

AMENDMENT TO INTERCONNECTION AGREEMENT

This amendment is made by and between the New England Telephone and Telegraph Company d/b/a/ Bell Atlantic-Massachusetts ("BA"), a New York corporation with offices at 185 Franklin Street, Boston, MA 02110- and Covad Communications Co. ("Covad"), a California corporation with offices at 2330 Central Expressway, Santa Clara, CA 95050-2516.

WHEREAS, BA and Covad (individually a "Party" and collectively the "Parties"), have entered into an Interconnection Agreement (the "Interconnection Agreement") dated July 1, 1998; and

WHEREAS, the Parties desire to amend that agreement as set forth 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, BA and Covad agree as follows:

1. The Interconnection Agreement is hereby amended by deleting the existing Section 13.6 in its entirety and substituting therefor the following:

13.6 Covad may collocate Digital Subscriber Line Access Multiplexers ("DSLAM"s) in its collocated space, subject to the requirements of this Section. Covad may install any equipment allowed by Law, including Remote Switching Modules ("RSM"s) and DSLAMs in its Collocation space unless and until the FCC, the Department, or a court of competent jurisdiction determines that incumbent LECs need not permit Collocation of such equipment, in which event BA must allow Covad a reasonable transition period for removing, replacing or modifying such equipment, or for otherwise negotiating a mutually satisfactory alternative arrangement with BA. Covad agrees that any such equipment must comply with National Equipment Building System ("NEBS") Level III. Covad agrees that such RSM or DSLAM equipment as may be collocated at BA premises will not be used to provide switching functionality unless such use is specifically approved by the Department.

BA will permit Covad to install, maintain, repair and use ATM cross-connect equipment in BA Premises where Covad has established a physical Collocation arrangement, provided that such equipment will be used to support pre-defined point-to-point Private Virtual Connections (“PVC”s) between the Premises-located equipment and other points off BA’s network. The ATM cross-connect equipment shall be used exclusively for aggregating and transporting traffic and will not under any circumstances be used for dynamic routing or switching of traffic. BA shall have the right at its own expense to audit Covad’s use of such collocated equipment, and if it finds that Covad is using the equipment for switching of Local Traffic or other uses prohibited hereunder, BA may either invoke the dispute resolution provisions of this Agreement, or notify Covad in writing and Covad shall then remove such equipment from BA’s Premises.

2. The Interconnection Agreement is hereby amended by deleting the existing Section 13.4 in its entirety and substituting therefor the following:

13.4 Collocation shall be made available to Covad on BA Premises as required by Applicable Law and in a manner that is at parity to the priorities that BA provides to persons who are permitted to collocate, including BA’s Affiliates that are required to collocate. Pursuant to applicable Tariff, or to Schedule 13.4 until such time as an approved Tariff is effective, BA will provide Covad with shared cage Collocation, in which Covad can collocate equipment in another collocating entity’s physical Collocation arrangement. Upon request by Covad for shared cage Collocation, the Parties will negotiate expeditiously and in good faith to resolve any operational, provisioning and billing issues that are not covered by an applicable Tariff or Schedule 13.4. Notwithstanding any other provision of this Agreement, BA will provide Covad with alternative Collocation arrangements (including “cage-less” physical Collocation) to the extent that such arrangements are required by Applicable Law, and may consider other alternative arrangements proposed by Covad. BA shall provide Collocation at additional locations for placement of equipment necessary for Interconnection or for access to unbundled Network Elements to the extent required by Applicable Law.

3. The Interconnection Agreement is hereby amended by adding the following as Section 11.7.4:

11.7.4 Notwithstanding anything to the contrary in this subsection 11.7, the unbundled Network Elements and rates specified in this Agreement shall be made available by BA to Covad pursuant to and to the extent required by Applicable Law. Unless otherwise provided in this Agreement, the unbundled Network Elements specified in this Agreement shall be made available by BA to Covad for ordering and provisioning on the Effective Date. To the extent required by Applicable Law, and notwithstanding anything to the contrary in this Section, BA will offer Covad nondiscriminatory access to ADSL-2W, HDSL-2W, and HDSL-4W ULLs to the extent that BA offers such ULLs to any Telecommunications Carrier in the Commonwealth of Massachusetts. Nothing in the

preceding sentence or elsewhere in this Section 11 is intended to obligate Bell Atlantic to provide ADSL-2W, HDSL-2W and HDSL-4W ULLs as of a specific date (other than as may be required by Applicable Law) or to constitute a waiver of any right Covad may have to obtain such Loops. In the event that a change in Applicable Law requires Bell Atlantic to provide ADSL-2W, HDSL-2W and HDSL-4W ULLs or other types of DSL-compatible Loops, the Parties will negotiate in good faith a non-discriminatory, commercially reasonable schedule for the availability of each such type of Loop consistent with Applicable Law.

4. The Interconnection Agreement is hereby amended by adding the following as Schedule 13.4:

SCHEDULE 13.4

COLLOCATION: SHARED CAGE ARRANGEMENT

1. Service Description

- (A) Shared Cages provide an additional option to Covad for Interconnection and access to unbundled Network Elements. Shared Cages refers to an arrangement in which a Collocation node is shared by two CLECs pursuant to terms and conditions agreed to by those CLECs.
- (B) For established collocation nodes, the initial CLEC is the "Collocator of Record" ("COR"), or "host" collocator; the other collocator participating in the sharing arrangement is referred to in this Agreement as the "guest". When two collocators request establishment of a new Collocation node, to be used as a Shared Cage, one of the participating CLECs must agree to be the COR and the other to be the guest. The host collocator is BA's customer, and has all of the rights and obligations applicable under this Agreement and the applicable Tariff to CLECs purchasing Collocation-related services, including, without limitation, the obligation to pay all applicable charges, whether or not the COR is reimbursed for all or any portion of such charges by the guest. Neither this Agreement, nor any actions taken by BA or the COR in compliance with this Agreement or the applicable Tariff, shall create a contractual, agency, or any other type of relationship between BA and the guest collocator in a sharing arrangement; and BA does not assume any liability or obligation to the guest for any actions of the COR. The two involved collocators are solely responsible for determining whether to share a cage, and if so upon what terms and conditions.

2. Shared Cage Arrangement

- (A) The host CLEC must notify BA in writing of its intention to share its cage space and provide BA with a certificate of insurance from the guest before the guest occupies the cage.
- (B) All orders for Telecommunications Services or unbundled Network Elements must be placed by or on behalf of the COR. The host and guest may agree that such orders may be placed by the guest on behalf of the host, but in such case BA must

be provided with an acceptable Letter of Authorization explicitly authorizing the guest to place such orders. Where an order is placed by the guest in conformity with this section BA will send bills for the ordered services to the guest, and will accept payments from the guest on the COR's account. Notwithstanding such ordering and billing arrangements, the obligation to pay BA for such services remains exclusively with the COR, regardless of whether the guest complies with its obligations under its contract with the COR to make payments to the COR or to BA. BA may pursue any available rights and remedies against the COR in the event of non-payment, without first seeking payment from the guest, regardless of whether the services for which payment is due are being used by the COR or by the guest.

(C) All terms and conditions for Physical Collocation as described in applicable Tariffs and in Section 13.0 of this Agreement will apply. In addition, the following terms and conditions will apply to shared cages:

- (1) The guest must be a CLEC.
- (2) The host and guest must each be collocating for the purpose of interconnecting to BA or accessing BA's unbundled Network Elements.
- (3) In its use of a Shared Cage, the guest must comply with the same BA rules and regulations and municipal/zoning regulations as are applicable to the COR.
- (4) The COR assumes the responsibility for the guest's violation of all Tariff regulations and other requirements related to a Shared Cage arrangement, and will be liable for any damage or injury to BA caused by the conduct of the guest, to the same extent as the COR would be liable if it had engaged in such conduct itself. The COR will also indemnify BA against any third-party claims resulting from the guest's conduct, to the same extent as it would be responsible for such indemnification if it had engaged in such conduct itself.
- (5) The host and guest will participate in Method of Procedure (MOP) meetings detailing the installation work to be performed by the guest. This shall be completed for all Physical Collocation equipment installation. The host shall prominently display the signed MOP at the multiplexing node while any installation functions are performed.
- (6) The host must provide BA's designated representative(s) with a list of the names of all technicians who will need access to the Shared Cage for support, maintenance and repair purposes. The host is responsible for supplying such representative(s) with the required completed non-employee ID badge application forms and all appropriate identification material for its employees/agents as well as those of the guest.
- (7) BA will issue only one identifying cage and POT Bay CLLI code and provide it to the host. The host will assume connecting facility assignment (CFA) responsibilities.
- (8) All occupancy and specific cage construction communications (e.g., cage augments, cage access or deployment requirements) will be between the host and BA as specified in this Agreement.
- (9) The host will remain responsible for all costs associated with the cage (e.g., cage construction, POT Bay installation). BA will not split bill any of the rate

elements associated with the Collocation cage between the host and its tenant (e.g., recurring square foot charges, power, cable racking).

This Amendment becomes effective upon signature by each of the Parties, and may be executed in counterparts.

NEW ENGLAND TELEPHONE
& TELEGRAPH COMPANY

COVAD
COMMUNICATIONS CO.

By: _____

By: _____

Printed: Jeffrey A. Masoner

Printed: Dhruv Khanna

Title: Vice President - Interconnection
Services Policy & Planning

Title: V.P. - General Counsel

Date: 12/9/98

Date 12/4/98