rates below		
Labor Rates:			
Basic Time, Business Day, Per Technician			
First Half Hour or Fraction Thereof		NRC	\$41.66
Each Additional Half Hour or Fraction Thereof		NRC	\$20.83
Overtime, Outside the Business Day			
First Half Hour or Fraction Thereof		NRC	\$100.00
Each Additional Half Hour or Fraction Thereof		NRC	\$75.00
Prem.Time,Outside Business Day, Per Tech			
First Half Hour or Fraction Thereof		NRC	\$150.00
Each Additional Half Hour or Fraction Thereof		NRC	\$125.00
Cable Material			
Facility Cable-DS0 Cable (Connectorized) 100 pair	per cable run	NRC	\$331.00
Facility Cable-DS1 Cable (Connectorized)	per cable run	NRC	\$307.00
Facility Cable-DS3 Coaxial Cable	per cable run	NRC	\$84.00
Facility Cable-Shielded Cable (Orange Jacket)	per cable run	NRC	\$34.00
Power Cable-Wire Power 1/0	per cable run	NRC	\$93.00
Power Cable-Wire Power 2/0	per cable run	NRC	\$135.00
Power Cable-Wire Power 3/0	per cable run	NRC	\$149.00
Power Cable-Wire Power 4/0	per cable run	NRC	\$184.00
Power Cable-Wire Power 350 MCM	per cable run	NRC	\$313.00
Power Cable-Wire Power 500 MCM	per cable run	NRC	\$437.00
Power Cable-Wire Power 750 MCM	per cable run	NRC	\$673.00

MISCELLANEOUS COLLOCATION RATES			
Elements	Increment	NRC / MRC	Rate
Collocation Space Report	per premise	NRC	\$1,218.00

DESCRIPTION AND APPLICATION OF RATE ELEMENTS

Non-Recurring Charges

The following are non-recurring charges (one-time charges) that apply for specific work activity:

Engineering/Major Augment Fee. The Engineering/Major Augment Fee applies for each initial Caged and Cageless collocation request and major augment request. This charge recovers the costs of the initial walkthrough to determine if there is sufficient space for Caged or Cageless collocation, the best location for the collocation area, what building modifications are necessary to provide collocation, and if sufficient DC power facilities exist in the premises to accommodate collocation. This fee also includes the total time for the Building Services Engineer and the time for the Outside Plant and Central Office Engineers to attend status meetings.

Minor Augment Fee. The Minor Augment Fee applies for each minor augment request of an existing Cages or Cageless collocation arrangement that does not require additional AC or DC power systems, HVAC system upgrades, or additional cage space.

Access Card Administration. The Access Card Administration rate covers activities associated with the issuance and management of premises access cards. The rate is applied on a per card basis.

Cage Enclosure. The Cage Enclosure rate is applied per caged arrangement. This rate includes the labor and materials to recover the costs incurred in constructing the CLEC's cage, cage gate, and grounding bar. There are five caged enclosure rate elements based on the size of the cage: 25 to 100 square feet; 101 to 200 square feet; 201 to 300 square feet; 301 to 400 square feet; and 401 to 500 square feet.

Cage Enclosure Augment. The Cage Enclosure Augment rate is applied per square foot of fencing when a CLEC requests additional fencing for an existing caged arrangement.

BITS Timing. The non-recurring charge for BITS Timing includes engineering, materials, and labor costs to wire a BITS port to the CLEC's equipment. If requested, it is applied on a per project basis.

Overhead Superstructure. The Overhead Superstructure charge is applied for each initial caged and cageless collocation application. The Overhead Superstructure charge is designed to recover Verizon's engineering, material, and installation costs for extending dedicated overhead superstructure.

Facility Pull/Termination-Engineering. The Facility Pull/Termination-Engineering charge is applied per project to recover the engineering costs of pulling and terminating the interconnection wire (cable) from the collocation cage or relay rack to the Main Distribution Frame block or DSX panel.

Facility Pull. The Facility Pull charge is applied per cable run and recovers the labor cost of pulling the interconnection wire (cable) from the collocation cage or relay rack to the Main Distribution Frame block or DSX panel.

DSO Cable Termination. The DSO Cable Termination charge is applied per 100 pair DSO cable terminated and is designed to recover the labor cost of terminating DSO Cable from the collocation cage or relay rack to the Main Distribution Frame block or DSX panel.

DS1 Cable Termination. The DS1 Cable Termination charge is applied per 28 pair DS1 cable terminated and is designed to recover the labor cost of terminating DS1 Cable from the collocation cage or relay rack to the DSX panel.

DS3 Coaxial Cable Termination (Preconnectorized). The DS3 Coaxial Cable Termination (Preconnectorized) charge is applied per termination to recover the labor cost of terminating preconnectorized DS3 Cable from the collocation cage or relay rack to the DSX panel.

DS3 Coaxial Cable Termination (Unconnectorized). The DS3 Coaxial Cable Termination (Unconnectorized) charge is applied per termination to recover the labor cost of terminating preconnectorized DS3 Cable from the collocation cage or relay rack to the DSX panel.

Fiber Cable Pull-Engineering. The Fiber Cable Pull-Engineering charge is applied per project to cover the engineering costs for pulling the CLEC's fiber cable, when necessary, into Verizon's central office.

Fiber Cable Pull-Place Innerduct. The Fiber Cable Pull-Place Innerduct charge is applied per linear foot to cover the cost of placing innerduct. Innerduct is the split plastic duct placed from the cable vault to the CLEC's equipment area through which the CLEC's fiber cable is pulled.

Fiber Cable Pull-Labor. This charge is applied per linear foot and covers the labor costs of pulling the CLEC's fiber cable into Verizon's central office.

Fiber Cable Pull-Fire Retardant. This charge is associated with the filling of space around cables extending through walls and between floors with a non-flammable material to prevent fire from spreading from one room or floor to another.

Fiber Splice-Engineering. The Fiber Splice-Engineering charge is applied per project and covers the engineering costs for fiber cable splicing projects.

Fiber Splice. The Fiber Splice charge is applied per fiber cable spliced and recovers the labor cost associated with the splicing.

DC Power. The DC Power Charge is applied per 40 amps requested for each caged and cageless collocation application. This NRC recovers Verizon's engineering, material and installation costs for providing and terminating DC power runs to the collocation area.

Cable Material Charges. The CLEC has the option of providing its own cable or Verizon may, at the CLEC's request, provide the necessary transmission and power cables. If Verizon provides these cables, the applicable Cable Material Charge will be applied on a per cable run basis.

Adjacent Engineering Fee. The Adjacent Engineering Fee provides for the initial activities of the Central Office Equipment Engineer, Land & Building Engineer and the Outside Plant Engineer associated with determining the capabilities of providing Adjacent On-Site collocation. The labor charges are for an on-site visit, preliminary investigation of the manhole/conduit systems, wire center and property, and contacting other agencies that could impact the provisioning of adjacent collocation.

Adjacent Fiber Cable Pull-Engineering. The Adjacent Fiber Cable Pull-Engineering fee provides for engineering associated with pulling the CLEC's fiber cable in an adjacent collocation arrangement. The Adjacent Fiber Cable Pull-Engineering charge includes the time incurred by the Outside Plant Engineer on the project to determine the conduit/ subduct assignment and associated outside plant activity to complete the work.

Adjacent Fiber Cable Pull-Place Innerduct. This NRC covers the cost for placing innerduct, if required for adjacent collocation, which is the split plastic duct placed from the cable vault to the CLEC's equipment area through which the CLEC's fiber is pulled.

Adjacent Fiber Cable Pull-Labor. This charge covers the labor costs for pulling CLEC fiber cable for an adjacent collocation arrangement. Refer to Adjacent Fiber Cable Pull-Engineering above.

Adjacent-Cable Fire Retardant. This charge is associated with the filling of space around cables extending through walls and between floors with a non-flammable material to prevent fire from spreading from one room or floor to another.

Adjacent Metallic Cable Pull-Engineering. This NRC covers the engineering costs of pulling metallic cable for Adjacent collocation into Verizon's wire center. For Adjacent collocation, the metallic cable will be spliced in the cable vault to a stubbed connector located on the vertical side of the main distribution frame to provide proper protection for central office equipment.

Adjacent Metallic Cable Pull Labor. This charge covers the labor costs of pulling metallic cable for Adjacent collocation into Verizon's wire center.

Adjacent Cable Splice-Engineering. This charge covers the outside plant engineering costs for cable splice projects associated with an adjacent collocation arrangement.

Adjacent DS1/DS0 Cable Splice-Greater Than 200 Pair. This charge is for the labor to splice metallic cables and is based on a per pair spliced.

Adjacent DS1/DS0 Cable Splice-Less Than 200 Pair. This charge is for the labor to splice metallic cables and is based on a per pair spliced.

Adjacent Fiber Cable Splice. This charge covers the labor to splice fiber cables and is based on a per fiber spliced.

Adjacent Facility Pull-Engineering. This charge covers the engineering cost associated with the interconnection wire (cable) from the main distribution frame connector to a termination block or DSX panel.

Adjacent Facility Pull-Labor. This charge covers the labor of running the interconnection wire (cable) from the main distribution frame connector to a termination block or DSX panel.

Adjacent DS0 Cable Termination (Connectorized)/Adjacent DS0 Cable Termination (Unconnectorized). These charges cover the labor to terminate these types of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

Adjacent DS1 Cable Termination (Connectorized)/Adjacent DS1 Cable Termination (Unconnectorized). These charges cover the labor of terminating these types of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

Adjacent DS3 Coaxial Cable Termination (Preconnectorized) /Adjacent. These charges cover the labor of terminating this type of interconnection wire (cable) for adjacent collocation to the main distribution frame block or DSX panel.

Adjacent Fiber Cable Termination. This charge covers the labor of terminating fiber cable for adjacent collocation to the main distribution frame block or DSX panel.

Collocation Space Report. When requested by a CLEC, Verizon will submit a report that indicates Verizon's available collocation space in a particular premise. The report will be issued within ten calendar days of the request. The report will specify the amount of collocation space available at each requested premises, the number of collocators and any modifications in the use of the space since the last report. The report will also include measures that Verizon is taking to make additional space available for collocation.

Miscellaneous Services Labor. Additional labor, if required by the CLEC, to complete a collocation request.

Monthly Recurring Charges

The following are monthly charges. Monthly charges apply each month or fraction thereof that Collocation Service is provided.

Caged Floor Space. Caged Floor Space is the cost per square foot to provide environmentally conditioned caged floor space to the CLEC. Environmentally conditioned space is that which has proper humidification and temperature controls to house telecommunications equipment. The cost includes only that which relates directly to the land and building space itself.

Relay Rack Floor Space. The Relay Rack Floor Space charge provides for the environmentally conditioned floor space that a relay rack occupies based on linear feet. The standardized relay rack floor space depth is based on half the aisle area in front and back of the rack, and the depth of the equipment that will be placed within the rack.

Cabinet Floor Space. The Cabinet Floor Space charge provides for the environmentally conditioned floor space that a telecommunications equipment cabinet occupies based on linear feet. The standardized floor space depth is based on the size of the cabinet and half of the aisle in the front and rear of the cabinet. The cabinet size is based on Verizon's standard cabinet size of 33 inches by 29 inches.

Cable Subduct Space-Manhole. This charge applies per project per month and covers the cost of the space that the outside plant fiber occupies within the manhole.

Cable Subduct Space. The Subduct Space charge covers the cost of the subduct space that the outside plant fiber occupies and applies on a per linear foot basis.

Fiber Cable Vault Splice. The Fiber Cable Vault Splice charge applies per subduct or per splice and covers the space and material cost associated with the CLEC's fiber cable splice within Verizon's cable vault.

Cable Rack Space-Metallic. The Cable Space-Metallic charge is applied for each DS0, DS1 and DS3 cable run. The charge is designed to recover the space utilization cost that the CLEC's metallic and coaxial cable occupies within Verizon.

Cable Rack Space-Fiber. The Cable Rack Space-Fiber charge recovers the space utilization cost that the CLEC's fiber cable occupies within Verizon's cable rack system.

DC Power. The DC Power monthly charge is applied on a per 40 amp basis. This charge is designed to recover the monthly facility and utility expense to power the collocation equipment.

Facility Termination (DS0). This charge is applied per 100 pair cable terminated. This charge is designed to recover the labor and material cost of the main distribution frame 100 pair circuit block..

Facility Termination (DS1). The Facility Termination (DS1) charge is applied per 28 pair DS1 cable terminated. This charge is designed to recover the labor and material cost of the DSX facility termination panel.

Facility Termination (DS3). The Facility Termination (DS3) charge is applied per DS3 cable terminated. This charge recovers the labor and material cost of the DSX facility termination panel.

BITS Timing. The BITS Timing monthly charge is designed to recover equipment and installation cost to provide synchronized timing for electronic communications equipment. This rate is based on a per port cost.

Building Modification. The Building Modification monthly charge is applied to each caged and cageless arrangement and is associated with provisioning the following items in Verizon's premises: security, dust partition, ventilation ducts, demolition/site work, lighting, outlets, and grounding equipment.

Environmental Conditioning. The Environmental Conditioning charge is applied to each caged and cageless arrangement on a per 40 amp increment based on the CLEC's DC Power requirements. This charge is associated with the provisioning of heating, ventilation, and air conditioning systems for the CLEC's equipment in Verizon's premises.

Adjacent Cable Subduct Space-Manhole. This charge covers the space utilization cost that the outside plant fiber or metallic cable occupies within the manhole.

Adjacent Cable Subduct Space. The Adjacent Cable Subduct Space charge covers the space utilization cost of the subduct that the outside plant fiber or metallic cable occupies within the conduit system.

Adjacent Conduit Space (Metallic)-Manhole. This charge covers the space utilization cost that the outside plant metallic cable occupies within the manhole.

Adjacent Conduit Space (Metallic). This charge covers the space utilization cost that the outside plant metallic cable occupies within the conduit system.

Adjacent Facility Termination DS0 Cable. This charge is applied per 100 pair cable terminated. This charge is designed to recover the labor and material cost of the main distribution frame 100 pair circuit block.

Adjacent Facility Termination DS1 Cable. The Facility Termination (DS1) charge is applied per 28 pair DS1 cable terminated. This charge is designed to recover the labor and material cost of the DSX facility termination panel.

Adjacent Facility Termination DS3 Cable. The Facility Termination (DS3) charge is applied per DS3 cable terminated. This charge recovers the labor and material cost of the DSX facility termination panel.

Adjacent Cable Vault Space. The Adjacent Cable Vault Space charge covers the cost of the space the CLEC's cable occupies within the cable vault. The charge is based on the diameter of the cable or subduct.

Adjacent Cable Rack Space. This charge covers the space utilization cost that the CLEC's fiber, metallic or coaxial cable occupies within the cable rack system. The charge is based on the linear feet occupied.