

- 9.14.5.2 Use of on-line documentation or schematics unique to the equipment and unlike that commonly used by SBC-13STATE.
  - 9.14.5.3 Any testing, repair methods, and procedure documents utilized by Collocator, consistent with the manufacturer's operations and maintenance (O&M) manual.
  - 9.14.5.4 Training when updates of technical publications or equipment information are issued.
  - 9.14.5.5 SBC-13STATE will work cooperatively with Collocator to schedule and complete the training requirements prior to Collocator's equipment turn-up. When Collocator provides scheduled training, SBC-13STATE is responsible for employee attendance.
- 9.15 Collocator will provide remote, real-time network technical support, guidance and direction to SBC-13STATE for all collocated facilities and equipment using on-line telephone support.
  - 9.16 Collocator is responsible for coordinating with SBC-13STATE to ensure that services are installed in accordance with a service request.
  - 9.17 Collocator's SBC-13STATE Approved Vendor will, whenever possible, install the Collocator's equipment in the Virtual Collocation Space within ninety (90) calendar days of Delivery Date. Collocator's SBC-13STATE Approved Vendor must interconnect to SBC-13STATE's network or gain access to SBC-13STATE's unbundled network elements within one hundred eighty (180) calendar days of Delivery Date. If Collocator fails to do so, SBC-13STATE may, upon written notice, terminate that Virtual Collocation arrangement, and Collocator shall be liable in an amount equal to the unpaid balance of the charges due under and, further, shall continue to be bound by the provisions of this Appendix, the terms and any context of which indicates continued viability or applicability beyond termination. For purposes of this Section, Collocator equipment is considered to be interconnected when physically connected to SBC-13STATE network or a SBC-13STATE UNE for the purpose of Collocator providing a telecommunications service.

## 10. COOPERATIVE RESPONSIBILITIES

- 10.1 SBC-13STATE will work cooperatively with the Collocator to develop implementation plans including timelines associated with the following:
  - 10.1.1 Ensuring that the Collocator's SBC-13STATE Approved Vendor meets required safety standards as contained in TP76200MP and SBC ILEC's standards and requirements for equipment and facility installations.

- 10.1.2 **SBC-13STATE** placement of Collocator's fiber into an **SBC-13STATE** Eligible Structure.
- 10.1.3 Location and completion of all splicing.
- 10.1.4 Completion of installation of equipment and facilities.
- 10.1.5 Removal of above facilities and equipment.
- 10.2 This Appendix and the Collocation provided hereunder is made available subject to and in accordance with Sections 10.2.1, 10.2.2, 10.2.3, 10.2.4 and 10.2.5. Collocator shall strictly observe and abide by each.
  - 10.2.1 **SBC-13STATE** TP76200MP, standards for network equipment, power, grounding, environmental, and virtual design requirements, and any successor document(s), including as such may be modified at any time and from time to time.
  - 10.2.2 **SBC** ILEC's Interconnector's Collocation Services Handbook or like document, and any successor document(s), as may be modified from time to time as set forth below in Section 10.3.
  - 10.2.3 **SBC-13STATE** TP76300MP, standards and requirements for equipment and facility installations, and any successor document(s) within **SBC-13STATE** central offices and may be modified from time to time.
  - 10.2.4 Any statutory and/or regulatory requirements in effect at the time of the submission of the Virtual Collocation Application or that subsequently become effective and then when effective.
  - 10.2.5 The **SBC** ILEC's Interconnector's Collocation Services Handbook or like document, **SBC-13STATE** TP76300MP, and the **SBC-13STATE** TP 76200MP standards are not incorporated herein but are available on the **SBC-13STATE** CLEC ONLINE Web-Site.
- 10.3 If the **SBC** ILEC's Interconnector's Collocation Services Handbook or like document, **SBC-13STATE** TP76300MP for equipment and facility installations, and the **SBC-13STATE** TP 76200MP standards are modified subsequent to the effective date of this Appendix from the attached, the following shall apply:
  - 10.3.1 If a modification is made after the date on which Collocator has or orders a Virtual Collocation arrangement, **SBC-13STATE** shall provide Collocator with those modifications or with revised versions of such, listing or noting the

modifications as appropriate. Any such modification shall become effective and thereafter applicable under this Appendix thirty (30) calendar days after such amendment is released by **SBC-13STATE**.

10.3.2 Notwithstanding Sections 10.3.1, any modification made to address situations potentially harmful to **SBC-13STATE** or another's network, equipment, or facilities, the Eligible Structure, the Virtual Collocation Space, or to comply with statutory or regulatory requirements shall become effective immediately. **SBC-13STATE** will immediately notify Collocator of any such modification.

10.4 **SBC-13STATE** shall provide an interconnection point or points, physically accessible by both **SBC-13STATE** and Collocator (typically a **SBC-13STATE** manhole) at which a Collocator fiber optic cable can enter the Eligible Structure, provided that **SBC-13STATE** will designate interconnection points as close as reasonably possible to the Eligible Structure. The Collocator's fiber must be a single mode fire retardant dielectric fiber optic cable used as a transmission medium to the dedicated splice point. The fiber cable will be spliced to a fiber cable tail at the dedicated splice point by **SBC-13STATE** and terminated to the Fiber Distribution Frame (FDF) or panel. All fiber termination requests will be distributed from the FDF or panel to the Collocator's designated bay per the Front Equipment Drawing by fiber cross-connects with sufficient slack for the Collocator to terminate in their equipment. Collocator shall be permitted no more than two (2) entrance routes into the Eligible Structure, if available; **SBC-13STATE** will provide at least two such interconnection points at each Eligible Structure where there are at least two entry points for **SBC-13STATE** cable facilities and at which space is available for new facilities in at least two of those entry points.

10.4.1 Collocator is responsible for bringing its fiber optic cable to an accessible point outside of the Eligible Structure designated by **SBC-13STATE**, and for leaving sufficient cable length in order for **SBC-13STATE** to fully extend such Collocator-provided cable to the vault. The fiber optic entrance cable must be provided by the Collocator to **SBC-13STATE** prior to the schedule Delivery Date for the Virtual Collocation arrangement. If the fiber optic entrance cable is not provided by the Collocator prior to the scheduled Delivery Date, **SBC-13STATE** will advise the Collocator's **SBC-13STATE** Approved Vendor at space turnover that the costs associated with the fiber optic entrance cable placement will be refunded at **SBC-13STATE** earliest convenience and the job will be closed. The Collocator will need to submit an Augment Virtual Collocation Application when ready to request the fiber optic entrance cable placement into the Virtual Collocation arrangement.

10.4.2 **SBC-13STATE** will permit interconnection of copper or coaxial cable only if first approved by the appropriate State Commission, and will permit collocation of microwave transmission equipment along with the microwave entrance facility, except where such collocation is not practical for technical reasons or because of space limitations.

- 10.5 **SBC-13STATE** will be responsible for determining equipment location within the Eligible Structure. Procurement, installation and termination of interconnection cabling between Collocator's Virtual Collocation Space and **SBC-13STATE** Main Distribution Frame or its equivalent will be installed by the Collocator's **SBC-13STATE** Approved Vendor. The Collocator's **SBC-13STATE** Approved Vendor must obtain an approved Method of Procedures (MOP) from **SBC-13STATE** and follow the **SBC-13STATE** TP76300MP standards and requirements for installation of equipment and facilities. **SBC-13STATE** will install and stencil termination blocks or panels at **SBC-13STATE**'s Main Distribution Frame or its equivalent for the hand off of the Actual Point of Termination (APOT) Connection(s) to the Collocator.
- 10.6 Unless otherwise expressly agreed in writing, **SBC-13STATE** will provide for all AC and DC power requirements in the Eligible Structure. The Collocator Approved Vendor is not permitted to, and will not, place any AC or DC power-generating or power-storing devices (including, for example but not limited to rectifiers, battery plants, AC or DC generators) in the Eligible Structure. Power will support Collocator's equipment at the specified DC and AC voltages. At a minimum, the power and **SBC-13STATE** associated performance, availability, restoration, and other operational characteristics shall be at parity with that provided to **SBC-13STATE** substantially similar telecommunications equipment unless otherwise mutually agreed in writing. Loads specified by the Collocator represent the peak current that will be imposed on a power feeder at any voltage within the emergency operating limits of the equipment and any normal operating condition (i.e. not a short circuit or other malfunction). Even though circuit design is based on peak current, DC power plant design sizing by the **SBC-13STATE** is based on demand management. **SBC-13STATE** will engineer, design, and place cable racks for all power cable routes within the Eligible Structure. Collocator's **SBC-13STATE** Approved Power Installation Vendor will install and terminate the power cable(s) from the Virtual Collocation Space to **SBC-13STATE**'s designated termination points on the Battery Distribution Fuse Bay (BDFB). When the **SBC-13STATE**'s designated power termination point(s) is at the **SBC-13STATE**'s Power Plant Primary Distribution, the Collocator's **SBC-13STATE** Approved Power Installation Vendor will install, but not terminate the Collocator's power cable(s). The Collocator must contact the assigned **SBC-13STATE** Project Manager five (5) business days prior to scheduling a request for the termination of Collocator's power cable(s) to the **SBC-13STATE**'s Power Plant Primary Distribution, which will be performed by **SBC-13STATE**. The Collocator's **SBC-13STATE** Approved Power Installation Vendor must obtain an approved Method of Procedures (MOP) from **SBC-13STATE** and follow the **SBC ILEC**'s standards and requirements for installation of equipment and facilities.
- 10.7 **SBC-13STATE** will provide negative DC and AC power, back-up power, lighting, ventilation, heat, air conditioning and other environmental conditions necessary for the Collocator's equipment in the same manner and at the same standards that **SBC-13STATE** provides such conditions for its own substantially similar equipment or

facilities within that Eligible Structure.

- 10.8 Regeneration of either DS-1 or DS-3 signal levels may be provided by Collocator or **SBC-13STATE** under the custom work order process or ICB/NSCR, including payment requirements prior to the installation of the regeneration equipment.
- 10.9 Collocator and **SBC-13STATE** are each responsible for providing to the other contact numbers for technical personnel who are readily accessible twenty-four (24) hours a day, seven (7) days a week.
- 10.10 **SBC-13STATE** shall maintain for the Eligible Structure customary building services, utilities (excluding telephone facilities), including janitor and elevator services, 24 hours a day.
- 10.11 **SBC-13STATE** agrees to make, at its expense, all changes and additions to the Eligible Structure required by laws, ordinances, orders or regulations of any municipality, county, state or other public authority including the furnishing of required sanitary facilities and fire protection facilities, except fire protection facilities specially required because of the installation of telephone or electronic equipment and fixtures in the Virtual Collocation Space.
- 10.12 Collocator and **SBC-13STATE** are each responsible for providing trouble report status or any network trouble of problems when requested by the other.
- 10.13 Each Party is responsible for immediate verbal notification to the other of significant outages or operations problems which could impact or degrade that other's network, equipment, facilities, or services, and for providing an estimated clearing time for restoration. In addition, written notification must be provided within twenty-four (24) hours from verbal notification.
- 10.14 In the event **SBC-13STATE** determines it necessary for the Virtual Collocation Space to be moved within the Eligible Structure in which the Virtual Collocation Space is located or to another Eligible Structure, Collocator is required to do so. If such relocation arises from circumstances beyond the reasonable control of **SBC-13STATE**, including condemnation or government order or regulation that makes the continued occupancy of the Virtual Collocation Space or Eligible Structure too costly in **SBC-13STATE** sole judgment, Collocator shall be responsible for the cost of preparing the new Virtual Collocation Space at the new location. Otherwise **SBC-13STATE** shall be responsible for any reasonable preparation costs.
- 10.15 In the event the Collocator cancels its order after **SBC-13STATE** has begun preparation of the Virtual Collocation Space, but before **SBC-13STATE** has been paid the entire amounts due under this Agreement, then in addition to other remedies that **SBC-13STATE** might have, the Collocator shall be liable in the amount equal to

the non-recoverable costs less estimated net salvage. Non-recoverable costs include the non-recoverable cost of equipment and material ordered, provided or used; the non-recoverable cost of installation and removal, including the costs of equipment and material ordered, provided or used; labor; transportation and any other associated costs. SBC-13STATE shall provide the Collocator with a detailed invoice showing the costs it incurred associated with preparation of Collocator's Virtual Collocation request.

- 10.16 Collocator may discontinue or terminate a Virtual Collocation Arrangement on not less than thirty (30) days advance notice to SBC-13STATE by submitting a complete and accurate Virtual Collocation Application plus applicable fees. Upon the discontinuance or termination of a Virtual Collocation arrangement, the Collocator shall pay to SBC-13STATE all costs associated with returning the Virtual Collocation Space to SBC-13STATE in the same condition as when SBC-13STATE first began any construction work on such Virtual Collocation Space. Such costs include, but are not limited to, costs associated with removal by SBC-13STATE of facilities and cabling.
- 10.17 Upon discontinuance or termination of the Virtual Collocation arrangement, the Collocator will work cooperatively with SBC-13STATE to remove the Collocator's equipment from SBC-13STATE property subject to the condition that the removal of such equipment can be accomplished without damaging or endangering other equipment located in the central office. SBC-13STATE is not responsible for and will not guarantee the condition of such equipment if removed by the Collocator's SBC-13STATE vendor hired by Collocator. Collocator shall indemnify and hold SBC-13STATE harmless from any damage or claims associated with removal of its equipment or other equipment located in the central office damaged while Collocator's SBC-13STATE vendor is removing its own equipment. The Collocator is responsible for arranging for and paying for the removal of virtually collocated equipment including all costs associated with equipment removal, packing and shipping. Arrangements for and the removal of the Collocator virtually collocated equipment must be made within thirty (30) calendar days of SBC-13STATE receipt of Collocator's Virtual Collocation Application to terminate the virtual collocation arrangement, unless a different time period is mutually agreed upon. The Collocator will pay all arrangement monthly charges until all equipment is removed. If the Collocator has not removed the equipment within this timeframe, SBC-13STATE has the right to remove the equipment and bill the Collocator for any reasonable expense associated with removal of the equipment. SBC-13STATE shall have no responsibility for damage done to such removed equipment caused by SBC-13STATE or its contractors during the removal process. Collocator will indemnify and hold SBC-13STATE harmless for any damage or claims associated with the removed equipment or other equipment located in the central office damaged if SBC-13STATE removes Collocator's equipment. Any equipment not removed in this time frame may be removed by SBC-13STATE and stored in a non- SBC-13STATE location, at the expense of the Collocator.

- 10.18 Upon termination of the Virtual Collocation arrangement, the Collocator must remove the fiber entrance cable used for the Virtual Collocation. If the entrance cable(s) is not scheduled and removed within (30) calendar days after discontinuance of use, SBC-13STATE may arrange for the removal, and the Collocator will be responsible for any charges incurred to remove the cable as set forth in Section 10.18 below. SBC-13STATE and the Collocator will cooperatively manage the removal process. The Collocator is only responsible for physically removing entrance cables housed in conduits or inner-ducts and will only be required to do so when SBC-13STATE instructs the Collocator such removal can be accomplished without damaging or endangering other cables contained in a common duct or other equipment residing in the central office.
- 10.19 If Collocator fails to remove its equipment and facilities from the Virtual Collocation Space within thirty (30) calendar days after discontinuance of use, SBC-13STATE may perform the removal and shall charge Collocator for any materials used in any such removal, and the time spent on such removal at the then-applicable hourly rate for custom work. Further, in addition to the other provisions herein, Collocator shall indemnify and hold SBC-13STATE harmless from any and all claims, expenses, fees, or other costs associated with any such removal by SBC-13STATE.

## 11. TEST AND ACCEPTANCE

- 11.1 Collocator and SBC-13STATE will complete an acceptance walk-through visit of the Virtual Collocator's Space prior to turning the Virtual Collocation Space over to the Collocator's SBC-13STATE Approved Vendor. Exceptions that are noted during this acceptance walk-through visit shall be corrected by SBC-13STATE as soon as commercially reasonable after those exceptions are provided in writing, which exceptions shall be provided no more than five (5) business days after the walk through. The correction of these exceptions from Collocator's Virtual Collocation request shall be at SBC-13STATE expense.
- 11.2 Prior to Collocator's installation vendor powering up equipment, and after the frame connections and equipment has been installed, Collocator will schedule a pre-performance visual inspection visit with the LOC as specified in Section 9.2.5. The Collocator is responsible for visually inspecting the installation and to assure compliance with technical publication specifications. This visit shall be scheduled to take place within ten (10) business days after Collocator's request and shall take no longer than eight (8) hours. Should Collocator determine during the visual inspection that the installation is not compliant with specifications, Collocator may schedule an additional visual inspection after corrective work has been performed. Collocator shall be responsible for coordination with its SBC-13STATE Approved Vendor to be at the site for the visual inspection, acceptance testing and, when necessary, corrective work.

- 11.3 Prior to scheduled turn-up of the virtual collocated equipment, the Collocator will arrange to deliver to the **SBC-13STATE** Central Office, or other pre-designated location by **SBC-13STATE**, any spare plug-ins, circuit packs, tests sets, unique tools, circuit design information, technical publications, and any other necessary items that are needed to maintain and repair the Collocator's equipment. It is the Collocator's responsibility to arrange with their **SBC-13STATE** Approved Vendor to place any of the items provided into the Collocator's designated storage cabinet or shelf, if applicable.
- 11.4 Once the Collocator's equipment installation inspection is successfully completed, power must be turned up and tested, the virtually collocated equipment and remote monitoring capabilities must be tested, and connectivity must be tested. Power testing, and connectivity testing in certain situations, will require a cooperative test involving the Collocator, its **SBC-13STATE** approved installation contractor, **SBC-13STATE**, and/or **SBC-13STATE** vendor. Collocator and its installation contractor will perform the equipment and remote monitoring testing. To the extent possible, **SBC-13STATE** will work with Collocator to coordinate testing to minimize the number of visits required by Collocator and its contractor.
- 11.5 All installations of equipment must be in accordance with the **SBC-13STATE** TP76300MP standards and requirements for equipment and facility installations and subject to review by an **SBC-13STATE** maintenance engineer for compliance. Should **SBC-13STATE** maintenance engineer determine during their review that the installation is not compliant with specifications, Collocator may schedule an additional visual inspection after corrective work has been performed.
- 11.6 Collocator shall be responsible of coordination with its **SBC-13STATE** Approved Vendor to be at the site for acceptance testing.
- 11.7 Upon successful completion of the testing as described in Section 11.4 above, **SBC-13STATE** shall provide Collocator with written acceptance notification no more than five (5) business days after turnup of the virtually collocated equipment. Immediately following this notification, **SBC-13STATE** will begin to maintain and repair the virtual collocated equipment at the direction of the Collocator, if all training requirements have been met.
- 11.8 Collocator shall accept the installation of equipment and facilities prior to the installation of services using the equipment. Once the equipment is installed and accepted, Collocator will either order interconnection or network elements from **SBC-13STATE** to connect to the equipment.

## **12. DELIVERY INTERVALS**

- 12.1 The delivery interval relates to the period in which **SBC-13STATE** shall construct and turnover to the Collocator's **SBC-13STATE** Approved Vendor the requested



Virtual Collocation Space. The delivery interval begins on the date **SBC-13STATE** receives an accurate and complete Virtual Collocation Application from the Collocator. The delivery interval ends on the date **SBC-13STATE** is ready to turnover the Virtual Collocation Space to Collocator's **SBC-13STATE** Approved Vendor ("Delivery Date"). The Collocator must provide the **SBC-13STATE**, within seven (7) calendar days from the date of notification granting the application request, a confirmatory response in writing to continue construction along with the fifty percent (50%) payment of non-recurring charges (unless payment was received with application) or the delivery interval provided in table below will not commence until such time as **SBC-13STATE** has received such response and payment. If the Collocator has not provided the **SBC-13STATE** such response and payment by the twelfth (12th) calendar day after the date **SBC-13STATE** notified Collocator its request has been granted, the application will be canceled. Virtual Collocation Space is not reserved until **SBC-13STATE**'s receipt of the confirmatory response in writing from the Collocator with applicable fees. The delivery interval assigned will be provided to the Collocator by **SBC-13STATE** with the ten (10) calendar day space notification. Each complete and accurate Virtual Collocation Application received by **SBC-13STATE** from the Collocator will be processed in the order received unless the Collocator provides a priority list, whichever is applicable. The delivery interval for Virtual Collocation is determined by **SBC-13STATE** taking into consideration the various factors set forth in Table (1) below including, without limitation, the number of all Virtual Collocation Applications submitted by Collocator and the need for additional preparation of the space such as overhead racking, additional power or HVAC.

Table (1)

Number of All Virtual Collocation Applications submitted by One Collocator per state or metering region	Overhead Iron/Racking Exists for Virtual Collocation Space Use	Overhead Iron/Racking Does Not Exist for Virtual Collocation Space Use	Additional Power or HVAC is Required for Virtual Collocation Space Use
1 – 10	60 calendar days	80 calendar days	180 calendar days
11-20	65 calendar days	85 calendar days	185 calendar days

- 12.2 Should the Collocator submit twenty-one (21) or more applications within ten (10) business days, the above delivery intervals will be increased by five (5) calendar days for every five (5) additional applications or fraction thereof. Any material revision to an application will be treated as a new application and the delivery intervals set forth in Table (1) above will be re-started. All Virtual Collocation Applications received by **SBC-13STATE** from a Collocator within a ten (10) business day period shall be treated as submitted at the same time for purposes of administering the above staggering intervals. Virtual Collocation delivery interval ends when roughed in and the assigned space has been distinctly marked by **SBC-13STATE**.

- 12.2.1 For example, but not by way of limitation, if a Collocator submits twelve (12) complete and accurate Virtual Collocation Applications in a state, the delivery intervals assigned by **SBC-13STATE** will depend on which variables apply within each Eligible Structure Virtual Collocation is requested:

If Applications (1-4) are for Virtual Collocation Space where overhead racking exists, the delivery intervals assigned will be sixty (60) days. If Applications (5-11) are for Virtual Collocation Space where overhead racking does not exist, the delivery intervals assigned to Applications (5-10) will be eighty (80) calendar days and Application (11) will be assigned eighty five (85) calendar days. The Virtual Collocation Application (12) was requested in an Eligible Structure that needs additional HVAC added and would be assigned one hundred and eight five (185) calendar days.

- 12.3 The second fifty percent (50%) payment must be received by **SBC-13STATE** prior to the space being turned over to the Collocator's **SBC-13STATE** Approved Vendor. At space turnover, the Actual Point of Termination (APOT) Connection(s) will be provided to the Collocator's **SBC-13STATE** Approved Vendor by **SBC-13STATE**.
- 12.4 For the following interconnection cabling Augments, the Collocator must submit a complete and accurate Virtual Collocation Application:
- 168 DS1 connections and/or
  - 48 DS3 connections and/or
  - 400 Copper (shielded or nonshielded) cable pair connections
  - 12 fiber pair connections

This application must include an up-front payment of the Application Fee and fifty percent (50%) of all applicable non-recurring charges.

- 12.5 The cabling Augment interval is determined by **SBC-13STATE** taking into consideration the various factors set forth in Table (2) below including, without limitation, the number of all Virtual Collocation Applications for the above Augments submitted by Collocator, the type of infrastructure available for collocation, and the need for additional preparation of the infrastructure such as overhead racking and additional power. The cabling Augment interval assigned will be provided to the Collocator by **SBC-13STATE** with the ten (10) calendar day Augment notification. Each complete and accurate Virtual Collocation Application received by **SBC-13STATE** from the Collocator will be processed in the order received unless the Collocator provides a priority list, whichever is applicable. The cabling Augment interval is determined by **SBC-13STATE** taking into consideration the various factors set forth in Table (2) below including, without limitation, the number of all Virtual Collocation Applications for the above Augments submitted by Collocator, the type of infrastructure available for collocation, and the need for additional preparation of the

infrastructure such as overhead racking and additional power.

Table (2)

Number of All Cabling Augment Applications submitted by One Collocator per state or metering region	Necessary Elements such as Iron/Racking and Power exist for Virtual Collocation Use	Necessary Elements such as Iron/Racking and Power do not exist for Virtual Collocation Use
1 – 10	30 calendar days	60 calendar days
11-20	35calendar days	65 calendar days

- 12.6 Should the Collocator submit twenty-one (21) or more Virtual Collocation Applications for cabling Augments within ten (10) business days, the above cabling Augment intervals will be increased by five (5) calendar days for every five (5) additional application or fraction thereof. Any material revision to a Virtual Collocation Application for cabling Augments will be treated as a new application and the cabling Augment delivery intervals set forth in Table (2) above. All cabling Augment applications received by **SBC-13STATE** from a Collocator within a ten (10) business day period shall be treated as submitted at the same time for purposes of administering the above staggering intervals.

- 12.6.1 For example, but not by way of limitation, if a Collocator submits twelve (12) Virtual Collocation Applications for cabling Augments in a state, the delivery intervals assigned will depend on which variables apply within each Eligible Structure requested:

If Applications (1-4) are for Virtual Collocation cabling Augments where necessary elements such as overhead racking and power exists, the delivery interval assigned will be thirty (30) calendar days. If Applications (5-12) are for Physical Collocation where necessary elements such as overhead racking and power does not exists, the delivery interval assigned to Applications (5-10) will be sixty (60) calendar days and for Applications (11-12) sixty five (65) calendar days.

- 12.7 For all Augments other than provided above, **SBC-13STATE** will work cooperatively with Collocator to negotiate a mutually agreeable delivery intervals.
- 12.8 Within twenty (20) calendar days or mutually agreed upon time, from **SBC-13STATE**'s receipt of the confirmatory response in writing to continue construction on the Virtual Collocation arrangement requested along with the fifty percent (50%) payment of non-recurring charges (unless payment was received with application), **SBC-13STATE** will schedule a walk through visit with the CLEC and/or vendor to

provide floor plans of space and the preliminary route design for the interconnection and power cabling.

- 12.9 During SBC-13STATE delivery interval, if engineering design work is complete, which includes asbestos removal, HVAC installation, filtration, floor loading, floor preparation, and overhead racking placement, SBC-13STATE will notify Collocator that their SBC-13STATE Approved Vendor will be allowed to do work in parallel with SBC-13STATE throughout the remaining delivery interval. The Collocator must obtain an approved Method of Procedures (MOP) from SBC-13STATE and follow SBC-13STATE's Technical Publication for installation of equipment and facilities.
- 12.10 In responding to an application request that requires an ICB/NSCR, SBC-13STATE shall advise the Collocator with the quote whether space for the Virtual Collocation requested is available.

### 13. REPAIR AND MAINTENANCE OF EQUIPMENT

- 13.1 Except in emergency situations, and/or except when SBC-13STATE network reliability is at risk, Collocator will initiate the repair and maintenance process by contacting SBC-13STATE LOC. Collocator-owned fiber optic facilities and central office terminating equipment will be repaired and maintained only upon the request and direction of the Collocator. In an emergency, SBC-13STATE may perform necessary repairs without prior notification or both Parties agree to delineate methods and procedures for emergency notification handling with the LOC. The labor rates applicable to Virtual Collocation are contained within the state specific Appendix Pricing that apply to SBC-13STATE central offices and SBC-13STATE CEVs, Huts and Cabinets for all maintenance and repairs performed at the direction of the Collocator by SBC-13STATE.
- 13.2 When initiating repair or maintenance requests of Collocator provided virtually collocated equipment, Collocator shall provide the LOC with the following:
- 13.2.1 Notification that the purpose of the call is to establish a virtual collocation trouble ticket;
  - 13.2.2 SBC-13STATE Eligible Structure's CLLI, circuit identification and/or telephone number;
  - 13.2.3 Location of virtually collocated equipment (Bay, frame, shelf, circuit pack, location and type);
  - 13.2.4 A detailed description of the trouble;
  - 13.2.5 The name and telephone number of the Collocator's employee or Center that will cooperatively test with SBC-13STATE at no charge to SBC-13STATE; and

13.2.6 The type of the trouble.

- 13.3 When an SBC-13STATE technician calls the Collocator to perform repair/maintenance initiated by a trouble ticket, the Collocator will provide the SBC-13STATE technician with the proper sequencing of repair tasks, including any testing necessary to determine needed repairs.
- 13.4 SBC-13STATE is not obligated to provide any test equipment to support the Collocator's equipment. To the extent that test equipment owned by SBC-13STATE is located in the central office with the Collocator's equipment, is compatible with Collocator's equipment and is not currently being used to repair SBC-13STATE owned equipment, SBC-13STATE can use this test equipment for test operations directed by the Collocator. SBC-13STATE assumes no liability for damage to Collocator's equipment caused by using SBC-13STATE test equipment. SBC-13STATE is not obligated to move test equipment from one central office to another or to provide any test equipment specifically for use on Collocator's equipment. SBC-13STATE is under no obligation to provide lists of test equipment available at central offices and availability is not implied or guaranteed. Test set availability can only be guaranteed by the Collocator providing test equipment for their exclusive use in maintaining their equipment.
- 13.5 Upon mutual agreement, when service affecting reports cannot be restored and it is determined support is necessary, the Collocator's SBC-13STATE Approved Vendor may enter the Eligible Structure to assist in troubleshooting and resolving problems associated with the trouble report. If SBC-13STATE, working with the Collocator believes that it would be beneficial to allow the Collocator on site to aid in troubleshooting or restoring equipment, it will so request. Charges for an escort will apply in either situation and the Collocator must identify the employee and/or SBC-13STATE Approved Vendor that will assist in the restoration.
- 13.6 The Collocator may request SBC-13STATE to perform routine maintenance and scheduled events, at mutually agreed upon times, which will be billed on a time and material basis and performed on a case by case basis. When requesting maintenance on Collocator owned equipment, the Collocator shall provide SBC-13STATE with location and identification of the equipment, a detailed description of the maintenance requested, and the estimated time required performing the routine maintenance.
- 13.7 For routine maintenance, product upgrades, PCN's, Engineering Complaints, storage cabinet inventories, and generic upgrades, etc., the Collocator will contact the LOC to arrange access for the Manufacturer or Collocator's SBC-13STATE Approved Vendor to perform the necessary work and escort charges will apply as described in Section 14. For service affecting problems covered by the Manufacturer's warranty, SBC-13STATE shall perform repairs as described in Section 14 of this Appendix.

- 13.8 **SBC-13STATE** is responsible for maintaining 7 X 24 maintenance and repair schedule for the Collocator's virtual collocation equipment at the direction of the Collocator on at a time and material basis, however, maintenance and repair will only be provided on a 7 X 24 basis if the Collocator trains the adequate number of **SBC-13STATE** personnel provided to the Collocator per Eligible Structure.

#### 14. MEAN TIME RESPONSE INTERVAL (MTRI)

- 14.1 **SBC-13STATE** will be responsible for repairing/maintaining Collocator's virtually collocated equipment at the direction of the Collocator with the same diligence it repairs/maintains its own equipment. At a minimum, **SBC-13STATE** agrees to meet service response interval for installation, repair, and/or maintenance as defined below. Collocator will advise the LOC verbally, of the priority level for each trouble report based on the criteria below. The response interval is defined as the time from the conclusion of a trouble report call from Collocator to the LOC, to the time a **SBC-13STATE** technician notifies the Collocator's technical support center from the specified trouble location, of the Collocator's virtually collocated equipment that the technician is ready to begin repairs. The Mean Time Response Intervals (MTRIs) for each priority level follows:

- 14.1.1 **Priority 1 Tickets.** The MTRI for a Priority 1 Ticket is as follows: two (2) hours Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m. for Manned Offices; four (4) hour minimum callout Monday through Friday between the hours of 5:01 p.m. to 7:59 a.m.; Saturday and Sunday; and Unmanned Offices. If the callout exceeds the 4-hour minimum, additional hours will be charged at the callout rate for the duration of the ticket. A Priority 1 Ticket is issued for the following reasons:

14.1.1.1 Any network trouble reports where equipment and associated cabling indicates service degradation. This could include LOS (Loss of Signal), LOF (Loss of Frame), LOP (Loss of Pointer) or excessive errors.

14.1.1.2 Telemetry problems causing the loss of surveillance.

14.1.1.3 Remote access to the virtually collocated equipment.

- 14.1.2 **Priority 2 Tickets**—The MTRI for a Priority 2 Ticket is twenty-four (24) hours. A Priority 2 Ticket is issued for the following reasons:

14.1.2.1 All other non-service affecting report that is not a threat to customer service over night. Also, issue this type of priority ticket when a non-standard installation of plug-in(s) and/or circuit pack(s) is

requested by the Collocator as described in Section 9.8.

**14.1.3 Priority 3 Tickets**—The MTRI for a Priority 3 Ticket is seventy-two (72) hours. A Priority 3 Ticket is issued for the following reasons:

14.1.3.1 Minor reports that have been determined not to be an immediate threat to customer service.

**14.1.4 Priority 4 Tickets**—The MTRI for a Priority 4 Ticket is four (4) business days. A Priority 4 Ticket is issued for the following reasons:

14.1.4.1 Installation of plug-ins or circuit packs, routine maintenance, etc. as described in Section 9.5 and 13.7. When installation is performed by the Collocator's **SBC-13STATE** Approved Vendor or Manufacturer, the Collocator will make arrangements with the LOC for a mutual agreed arrangement and escort charges will apply, unless the Collocator's **SBC-13STATE** Approved Vendor has a current existing Installation Agreement (IA) for the installation being performed in the Central Office. All jobs as described above that are to be performed by **SBC-13STATE** shall be requested through the LOC by the Collocator and completed at the direction of the Collocator. Collocator must identify the Manufacturer and/or **SBC-13STATE** Approved Vendor performing the work.

14.2 Charges to install, repair, and maintain Collocator's equipment will be billed per the state specific rates provided in the attached Appendix Pricing. If Collocator has not supplied sufficient replacement/installment part(s) or appropriate test equipment at the time **SBC-13STATE**'s technician is ready to begin work at a Central Office, **SBC-13STATE** will close out the ticket. Collocator must generate another trouble report to request the repair, installation, and/or maintenance once such part(s) and/or equipment have been delivered to the Eligible Structure.

## **15. CASUALTY LOSS**

15.1 If the Eligible Structure is damaged by fire or other casualty, and:

15.1.1 The Virtual Collocation Space is rendered non-tenantable in whole or in part, **SBC-13STATE** shall repair the same at its expense (as herein limited) and the recurring charges shall not be abated; or

15.1.2 The Virtual Collocation Space is rendered non-tenantable in whole or in part and such damage or destruction can be repaired within ninety (90) calendar days, **SBC-13STATE** has the option to repair the collocation space at its expense (as herein limited) and the recurring charges shall be proportionately abated to the extent and while Collocator was deprived of the use. If the collocation space cannot be repaired within ninety (90) calendar days, or **SBC-**

**13STATE** opts not to rebuild, then the collocation arrangement provided shall (upon notice to Collocator within thirty (30) calendar days following such occurrence) terminate as the date of such damage. **SBC-13STATE** shall endeavor to relocate Collocator equipment to an alternative location.

- 15.2 Any obligation on the part of **SBC-13STATE** to repair the collocation space shall be limited to repairing, restoring, and rebuilding the collocation space as originally prepared for Collocator and shall not include any obligation to repair, restore, rebuild or replace any Collocator equipment; or other facilities or equipment located in the Virtual Collocation Space. Upon mutual agreement, when Collocator's space or equipment is damaged, the Collocator may arrange a visit with the LOC to inspect the condition and escort charges will apply. The Collocator must identify the employee(s) and/or **SBC-13STATE** Approved Vendor that will attend in the visit.
- 15.3 In the event the Eligible Structure shall be so damaged by fire or other casualty that closing, demolition or substantial alteration or reconstruction thereof shall be necessary then, notwithstanding that the collocation space may be unaffected thereby, **SBC-13STATE** at its option, may terminate any collocation arrangement in that Eligible Structure by giving Collocator ten (10) business days prior written notice within thirty (30) business days following the date of such occurrence, if at all possible.

## **16. REMOVAL OF EQUIPMENT**

- 16.1 Unless otherwise set forth herein, if Collocator shall default in performance of any term or condition herein, and the default shall continue for thirty (30) calendar days after receipt of written notice, or if Collocator is declared bankrupt or insolvent or makes an assignment for the benefit of creditors, **SBC-13STATE** may, immediately or at any time thereafter, without notice or demand, expel Collocator and any claiming under Collocator, remove any Collocator equipment and any other items in the Virtual Collocation Space, forcibly if necessary, and there upon such Virtual Collocation arrangement shall terminate, without prejudice to any other remedies **SBC-13STATE** might have. **SBC-13STATE** may exercise this authority on an individual collocation space basis. **SBC-13STATE** may also refuse additional applications for collocation and/or refuse to complete any pending orders for additional space or collocation by Collocator at any time thereafter.

## **17. LIMITATION OF LIABILITY**

- 17.1 Collocator acknowledges and understands that **SBC-13STATE** may provide space in or access to the Eligible Structure to other persons or entities ("Others"), which may include competitors of Collocator's; that such space may be close to the Virtual Collocation Space, possibly including space adjacent to the Virtual Collocation Space and/or with access to the outside of the Virtual Collocation Space. In addition to any other applicable limitation, **SBC-13STATE** shall have absolutely no liability with respect to any action or omission by any other, regardless of the degree of culpability



of any such other or SBC-13STATE, and regardless of whether any claimed SBC-13STATE liability arises in tort or in contract. Collocator shall save and hold SBC-13STATE harmless from any and all costs, expenses, and claims associated with any such acts or omission by any Other acting for, through, or as a result of Collocator.

## 18. INDEMNIFICATION OF SBC-13STATE

### 18.1 Indemnification of SBC-13STATE

18.1.1 In addition to any indemnification obligations set forth in the General Terms and Conditions of this Agreement), Collocator's shall indemnify and hold harmless SBC-13STATE the agents, employees, officers, directors and shareholders of any of them ("Indemnities"), from and against any and all liabilities, obligations, claims, causes of action, fines, penalties, losses, costs, expenses (including court costs and reasonable attorney's fees), damages, injuries, of any kind, (individually and collectively "Liabilities"), including but not limited to, Liabilities as a result of (a) injury to or death of any person; (b) damage to or loss or destruction of any property; or (c) Liabilities related in any manner to employee benefits, workers compensation, payroll tax, and any other employer obligations which may be asserted against SBC-13STATE where such liabilities arise in connection with Collocator's use of persons that it classifies as an independent contractor or subcontractor to perform obligations under this Agreement; (d) attachments, liens or claims of material persons or laborers, arising out of or resulting from or in connection with this Agreement or the performance of or failure to perform and directly or indirectly caused, in whole or part, by acts of omissions, negligent or otherwise, of Collocator or a contractor or a representative of Collocator or an employee of any one of them, except to the extent such Liabilities arise from the willful or intentional misconduct of SBC-13STATE or its employees.

## 19. NOTICES

19.1 Except in emergency situations, SBC-13STATE shall provide Collocator with written notice five (5) business days prior to those instances where SBC-13STATE or its subcontractors may be undertaking a major construction project in the general area of the Virtual Collocation Space or in the general area of the AC and DC power plants which support the Virtual Collocation Space.

19.2 SBC-13STATE will inform Collocator by telephone of any emergency-related activity that SBC-13STATE or its subcontractors may be performing in the general area of the Virtual Collocation Space occupied by Collocator or in the general area of the AC and DC power plants which support the Virtual Collocation Space. Notification of any emergency related activity should be made to Collocator as soon as reasonably possible so that Collocator can take any action required monitoring or protecting its service.

19.3 **SBC-13STATE** will provide Collocator with written notification within ten (10) business days of any scheduled AC or DC power work or related activity in the Eligible Structure that will cause an outage or any type of power disruption to Collocator's equipment. **SBC-13STATE** shall provide Collocator immediate notification by telephone of any emergency power activity that would impact Collocator's equipment.

19.4 Except as may be specifically permitted in this Agreement, any notice or demand, given by one party to the other shall be in writing and shall be valid and sufficient if dispatched by registered or certified mail, return receipt requested, postage prepaid, in the United States mails, or by facsimile transmission; provided, however, that notices sent by such registered or certified mail shall be effective on the third business day after mailing and those sent by facsimile transmission shall only be effective on the date transmitted if such notice is also sent by such registered or certified mail no later than the next business day after transmission, all addressed as follows:

If to (AR, CA, CT, KS, MO, NV, OK, TX)  
Account Manager - Collocation  
2600 North Central Expressway  
6<sup>th</sup> Floor,  
Richardson, Texas 75080

If to (IL, IN, MI, OH, WI)  
Account Manager - Collocation  
350 N. Orleans St., 5<sup>th</sup> Flr.  
Chicago, Illinois 60654

If to Collocator: Charles L. Schneider, Jr.  
Director-Business Development  
25900 Greenfield Road, Suite 330  
Oak Park, MI 48237

Either party hereto may change its address by written notice given to the other party hereto in the manner set forth above.

19.5 Except as may be specifically permitted in this Agreement, any payment desired or required to be given by one party to the other shall be dispatched by registered or certified mail, return receipt requested, postage prepaid, in the United States mails, and shall be addressed as follows:

CSC  
2600 North Central Expressway,  
6<sup>th</sup> floor,

**Richardson, Texas 75080**

If to Collocator:

**Charles L. Schneider, Jr.  
Director-Business Development  
25900 Greenfield Road, Suite 330  
Oak Park, MI 48237**

## **20. INSURANCE**

- 20.1 Collocator shall furnish **SBC-13STATE** with certificates of insurance which evidence the minimum levels of insurance set forth in the General Terms and Conditions of this Agreement, and state the types of insurance and policy limits provided by Collocator. **SBC-13STATE** shall be named as an ADDITIONAL INSURED on general liability policy.

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED OR MATERIALLY CHANGED, THE ISSUING COMPANY WILL MAIL THIRTY (30) CALENDAR DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER (S).

- 20.1.1 In addition to the insurance requirements set forth in this Agreement, Collocator must maintain all Risk Property coverage on a full replacement cost basis insuring all of Collocator's personal property situated on or within the Eligible Structure. Collocator releases **SBC-13STATE** from and waives any and all right of recovery, claim, action or cause of action against **SBC-13STATE**, its agents, directors, officers, employees, independent contractors, and other representatives for any loss or damage that may occur to equipment or any other personal property belonging to Collocator or located on or in the space at the request of Collocator when such loss or damage is by reason of fire or water or the elements or any other risks that would customarily be included in a standard all risk insurance policy covering such property, regardless of cause or origin, including negligence of **SBC-13STATE**, its agents, directors, officers, employees, independent contractors, and other representatives. Property insurance on Collocator's fixtures and other personal property shall contain a waiver of subrogation against **SBC-13STATE**, and any rights of Collocator against **SBC-13STATE** for damage to Collocator's fixtures or personal property are hereby waived. Collocator may also elect to purchase business interruption and contingent business interruption insurance, knowing that **SBC-13STATE** has no liability for loss of profit or revenues should an interruption of service occur that is attributable to any Virtual Collocation arrangement provided under this Appendix.
- 20.2 The limits for insurance set forth in the General Terms and Conditions of this Agreement may be increased by **SBC-13STATE** from time to time during the term of a Collocation arrangement to at least such minimum limits as shall then be customary

in respect of comparable situations within the existing **SBC-13STATE** structure.

- 20.3 All policies purchased by Collocator shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by **SBC-13STATE**.
- 20.4 All insurance must be in effect on or before occupancy date and shall remain in force as long as any of Collocator's equipment or other Collocator facilities or equipment remain within the Eligible Structure.
- 20.5 Collocator shall submit certificates of insurance reflecting the coverages specified in the General Terms and Conditions of this Agreement prior to, and as a condition of, **SBC-13STATE**'s obligation to turn over the Virtual Collocation Space to Collocator or to permit any Collocator-designated subcontractors into the Eligible Structure. Collocator shall arrange for **SBC-13STATE** to receive thirty (30) calendar day's advance written notice from Collocator's insurance company(ies) of cancellation, non-renewal or substantial alteration of its terms.
- 20.6 Collocator must also conform to recommendations made by **SBC-13STATE**'s Property Insurance Company, if any, unless a recommendation is also applicable to **SBC-13STATE** and **SBC-13STATE** does not so conform in the Eligible Structure where the Virtual Collocation Space is located.
- 20.7 Failure to comply with the provisions of this "Insurance" Section will be deemed a material breach of this Agreement.

## **21. PROTECTION OF SERVICE AND PROPERTY**

- 21.1 **SBC-13STATE** shall use its existing power back-up and power recovery plan in accordance with its standard policies for the specific Central Office.
- 21.2 For the purpose of notice permitted or required by this Appendix, each Party shall provide the other Party a Single Point of Contact (SPOC) available twenty-four (24) hours a day, seven (7) days a week.

## **22. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

- 22.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of this Agreement are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for

disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.

## APPENDIX 911

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## APPENDIX 911

### TERMS AND CONDITIONS FOR PROVIDING CONNECTION TO E911 UNIVERSAL EMERGENCY NUMBER SERVICE

#### 1. INTRODUCTION

- 1.1 This Appendix sets forth terms and conditions for E911 Service provided by the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) and CLEC.
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone, L.P. d/b/a/ Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.3 As used herein, **SBC-13STATE** means the applicable above listed ILEC doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.4 As used herein, **SBC-AMERITECH** means the applicable above listed ILEC doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 1.5 As used herein, **SBC-PACIFIC** means the applicable above listed ILEC doing business in California.
- 1.6 As used herein, **SBC-NEVADA** means the applicable above listed ILEC doing business in Nevada.
- 1.7 The prices at which **SBC-13STATE** agrees to provide CLEC with E911 Service are contained in the applicable Appendix Pricing and/or the applicable Commissioned ordered tariff where stated.

#### 2. DEFINITIONS

- 2.1 **“911 Trunk”** means a trunk capable of transmitting Automatic Number Identification (ANI) associated with a call to 911 from CLEC’s End Office to the E911 system.



- 2.2 **“Automatic Location Identification” or “ALI”** means the automatic display at the PSAP of the caller’s telephone number, the address/location of the telephone and, in some cases, supplementary emergency services information.
- 2.3 **“Automatic Number Identification” or “ANI”** means the telephone number associated with the access line from which a call to 911 originates.
- 2.4 **“Company Identifier” or “Company ID”** means a three to five (3 to 5) character identifier chosen by the Local Exchange Carrier that distinguishes the entity providing dial tone to the End-User. The Company Identifier is maintained by NENA in a nationally accessible database.
- 2.5 **“Database Management System” or “DBMS”** means a system of manual procedures and computer programs used to create, store and update the data required to provide Selective Routing and/or Automatic Location Identification for 911 systems.
- 2.6 **“E911 Customer”** means a municipality or other state or local government unit, or an authorized agent of one or more municipalities or other state or local government units to whom authority has been lawfully delegated to respond to public emergency telephone calls, at a minimum, for emergency police and fire services through the use of one telephone number, 911.
- 2.7 **“E911 Universal Emergency Number Service” (also referred to as “Expanded 911 Service” or “Enhanced 911 Service”) or “E911 Service”** means a telephone exchange communications service whereby a public safety answering point (PSAP) answers telephone calls placed by dialing the number 911. E911 includes the service provided by the lines and equipment associated with the service arrangement for the answering, transferring, and dispatching of public emergency telephone calls dialed to 911. E911 provides completion of a call to 911 via dedicated trunking facilities and includes Automatic Number Identification (ANI), Automatic Location Identification (ALI), and/or Selective Routing (SR).
- 2.8 **“Emergency Services”** means police, fire, ambulance, rescue, and medical services.
- 2.9 **“Emergency Service Number” or “ESN”** means a three to five digit number representing a unique combination of emergency service agencies (Law Enforcement, Fire, and Emergency Medical Service) designated to serve a specific range of addresses within a particular geographical area. The ESN facilitates selective routing and selective transfer, if required, to the appropriate PSAP and the dispatching of the proper service agency (ies).
- 2.10 **“National Emergency Number Association” or “NENA”** means the National Emergency Number Association is a not-for-profit corporation established in 1982 to further the goal of “One Nation-One Number”. NENA is a networking source and

promotes research, planning, and training. NENA strives to educate, set standards and provide certification programs, legislative representation and technical assistance for implementing and managing 911 systems.

- 2.11 **“Public Safety Answering Point” or “PSAP”** means an answering location for 911 calls originating in a given area. The E911 Customer may designate a PSAP as primary or secondary, which refers to the order in which calls are directed for answering. Primary PSAPs answer calls; secondary PSAPs receive calls on a transfer basis. PSAPs are public safety agencies such as police, fire, emergency medical, etc., or a common bureau serving a group of such entities.
- 2.12 **“Selective Routing” and “Selective Router” or “SR”** means the routing and equipment used to route a call to 911 to the proper PSAP based upon the number and location of the caller. Selective routing is controlled by an ESN, which is derived from the location of the access line from which the 911 call was placed.

### 3. **SBC-13STATE RESPONSIBILITIES**

- 3.1 **SBC-13STATE** shall provide and maintain such equipment at the E911 SR and the DBMS as is necessary to perform the E911 services set forth herein when **SBC-13STATE** is the 911 Service Provider. **SBC-13STATE** shall provide 911 Service to CLEC as described this section in a particular Rate Center in which CLEC is authorized to provide local telephone exchange service and **SBC-13STATE** is the 911 Service Provider. This shall include the following:
  - 3.2 Call Routing
    - 3.2.1 **SBC-13STATE** will transport 911 calls from each CLEC point of interconnection (POI) to the SR office of the E911 system, where **SBC-13STATE** is the 911 Service Provider.
    - 3.2.2 **SBC-13STATE** will switch 911 calls through the SR to the designated primary PSAP or to designated alternate locations, according to routing criteria specified by the PSAP.
    - 3.2.3 **SBC-13STATE** will forward the calling party number (ANI) it receives from CLEC and the associated 911 Address Location Identification (ALI) to the PSAP for display. If no ANI is forwarded by CLEC, **SBC-13STATE** will forward an Emergency Service Central Office (ESCO) identification code for display at the PSAP. If ANI is forwarded by the CLEC, but no ANI record is found in the E911 DBMS, **SBC-13-STATE** will report this “No Record Found” condition to the CLEC in accordance with NENA standards.

3.3 Facilities and Trunking

- 3.3.1 **SBC-13STATE** shall provide and maintain sufficient dedicated E911 trunks from **SBC-13STATE**'s SR to the PSAP of the E911 Customer, according to provisions of the appropriate state Commission-approved tariff and documented specifications of the E911 Customer.
- 3.3.2 **SBC-13STATE** will provide facilities to interconnect the CLEC, as specified in the local state tariff. Additionally, when diverse facilities are requested by CLEC, **SBC-13STATE** will provide such diversity where technically feasible, at standard local state tariff rates.
- 3.3.3 Upon written request by CLEC, **SBC-13STATE** shall, in a timely fashion, provide CLEC with a description of the geographic area (or Rate Center) and PSAPs served by the E911 SR based upon the standards set forth in the May 1997 NENA Recommended Standards for Local Service Provider Interconnection Information Sharing, or any subsequent revision(s) thereto.
- 3.3.4 **SBC-13STATE** and CLEC will cooperate to promptly test all trunks and facilities between CLEC's network and the **SBC-13STATE** SR(s).

3.4 Database

- 3.4.1 Where **SBC-13STATE** manages the E911 database, **SBC-13STATE** shall store the CLEC's End User 911 Records [that is, the name, address, and associated telephone number(s) for each of CLEC's End Users served by CLEC's exchange(s)] in the electronic data processing database for the E911 DBMS. CLEC or its representative(s) is responsible for electronically providing End User 911 Records and updating this information.
- 3.4.2 **SBC-13STATE** shall coordinate access to the **SBC-13STATE** E911 DBMS for the initial loading and updating of CLEC End User 911 Records.
- 3.4.3 **SBC-13STATE**'s ALI database shall accept electronically transmitted files that are based upon NENA standards. Manual entry shall be allowed only in the event that DBMS is not functioning properly.
- 3.4.4 **SBC-13STATE** will update CLEC's End User 911 Records in the E911 DBMS. **SBC-13STATE** will then provide CLEC an error and status report. This report will be provided in a timely fashion and in accordance with the methods and procedures described in the documentation to be provided to the CLEC.
- 3.4.5 **SBC-13STATE** shall provide the CLEC with a file containing the Master Street Address Guide (MSAG) for the CLEC's respective exchanges or communities. The MSAG will be provided on a routine basis but only for

those areas where CLEC is authorized to do business as a local exchange service provider and SBC-13STATE is the 911 service provider.

- 3.4.6 Where SBC-13STATE manages the DBMS, SBC-13STATE shall establish a process for the management of NPA splits by populating the DBMS with the appropriate NPA codes.

#### 4. CLEC RESPONSIBILITIES

##### 4.1 Call Routing

- 4.1.1 CLEC will transport 911 calls from each point of interconnection (POI) to the SBC-13STATE SR office of the E911 system, where SBC-13STATE is the 911 Service Provider.
- 4.1.2 CLEC will forward the ANI information of the party calling 911 to the SBC-13STATE 911 Selective Router.

##### 4.2 Facilities and Trunking

- 4.2.1 CLEC shall provide interconnection with each SBC-13STATE 911 Selective Router that serves the exchange areas in which CLEC is authorized to and will provide telephone exchange service.
- 4.2.2 CLEC acknowledges that its End Users in a single local calling scope may be served by different SRs and CLEC shall be responsible for providing facilities to route 911 calls from its End Users to the proper E911 SR.
- 4.2.3 CLEC shall provide a minimum of two (2) one-way outgoing E911 trunk(s) dedicated for originating 911 emergency service calls from the point of interconnection (POI) to each SBC-13STATE 911 Selective Router, where applicable. Where SS7 connectivity is available and required by the applicable 911 Customer, the Parties agree to implement Common Channel Signaling trunking rather than CAMA MF trunking.
- 4.2.4 In SBC-AMERITECH only, the CLEC is responsible for providing a separate 911 trunk group for each county or other geographic area that it serves if the 911 Customer for such county or geographic area has a specified varying default routing condition. In addition, 911 traffic originating in one (1) NPA (area code) must be transmitted over a separate 911 trunk group from 911 traffic originating in any other NPA (area code) 911.
- 4.2.5 CLEC shall maintain transport capacity sufficient to route traffic over trunks between the CLEC switch and the SBC-13STATE SR.

- 4.2.6 CLEC shall provide sufficient trunking and facilities to route CLEC's originating 911 calls to the designated **SBC-13STATE** 911 SR. CLEC is responsible for requesting that trunking and facilities be routed diversely for 911 connectivity.
- 4.2.7 CLEC is responsible for determining the proper quantity of trunks and facilities from its switch(es) to the **SBC-13STATE** 911 SR.
- 4.2.8 CLEC shall engineer its 911 trunks to attain a minimum P.01 grade of service as measured using the "busy day/busy hour" criteria or, if higher, at such other minimum grade of service as required by Applicable Law or duly authorized Governmental Authority.
- 4.2.9 CLEC shall monitor its 911 circuits for the purpose of determining originating network traffic volumes. If CLEC's traffic study indicates that additional circuits are needed to meet the current level of 911 call volumes, CLEC shall request additional circuits from **SBC-13STATE**.
- 4.2.10 CLEC will cooperate with **SBC-13STATE** to promptly test all 911 trunks and facilities between CLEC's network and the **SBC-13STATE** 911 Selective Router(s) to assure proper functioning of 911 service. CLEC agrees that it will not pass live 911 traffic until successful testing is completed by both parties.
- 4.2.11 CLEC is responsible for the isolation, coordination and restoration of all 911 network maintenance problems to CLEC's demarcation (for example, collocation). **SBC-13STATE** will be responsible for the coordination and restoration of all 911 network maintenance problems beyond the demarcation (for example, collocation). CLEC is responsible for advising **SBC-13STATE** of the circuit identification and the fact that the circuit is a 911 circuit when notifying **SBC-13STATE** of a failure or outage. The Parties agree to work cooperatively and expeditiously to resolve any 911 outage. **SBC-13STATE** will refer network trouble to CLEC if no defect is found in **SBC-13STATE**'s 911 network. The Parties agree that 911 network problem resolution will be managed expeditiously at all times.

#### 4.3 Database

- 4.3.1 Once E911 trunking has been established and tested between CLEC's End Office and all appropriate SR, CLEC or its representatives shall be responsible for providing CLEC's End User 911 Records to **SBC-13STATE** for inclusion in **SBC-13STATE**'s DBMS on a timely basis. **SBC-13STATE** and CLEC shall arrange for the automated input and periodic updating of CLEC's End User 911 Records.

- 4.3.2 CLEC or its agent shall provide initial and ongoing updates of CLEC's End User 911 Records that are MSAG-valid in electronic format based upon established NENA standards.
- 4.3.3 CLEC shall adopt use of a Company ID on all CLEC End User 911 Records in accordance with NENA standards. The Company ID is used to identify the carrier of record in facility configurations.
- 4.3.4 CLEC is responsible for providing **SBC-13STATE** updates to the ALI database; in addition, CLEC is responsible for correcting any errors that may occur during the entry of their data to the **SBC-13STATE** 911 DBMS.
- 4.3.5 The CLEC shall reimburse **SBC-13STATE** for any additional database charges incurred by **SBC-13STATE** for errors in ALI data updates caused by CLEC or its third-party agent.
- 4.3.6 CLEC shall be solely responsible for providing test records and conducting call-through testing on all new exchanges.
- 4.4 Other
  - 4.4.1 CLEC is responsible for collecting from its End Users and remitting to the appropriate municipality or other governmental entity any applicable 911 surcharges assessed on the local service provider and/or End Users by any municipality or other governmental entity within whose boundaries the CLEC provides local exchange service.

## 5. RESPONSIBILITIES OF BOTH PARTIES

- 5.1 Jointly coordinate the provisioning of transport capacity sufficient to route originating 911 calls from the CLEC's POI to the designated **SBC-13STATE** 911 Selective Router(s).

## 6. METHODS AND PRACTICES

- 6.1 With respect to all matters covered by this Appendix, each Party will comply with all of the following to the extent that they apply to E911 Service: (i) all FCC and applicable state Commission rules and regulations, (ii) any requirements imposed by any Governmental Authority other than a Commission, (iii) the terms and conditions of **SBC-13STATE**'s Commission-ordered tariff(s) and (iv) the principles expressed in the recommended standards published by NENA.
- 6.2 **SBC-13STATE** will adhere to the March 1997 NENA recommended Standards for Local Service Providers relating to provision of dedicated trunks from the End User's End Office Switch to **SBC-13STATE**'s Selective Routing. **SBC-13STATE** will

only exceed the NENA recommended Minimum Trunking Requirements for such trunks under extenuating circumstances and with the prior written approval of the public safety entity that is the E911 Customer as defined in Section 2.6.

## **7. CONTINGENCY**

- 7.1 The terms and conditions of this Appendix represent a negotiated plan for providing E911 Service.
- 7.2 The Parties agree that the E911 Service is provided for the use of the E911 Customer, and recognize the authority of the E911 Customer to establish service specifications and grant final approval (or denial) of service configurations offered by **SBC-13STATE** and CLEC. These specifications shall be documented in Exhibit I, CLEC Serving Area Description and E911 Interconnection Details. CLEC shall complete its portion of Exhibit I and submit it to **SBC-13STATE** not later than forty-five (45) days prior to the passing of live traffic. **SBC-13STATE** shall complete its portion of Exhibit I and return Exhibit I to CLEC not later than thirty (30) days prior to the passing of live traffic.
- 7.3 CLEC must obtain documentation of approval of the completed Exhibit I from the appropriate E911 Customer(s) that have jurisdiction in the area(s) in which CLEC's End Users are located. CLEC shall provide documentation of all requisite approval(s) to **SBC-13STATE** prior to use of CLEC's E911 connection for actual emergency calls.
- 7.4 Each Party has designated a representative who has the authority to complete additional Exhibit(s) I to this Appendix when necessary to accommodate expansion of the geographic area of CLEC into the jurisdiction of additional PSAP(s) or to increase the number of CAMA trunks. CLEC must obtain approval of each additional Exhibit I, as set forth in Section 7.2, and shall furnish documentation of all requisite approval(s) of each additional Exhibit I in accordance with Section 7.2.
- 7.5 In **PACIFIC**, **NEVADA**, and **SBC-AMERITECH**; the state specific forms shall be submitted in lieu of the Exhibit I referenced in Sections 7.1, 7.2 and 7.4 hereof.

## **8. BASIS OF COMPENSATION**

- 8.1 Rates for access to E911 Services are set forth in **SBC-13STATE**'s Appendix Pricing or applicable state Commission-approved tariff.
- 8.2 Charges shall begin on the date that E911 Service is turned on for live traffic.

## 9. LIABILITY

- 9.1 SBC-13STATE's liability and potential damages, if any, for its gross negligence, recklessness or intentional misconduct, is not limited by any provision of this Appendix. SBC-13STATE shall not be liable to CLEC, its End Users or its E911 calling parties or any other parties or persons for any Loss arising out of the provision of E911 Service or any errors, interruptions, defects, failures or malfunctions of E911 Service, including any and all equipment and data processing systems associated therewith. Damages arising out of such interruptions, defects, failures or malfunctions of the system after SBC-13STATE has been notified and has had reasonable time to repair, shall in no event exceed an amount equivalent to any charges made for the service affected for the period following notice from CLEC until service is restored.
- 9.2 CLEC's liability and potential damages, if any, for its gross negligence, recklessness or intentional misconduct is not limited by any provision of this Appendix. In the event CLEC provides E911 Service to SBC-13STATE, CLEC shall not be liable to SBC-13STATE, its End Users or its E911 calling parties or any other parties or persons for any Loss arising out of the provision of E911 Service or any errors, interruptions, defects, failures or malfunctions of E911 Service, including any and all equipment and data processing systems associated therewith. Damages arising out of such interruptions, defects, failures or malfunctions of the system after CLEC has been notified and has had reasonable time to repair, shall in no event exceed an amount equivalent to any charges made for the service affected for the period following notice from SBC-13STATE until service is restored.
- 9.3 CLEC agrees to release, indemnify, defend and hold harmless SBC-13STATE from any and all Loss arising out of SBC-13STATE's provision of E911 Service hereunder or out of CLEC's End Users' use of the E911 Service, whether suffered, made, instituted or asserted by CLEC, its End Users, or by any other parties or persons, for any personal injury or death of any person or persons, or for any loss, damage or destruction of any property, whether owned by CLEC, its End Users or others, unless the act or omission proximately causing the Loss constitutes gross negligence, recklessness or intentional misconduct of SBC-13STATE.
- 9.4 CLEC also agrees to release, indemnify, defend and hold harmless SBC-13STATE from any and all Loss involving an allegation of the infringement or invasion of the right of privacy or confidentiality of any person or persons, caused or claimed to have been caused, directly or indirectly, by the installation, operation, failure to operate, maintenance, removal, presence, condition, occasion or use of the E911 Service features and the equipment associated therewith, including by not limited to the identification of the telephone number, address or name associated with the telephone used by the party or parties accessing E911 Service provided hereunder, unless the act or omission proximately causing the Loss constitutes the gross negligence, recklessness or intentional misconduct of SBC-13STATE.



**10. MUTUALITY**

- 10.1 CLEC agrees that to the extent it offers the type of services covered by this Appendix to any company, that should SBC-13STATE request such services, CLEC will provide such services to SBC-13STATE under terms and conditions comparable to the terms and conditions contained in this Appendix.

**11. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

- 11.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.

## **APPENDIX MERGER CONDITIONS**

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**APPENDIX MERGER CONDITIONS****1. MERGER CONDITIONS**

- 1.1 For purposes of this Appendix only **SBC-13STATE** is defined as one of the following ILECs as appropriate to the underlying Agreement (without reference to this Appendix) in those geographic areas where the referenced SBC owned Company is the ILEC: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone Company<sup>1</sup>, and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.1.1 As used herein, **SBC-AMERITECH** means the applicable listed ILEC(s) doing business in Illinois, Indiana, Michigan, Ohio and Wisconsin.
- 1.1.2 As used herein, **SBC-13STATE** means an ILEC doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas and Wisconsin.
- 1.2 **SBC-13STATE** will provide to CLEC certain items as set out in the Conditions for FCC Order Approving **SBC/Ameritech** Merger, CC Docket No. 98-141 (FCC Merger Conditions), including certain carrier-to-carrier promotions for use by CLEC to provision local service to residential end user customers on terms and conditions described in the FCC Merger Conditions, an alternative dispute resolution ("ADR") process designed to resolve carrier-to-carrier disputes before such disputes become formal complaints before the Commission and other items as specified herein.
- 1.3 The Parties agree to abide by and incorporate by reference into this Appendix the FCC Merger Conditions.
- 1.4 This Appendix terminates the earlier of (1) the date this Agreement itself terminates without reference to this Appendix or (2) the date **SBC-13STATE** obligations cease under the FCC Merger Conditions.

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<sup>1</sup> On December 30, 2001, Southwestern Bell Telephone Company (a Missouri corporation) was merged with and into Southwestern Bell Texas, Inc. (a Texas corporation) and, pursuant to Texas law, was converted to Southwestern Bell Telephone, L.P., a Texas limited partnership, doing business as Southwestern Bell Telephone Company ("SWBT").

**2. DEFINED TERMS; DATES OF REFERENCE**

- 2.1 Unless otherwise defined in this Appendix, capitalized terms shall have the meanings assigned to such terms in the Agreement without reference to this Appendix and in the FCC Merger Conditions.
- 2.2 For purposes of calculating the intervals set forth in the FCC Merger Conditions concerning carrier to carrier promotions:
- 2.2.1 the Merger Closing Date is October 8, 1999; and
- 2.2.2 the Offering Window begins November 7, 1999.
- 2.3 "FCC Merger Conditions" means the Conditions for FCC Order Approving **SBC/Ameritech** Merger, CC Docket No. 98-141.

**3. DISCOUNTED SURROGATE LINE SHARING CHARGES**

- 3.1 Effective June 6, 2000, this discount is no longer available.

**4. OSS: CHANGE MANAGEMENT PROCESS**

- 4.1 Upon request by CLEC, within one month of the Merger Closing Date, **SBC-13STATE** and CLEC shall begin to negotiate along with other interested GLECs a uniform change management process for implementation in the **SBC-13STATE** Service-Area to the extent required by paragraph 32 of the FCC Merger Conditions. For purposes of this Paragraph, "change management process" means the documented process that **SBC-13STATE** and the CLECs follow to facilitate communication about OSS changes, new interfaces and retirement of old interfaces, as well as the implementation timeframes; which includes such provisions as a 12-month developmental view, release announcements, comments and reply cycles, joint testing processes and regularly scheduled change management meetings. **SBC-13STATE** will follow the uniform change management process agreed upon with interested CLECs.

**5. OSS: ELIMINATION OF CERTAIN FLAT-RATE MONTHLY CHARGES**

- 5.1 Effective with the first billing cycle that begins after the Merger Closing date, **SBC-13STATE** hereby eliminates in the **SBC-13STATE** Service Area, on a going-forward basis, all flat-rate monthly charges for access to the Remote Access Facility and the Information Services Call Center. The intent of this Paragraph is to eliminate the flat-rate monthly charges (amounting to approximately \$3600 per month per CLEC per State) that **SBC-13STATE** charged CLECs prior to the Merger Closing Date. Effective with the first billing cycle that begins after the Merger Closing date, **SBC-13STATE** also hereby eliminates in the **SBC-13STATE** Service Area, on a going-forward basis, any flat-rate monthly charges for access to standard, non-

electronic order processing facilities that are used for orders of 30 lines or less. This Paragraph does not limit SBC-13STATE's right to charge CLEC for the cost of processing service orders received by electronic or non-electronic means, whether on an electronic or non-electronic basis; to charge CLEC for the cost of providing loop make-up information, or to recover the costs of developing and providing OSS through the pricing of UNEs or resold services, in accordance with applicable federal and state pricing requirements.

## **6. ADVANCED SERVICES OSS DISCOUNTS**

- 6.1 Effective November 11, 2001, this discount is no longer available in SBC-12STATE (Pacific Bell, Nevada Bell, Southwestern Bell, and Ameritech).
- 6.2 SNET will, subject to CLEC's qualification and compliance with the provisions of the FCC Merger Conditions, provide CLEC a discount of 25% from recurring and nonrecurring charges (including 25% from the Surrogate Line Sharing Charges, if applicable) that otherwise would be applicable for unbundled local loops used to provide Advanced Services in the same relevant geographic area under the conditions and for the period of time outlined in the FCC Merger Conditions.
- 6.3 If CLEC does not qualify for the promotional unbundled Local Loop discounts set forth in the FCC Merger Conditions, SNET's provision, if any, and CLEC's payment for unbundled Local Loops shall continue to be governed by the terms currently contained in this Agreement without reference to this Appendix. Unless SNET receives thirty (30) days advance written notice with instructions to terminate loops used to provide Advanced Services or to convert such loops to an available alternative service provided by SNET then upon expiration of discounts for loops used to provide Advanced Services, the loops shall automatically convert to an appropriate SNET product/service offering pursuant to the terms and conditions of the Agreement without reference to this Appendix or, in the absence of terms and conditions in the Agreement, the applicable tariff. Where there are no terms for such offering in the Agreement without reference to this Appendix and there is no applicable tariff, the Parties shall meet within 30 days of a written request to do so to negotiate mutually acceptable rates, terms and conditions that shall apply retroactively. If the Parties are unable to reach agreement within 60 days of the written request to negotiate, any outstanding disputes shall be handled in accordance with the Dispute Resolution procedures in the Agreement.

## **7. PROMOTIONAL DISCOUNTS ON UNBUNDLED LOCAL LOOPS USED FOR RESIDENTIAL SERVICES**

- 7.1 SBC-13STATE will provide CLEC access to unbundled 2-Wire Analog Loop(s) for use by CLEC in providing local service to residential end user customers at the rates and on the terms and conditions set forth in the FCC Merger Conditions for the

period specified therein. Such provision of loops is subject to CLEC's qualification and compliance with the provisions of the FCC Merger Conditions.

- 7.2 If CLEC does not qualify for the promotional unbundled Loop discounts set forth in the FCC Merger Conditions, **SBC-13STATE** 's provision, if any, and CLEC's payment for unbundled Loops shall continue to be governed by Appendix UNE as currently contained in this Agreement without reference to this Appendix. Unless **SBC-13STATE** receives thirty (30) days advance written notice with instructions to terminate the unbundled Local Loop provided with the Promotional Discount or to convert such service to an available alternative service provided by **SBC-13STATE**, then upon expiration of the Promotional Discount for any unbundled Local Loop, the loop shall automatically convert to an appropriate **SBC-13STATE** product/service offering pursuant to the terms and conditions of the Agreement without reference to this Appendix or, in the absence of terms and conditions in the Agreement, the applicable tariff. Where there are no terms for such offering in the Agreement without reference to this Appendix and there is no applicable tariff, the Parties shall meet within 30 days of a written request to do so to negotiate mutually acceptable rates, terms and conditions that shall apply retroactively. If the Parties are unable to reach agreement within 60 days of the written request to negotiate, any outstanding disputes shall be handled in accordance with the Dispute Resolution procedures in the Agreement.

## **8. PROMOTIONAL DISCOUNTS ON RESALE**

- 8.1 **SBC-13STATE** will provide CLEC promotional resale discounts on telecommunications services that **SBC-13STATE** provides at retail to subscribers who are not telecommunications carriers, where such services are resold to residential end user customers at the rates and on the terms and conditions set forth in the FCC Merger Conditions for the period specified therein. Such provision of promotional resale discounts is subject to CLEC's qualification and compliance with the provisions of the FCC Merger Conditions.
- 8.2 If CLEC does not qualify for the promotional resale discounts set forth in the FCC Merger Conditions, **SBC-13STATE** 's provision, if any, and CLEC's payment for promotional resale discounts shall continue to be governed by Appendix Resale as currently contained in the Agreement without reference to this Appendix. Unless SBC receives thirty (30) days advance written notice with instructions to terminate service provided via a Promotional discount on resale or to convert such service to an available alternative service provided by **SBC-13STATE**, then upon expiration of any Promotional discount, the service shall automatically convert to an appropriate **SBC-13STATE** product/service offering pursuant to the terms and conditions of the Agreement or, in the absence of terms and conditions in the Agreement, the applicable tariff. Where there are no terms for such offering in the Agreement without reference to this Appendix and there is no applicable tariff, the Parties shall meet within 30 days of a written request to do so to negotiate mutually acceptable

rates, terms and conditions that shall apply retroactively. If the Parties are unable to reach agreement within 60 days of the written request to negotiate, any outstanding disputes shall be handled in accordance with the Dispute Resolution procedures in the Agreement.

## 9. PROMOTIONAL UNE PLATFORM

- 9.1 **SBC-13STATE** will provide to CLEC, at the rates, terms and conditions and for the period of time contained in the FCC Merger Conditions, promotional end-to-end combinations of UNEs (the “promotional UNE platform”) to enable CLEC to provide residential POTS service and residential Basic Rate Interface ISDN service. The promotional UNE platform may be used to provide exchange access services in combination with these services. For purposes of this Paragraph, the promotional UNE platform is a combination of all network elements used to provide residential POTS service and residential Basic Rate Interface ISDN service and available under FCC Rule 51.319, as in effect on January 24, 1999. When **SBC-13STATE** provides the promotional UNE platform, CLEC will pay a sum equal to the total of the charges (both recurring and nonrecurring) for each individual UNE and cross connect in the existing assembly. Where a new assembly is required, CLEC will pay an additional charge to compensate **SBC-13STATE** for creating such new assembly. The assembly charge will be established pursuant to section 252(d)(1) of the Telecommunications Act by agreement of the parties or by the appropriate state commission. Should CLEC's order require an assembly charge prior to establishment of such charge, **SBC-13STATE** will bill and CLEC will pay after such charge is established. Provision of the promotional UNE platform is subject to CLEC's qualification and compliance with the provisions of the FCC Merger Conditions.
- 9.2 If CLEC does not qualify for the promotional UNE platform set forth in the FCC Merger Conditions, or if the promotional UNE platform is no longer available for any reason, **SBC-13STATE**'s provision and CLEC's payment for the new or embedded base customers' unbundled network elements, cross connects or other items, and combining charges, if any, used in providing the promotional UNE platform shall be governed by the rates, terms, and conditions as currently contained in the Agreement without reference to this Appendix. Should such provisions not be contained in the Agreement without reference to this Appendix, **SBC-13STATE**'s provision and CLEC's payment will be at the price level of an analogous resale service or the applicable tariff. Where there are no terms for an analogous resale service in the Agreement without reference to this Appendix and there is no applicable tariff, the Parties shall meet within 30 days of a written request to do so to negotiate mutually acceptable rates, terms and conditions that shall apply retroactively. If the Parties are unable to reach agreement within 60 days of the written request to negotiate, any outstanding disputes shall be handled in accordance with the Dispute Resolution procedures in the Agreement.
- 9.3 Notwithstanding 9.1 and 9.2 above, **SBC-AMERITECH** shall provide a Promotional UNE Platform which shall consist of a) an Unbundled Local Loop; and



b) Unbundled Local Switching with Interim Shared Transport, both as defined and offered in this Agreement. The Promotional UNE Platform shall consist of the functionality provided by: 1) an Unbundled Local Loop and 2) ULS-IST purchased under the provisions of this Amendment (and not from any other source). If the unbundled Local Loop offering or the ULS-IST offering in this Amendment changes, the Promotional UNE Platform will automatically change to the same extent.

9.3.1 **SBC-AMERITECH** will provide The Promotional UNE Platform in accordance with the terms and conditions as listed on the "Combined Platform Offering" Unbundling Elements Ordering Guide document on **SBC-AMERITECH**'s TCNet.

## **10. LOOP CONDITIONING CHARGES**

10.1 In accordance with paragraph 21 of the FCC Merger Conditions **SBC-13STATE** will provide to CLEC at the rates, terms and conditions and for the period of time contained in the FCC Merger Conditions conditioning services for xDSL loops for purposes of CLEC providing Advanced Services (as that term is defined in the FCC Merger Conditions). Such conditioning services will be provided subject to true up as set out in paragraph 21. CLEC will identify to **SBC-13STATE** the rate to be charged subject to true-up not less than 30 days before ordering xDSL loop conditioning to which said rate will apply. During this interim period and subject to true-up, unbundled loops of less than 12,000 feet (based on theoretical loop length) that could be conditioned to meet the minimum requirements defined in the associated **SBC-13STATE** technical publications through the removal of load coils, bridged taps, and/or voice grade repeaters will be conditioned at no charge. Where **SBC-13STATE** identifies conditioning (with associated conditioning charges) that is necessary for an unbundled loop ordered by CLEC to provide Advanced Services, **SBC-13STATE** will obtain CLEC's authorization to perform, and agreement to pay for, each type of conditioning before proceeding with any conditioning work. Consistent with Paragraph 21 of the FCC's Merger Conditions, in states where rates have been approved for the removal of load coils, bridged taps and/or voice-grade repeaters by the state commission in arbitration, a generic cost proceeding or otherwise, CLEC shall not be entitled to adopt interim conditioning rates under the terms of this Section 10.1.

## **11. ALTERNATE DISPUTE RESOLUTION**

11.1 In addition to the foregoing, upon CLEC's request, the Parties shall adhere to and implement, as applicable, the Alternative Dispute Resolution guidelines and procedures described in the FCC Merger Conditions including Attachment D.

## **12. CONFLICTING CONDITIONS**

12.1 If any of the FCC Merger Conditions in this Appendix and conditions imposed in connection with the merger under state law grant similar rights against **SBC-**

**13STATE**, CLEC shall not have a right to invoke the relevant terms of these FCC Merger Conditions in this Appendix if CLEC has invoked substantially related conditions imposed on the merger under state law in accordance the FCC Merger Conditions.

### **13. SUSPENSION OF CONDITIONS**

- 13.1 If the FCC Merger Conditions are overturned or any of the provisions of the FCC Merger Conditions that are incorporated herein by reference are amended or modified as a result of any order or finding by the FCC, a court of competent jurisdiction or other governmental and/or regulatory authority, any impacted promotional discounts and other provision described in this Appendix shall be automatically and without notice suspended as of the date of such termination or order or finding and shall not apply to any product or service purchased by CLEC or provisioned by **SBC-13STATE** after the date of such termination or order or finding. Thereafter, **SBC-13STATE**'s continued provision and CLEC's payment for any service or item originally ordered or provided under this Appendix shall be governed by the rates, terms, and conditions as currently contained in the Agreement without reference to this Appendix. In the event that the FCC changes, modifies, adds or deletes any of the FCC Merger Conditions set forth herein, the Parties agree that the FCC's final order controls and takes precedence over the FCC Merger Conditions set forth herein.

### **14. UNBUNDLED LOCAL SWITCHING WITH INTERIM SHARED TRANSPORT**

- 14.1 Beginning on October 9, 2000, **SBC-AMERITECH** no longer provides unbundled interim shared transport, but rather provides unbundled shared transport in accordance with Appendix C, paragraph 56 of the Federal Communications Commission's Memorandum Opinion and Order, CC Docket No. 98-141 (FCC 99-279, rel. October 8, 1999). The newer unbundled shared transport offering is available through a UNE Appendix that contains the applicable terms, conditions and rates; Unbundled shared transport is not offered under this Appendix.

### **15. PROMOTIONAL PAYMENT PLAN FOR UNE, RESALE AND BFR PROCESSING FEE WAIVER—OHIO AND ILLINOIS ONLY**

- 15.1 **SBC-AMERITECH** will provide, in the states of Ohio and Illinois, a promotional eighteen (18) month installment payment option to CLECs for the payment of non-recurring charges associated with the purchase of unbundled Network Elements used in the provision of residential services and the resale of services used in the provision of residential services.
- 15.2 **SBC-AMERITECH** will provide, in the states of Ohio and Illinois, a promotional payment plan option to CLECs for the payment of non-recurring charges associated with the purchase of unbundled Network Elements used in the provision of residential services and the resale of services used in the provision of residential

services. The promotion is available on the terms and conditions set forth in the Ameritech – Ohio and Illinois Merger Conditions for the period specified therein. Such provision of the promotional payment plan is subject to CLEC's qualification and compliance with the provisions of the Ameritech – Ohio and Illinois Merger Conditions.

- 15.3 **SBC-AMERITECH** agrees to waive, in the states of Illinois and Ohio, the Bona Fide Request ("BFR") initial processing fee associated with a BFR submitted by a CLEC for service to residential customers under the following condition: the CLEC submitting the BFR must have, for the majority of the BFR requests it has submitted to Ameritech Illinois or Ameritech Ohio, as is appropriate, during the preceding 12 months, completed the BFR process, including the payment of any amounts due. The BFR initial processing fee will be waived for a CLEC's first BFR following the Merger Closing Date and for a CLEC that has not submitted a BFR during the preceding 12 months. This BFR fee waiver will be offered for a period of 3 years following the Merger Closing Date.

**APPENDIX  
ALTERNATE BILLED SERVICE  
“ABS”**

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**BILLING AND SETTLEMENT APPENDIX  
FOR UNBUNDLED NETWORK ELEMENT PLATFORM (“UNE-P”)  
ALTERNATE BILLED SERVICES TRAFFIC**

This Appendix, Alternate Billed Services, sets forth the terms and conditions for Alternate Billed Services Billing and Settlement for Unbundled Network Element Platform (“UNE-P”) Alternate Billed Services Traffic.

**1.0 DEFINITIONS**

- 1.1 **“Adjustments”** means either (1) any dollar amounts that are credited to CLEC’s End-User Customer as defined in Section 9, or (2) any charges or credits to the CLEC’s Account for amounts declared as Unbillable and/or Uncollectible, as defined herein.
- 1.2 **“Alternate Billed Services” (ABS)** means a service that allows end-users to bill calls to accounts that may not be associated with the originating line. There are three types of ABS calls: calling card, collect and third number billed calls.
- 1.3 **“End User”** means a third-party residence or business that subscribes to Telecommunications Services provided at retail by the CLEC. As used herein, the term “End Users” does not include any of the Parties to this Agreement with respect to any item or service obtained under this Agreement.
- 1.4 The term ILEC in this Appendix references the SBC ILECs doing business the regions more particularly described below:
  - 1.4.1 **SBC Communications Inc. (SBC)** means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company d/b/a SBC Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone, L.P. d/b/a Southwestern Bell Telephone Company, and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
  - 1.4.2 **SBC-13STATE** - As used herein, SBC-13STATE means the applicable SBC owned ILEC(s) doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.5 **“Messages”** means the call detail information provided via the DUF (See Section 3.0).

- 1.6 **“Pre-paid Service”** means a program offered by SBC-13STATE’s Public Communications affiliate that will allow CLEC’s End Users to receive collect calls that originate from inmate facilities served by SBC-13STATE’s Public Communications affiliate when Selective Blocking has been imposed. Prepay Service allows the End Users to receive such calls by paying a pre-determined amount into a facility-specific account from which payment for future collect calls from that facility are deducted. Prepaid calls are billed at the same rate as collect calls. When the prepaid account is exhausted, calls are prevented from completing until additional amounts are deposited in the account. Any unused portion of a prepaid account is refunded upon request.
- 1.7 **“Rejects”** means Messages that fail to pass edits in the CLEC’s billing system, including Messages that do not pass due to: (1) the age of the call; (2) missing information; (3) incomplete information, or (4) Automatic Number Identification “ANIs” that do not belong to the CLEC at the time the calls was made. Rejects are considered “Unbillable” as defined herein.
- 1.8 **“Selective Blocking”** means a blocking functionality which selectively blocks calls that originate from certain inmate facilities that are served by SBC-13STATE’s Public Communications affiliate and that are billable to CLEC’s UNE-P End-Users (that is certain inmate – originated collect calls terminating to CLEC’s unbundled switch-port). Traffic originating from these inmate facilities will not complete to UNE-P End-Users, unless such End-Users have set up a pre-paid account, as described herein. SBC-13STATE will identify CLEC’s OCNs and provide programming necessary to restrict inmate originated collect calls, which terminate to SBC-13STATE unbundled local switch ports.
- 1.9 **“Rated ABS Message”** means an ABS message originating from SBC-13STATE that is rated and listed on the DUF.
- 1.10 **“Toll Billing Exception” (TBE)** means a blocking functionality which uses pre-existing Line Information Database “LIDB” that is currently available under the Interconnection Agreement to block CLEC’s retail lines. CLEC orders TBE blocking via the service order process.
- 1.11 **“Unbillable”** means the rated value of an ABS Message that is not billable to CLEC’s End-User because of missing information in the billing record or other billing error (not the result of an error by CLEC) that is returned to SBC-13STATE by means of the DUF.
- 1.12 **“Uncollectible”** means: an ABS Message for which charges are billed by CLEC to CLEC’s end-user’s telephone number and cannot be collected by CLEC from its End-User, despite CLEC’s collection efforts.

## 2.0 RESPONSIBILITY FOR INCOLLECT CALLS

2.1 CLEC may select one of the three options set forth below, by placing its initials in the space provided:

### 2.2 **Option 1: CLEC Blocking of ABS Traffic**

CLEC is not responsible for charges for ABS traffic that is originated on **SBC-13STATE**'s network; provided, however, that CLEC must request full Toll Billing Exception (TBE) Blocking for all of its UNE-P End Users. In addition, **SBC-13STATE** will selectively block calls which originate from certain inmate facilities that are served by **SBC-13STATE**'s Public Communications unit that are billable to CLEC's UNE-P End-Users. Traffic originating from these inmate facilities will not complete to CLEC's UNE-P End-Users, unless such End-Users have set up a pre-paid service. **SBC-13STATE** will identify CLEC's OCNs and provide the programming necessary to restrict inmate originated collect calls, which terminate to **SBC-13STATE** unbundled local switch ports. CLEC will be responsible for one hundred percent (100%) and all applicable charges as discussed herein of any and all ABS charges passed through **SBC-13STATE** by a Third Party LEC to CLEC that are included in a DUF transmission.

2.2.1 CLEC shall block its End-User Customer access to ABS messages by requesting full Toll Billing Exception (TBE) blocking when it submits its order for ULS.

2.2.2 CLEC shall be responsible for paying all Charges arising out of CLEC's failure to order blocking for UNE-P lines and as such ABS calls will not be adjusted. If the CLEC fails to place TBE on the line **SBC-13STATE** will charge the CLEC a fee of one hundred and fifty dollars (\$150) per day for each CLEC UNE-P End-User that did not have TBE implemented.

#### 2.2.3 **Settlement with CLEC**

2.2.3.1 The amount due **SBC-13STATE** shall be the total of all billable charges, plus appropriate taxes submitted to CLEC, less:

- a. Amounts declared Unbillable or Rejects as provided in Section 8.0 of the Appendix;
- b. Late Payment Charges previously assessed for Unbillables.

2.2.3.2 Upon termination of this Appendix for any reason, all sums due to **SBC-13STATE** hereunder shall be immediately due and payable.

#### 2.2.4 **Unbillables / Rejects**



2.2.4.1 CLEC may submit Unbillable and/or Reject claims to **SBC-13STATE** as provided in Section 7.0.

**2.3 Option 2: CLEC Responsible for ABS Traffic**

\_\_\_\_\_ CLEC is responsible for payment of all charges for ABS Traffic excluding Unbillables and Rejects, as provided in Section 8, and agrees to comply with the remaining terms and conditions in this Appendix. CLEC may submit up to a maximum of thirty-five percent (35%) of **SBC-13STATE**'s rated ABS messages and applicable taxes delivered via the DUF to **SBC-13STATE** as an Uncollectible, for a given bill period. CLEC will be responsible for one hundred percent (100%) of any ABS charges and applicable taxes passed through **SBC-13STATE** by a Third Party LEC that is included in a DUF transmission. **SBC-13STATE** will credit CLEC a Billing and Collection Service (B&CS) fee of \$0.05 per billed message for billing its End Users according to the ABS messages transmitted via the DUF for ABS calls originated on **SBC-13STATE**'s network.

2.3.1 At the CLEC's option, **SBC-13STATE** will selectively block calls which originate from inmate facilities that are served by **SBC-13STATE**'s Public Communications unit that are billable to CLEC's End-Users. Once the CLEC requests Selective Blocking, **SBC-13STATE** will identify CLEC's OCNs and provide the programming necessary to restrict inmate originated collect calls, which terminate to **SBC-13STATE** unbundled local switch ports.

**2.3.2 Settlement with CLEC:**

2.3.2.1 The amount due each billing cycle to **SBC-13STATE** from CLECs who select Option 2, shall be the total of all billable charges, plus appropriate taxes submitted to CLEC less:

- a. All charges due CLEC under Option 2 of this Appendix minus the credit to CLEC of a Billing and Collection Service (B&CS) fee of \$0.05 per billed message for billing its End Users according to the ABS messages transmitted via the DUF for ABS calls originated on **SBC-13STATE**'s network.
- b. Amounts declared Unbillable or Rejects as provided in Section 8.0 of the Appendix;
- c. Late Payment Charges previously assessed to Uncollectibles and/or Unbillables.

2.3.2.2 Under Option 2, **SBC-13STATE** will conduct a running average review, semi-annually, of the CLEC recoured Uncollectibles to determine whether the 35% cap has been achieved by the CLEC. **SBC-13STATE** will adjust the CLEC's account accordingly as a result of the running average review for amounts declared

Uncollectible. SBC-13STATE will work with CLEC to establish running average amount for the first six months after execution of this Appendix.

2.3.2.3 Upon termination of this Appendix for any reason, all sums due to SBC-13STATE hereunder shall be immediately due and payable.

2.3.3 Uncollectibles

2.3.3.1 SBC-13STATE may adjust CLEC's ABS charges for timely and properly returned Uncollectibles, as defined herein. If CLEC has not billed its End-User for ABS charges or has not made collection efforts, a message is not an Uncollectible and CLEC may not return the rated message to SBC-13STATE for adjustment. Prior to CLEC appealing for an adjustment for an Uncollectible, CLEC will make good faith efforts to collect said amounts from its End-User. This excludes adjustments for Unbillables and Rejects, as defined herein.

2.3.3.2 CLEC may submit Uncollectibles to SBC-13STATE no earlier than 30 days, but no later than 180 days, from the date that the message was originally sent to CLEC by means of the DUF.

2.3.3.3 CLEC must return Uncollectibles to SBC-13STATE by means of the DUF, using the appropriate EMI Guidelines to receive adjustment.

2.3.3.4 CLEC shall implement Toll Billing Exception (TBE) for any End-User customer that is 60 days in arrears for any ABS calls. CLEC shall implement such TBE within 5-business days of recouring an Uncollectible to SBC-13STATE for adjustment. SBC-13STATE reserves the right to return Uncollectibles to CLEC if TBE was not placed on the End-User customer access line that is in arrears.

2.3.3.5 If the CLEC fails to place TBE on the line SBC-13STATE will charge the CLEC a fee of one hundred and fifty dollars (\$150) per day for each CLEC UNE-P End-User that did not have TBE implemented.

2.3.3.6 In the event that the CLEC wishes to remove TBE from an End User's line, CLEC must present full payment of any previous Uncollectibles on that End User's line to SBC-13STATE prior to SBC-13STATE removing TBE on the End User's line.

2.4 **Option 3: CLEC Purchase of ABS Accounts Receivable**

\_\_\_\_\_ CLEC is responsible for payment of all charges for ABS Traffic, and will remit payment for all charges, excluding Unbillables and Rejects, as provided in

Section 8. At the sole discretion of the CLEC, it may bill its End-User for ABS calls transmitted via the Daily Usage File (DUF). CLEC shall receive an Accounts Receivable Discount, which requires that the CLEC shall purchase seventy percent (70%) of the total amount of **SBC-13STATE**'s originated rated ABS messages and applicable taxes, and 100% of any ABS charges passed through **SBC-13STATE** by Third Party LECs that are included in a DUF transmission, as provided in Section 3.

2.4.1 At the CLEC's option, **SBC-13STATE** will selectively block calls, which originate from inmate facilities that are served by **SBC-13STATE**'s Public Communications unit that are billable to CLEC's End-Users. Once the CLEC requests Selective Blocking, **SBC-13STATE** will identify CLEC's OCNs and provide the programming necessary to restrict inmate originated collect calls, which terminate to **SBC-13STATE** unbundled local switch ports.

2.4.2 Settlement with CLEC

2.4.2.1 The amount due **SBC-13STATE** shall be the total of all billable charges, plus appropriate taxes submitted to CLEC, less:

- a. The Accounts Receivable Discount, as defined within Option 3 above, will be credited one month in arrears to Requesting Carrier's account;
- b. Amounts declared Unbillable or Rejects as provided in Section 8.0 of the Appendix;
- c. Late Payment Charges previously assessed for Unbillables.

2.4.2.2 Upon termination of this Appendix for any reason, all sums due to **SBC-13STATE** hereunder shall be immediately due and payable.

2.4.3 Billing Services

2.4.3.1 **SBC-13STATE** will provide CLEC with formatted records via the DUF for **SBC-13STATEs**' and Third Party LECs' rated messages for ABS calls in accordance with each Provider's requested rate. If CLEC elects to render bills to CLEC's Customers; it must do so in accordance with standard billing processes. If CLEC elects to bill its End-Users for ABS calls, it shall bill all calls within thirty (30) days of receiving the DUF.

2.4.3.2 CLEC must comply with all federal and state requirements applicable to the provision of the Billing Services if it elects to bill its End-Users for ABS calls.

### **3.0 DAILY USAGE EXTRACT FILE: Applies to all Options**

- 3.1 Daily Usage Extract is a process whereby CLEC can receive usage sensitive records (Daily Usage Extract file, “DUF”) in the industry standard format, currently Exchange Message Interface (EMI). The EMI format is established by the Ordering and Billing Forum (OBF), an industry body, sponsored by the Alliance for Telecommunications Solutions (ATIS), that is charged with creating voluntary guidelines for the exchange of information among Telecommunications Carriers. Although **SBC-13STATE** follows the OBF guidelines in respect to packaging and transmitting messages, regional differences may exist which are documented in the Daily Usage Extract user guide, available on **SBC-13STATE**’s CLEC web site.
- 3.2 In addition to any other records required to be transmitted in the DUF under the CLEC’s Interconnection Agreement **SBC-13STATE** shall transmit **SBC-13STATE**’s and Third Party LECs’ rated messages for ABS calls to CLEC on the DUF. The **SBC-13STATE** originated messages will be rated by **SBC-13STATE** and provided on the DUF. Third Party LEC’s messages will be transmitted to CLEC as passed to **SBC-13STATE** from the Third Party LEC. Any disputes that the CLEC has with the Third Party LEC rates must be addressed directly by the CLEC with the Third Party LEC.
- 3.3 CLEC and **SBC-13STATE** have stipulated that a per message charge for **SBC-13STATE**’s transmission of ABS messages via the DUF to CLEC is applicable and **SBC-13STATE** will bill CLEC for the transmission Charge as outlined in the state specific Interconnection Agreement.
- 3.4 Notwithstanding the foregoing, CLEC shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by **SBC-13STATE** to CLEC within six (6) months of the date such usage was incurred.
- 3.5 CLEC shall notify **SBC-13STATE**’s Information Systems “IS” Call Center within twenty-four (24) hours if a problem occurs with transmission of the Daily Usage Extract file.

### **4.0 BILLING AND COLLECTION SERVICES (B&CS): Applies to Options 1 &2 Only**

#### **4.1 Billing Services**

- 4.1.1 CLEC will provide Billing and Collection Services (B&CS) to **SBC-13STATE** for the ABS calls described in this Appendix and for additional Alternate Billing Services that may be developed during the term of this Appendix.
- 4.1.2 **SBC-13STATE** will provide CLEC with formatted records via the DUF for **SBC-13STATE**’s and Third Party LECs’ rated messages for ABS calls in accordance with each Provider’s requested rate. CLEC will render bills to CLEC’s Customers in accordance with standard billing processes. CLEC

must bill for all ABS calls contained on the formatted DUF records. CLEC shall bill all calls within thirty (30) days of receiving the applicable DUF.

- 4.1.3 CLEC must comply with all federal and state requirements applicable to the provision of the Billing Services.

#### 4.2 Collection Services

These Collection Services consist of:

- Collecting payments remitted by CLEC's End-User Customers for Alternate Billing Services calls;
- Adjusting End User's bills as set forth in Section 7.0 of this Appendix;
- Responding to Customer complaints, inquiries and disputes;
- Remitting net proceeds to **SBC-13STATE**;
- Undertaking preliminary collection activity for delinquent accounts which may include but is not limited to referring account to outside collection agency, applying Selective or TBE blocking, or payment plan.

### 5.0 **CHANGES TO PROVIDER'S SERVICES AND RATES**

- 5.1 At its option, the CLEC may pass through discretionary charge(s) their End-User's, as a mechanism for cost recovery, when choosing to bill its End-User Customer.

### 6.0 **CUSTOMER COMPLAINTS AND INQUIRIES**

- 6.1 CLEC is responsible for facilitating all End User complaints, inquiries and disputes associated with ABS calls. **SBC-13STATE** will work cooperatively with CLEC to address the CLEC's End User's concerns.

### 7.0 **ADJUSTMENTS TO CLEC'S END-USER'S ACCOUNT**

- 7.1 The CLEC has the option to remove a disputed Uncollectible charge from their End User's account no earlier than thirty (30) days from the date that the message was originally sent to CLEC by means of the DUF.

### 8.0 **UNBILLABLES / REJECTS**

- 8.1 **SBC-13STATE** may adjust CLEC's ABS charges for timely and properly returned Unbillables and Rejects as defined herein.
- 8.2 CLEC may submit Unbillable and/or Reject claims to **SBC-13STATE** no later than 60 days from the date the message was originally sent to CLEC through the DUF.
- 8.3 CLEC must return Unbillable and/or Reject claims to **SBC-13STATE** by means of the DUF, using the appropriate EMI Guidelines.

- 8.4 Upon receipt of returned Unbillable and/or Reject, SBC-13STATE will first attempt to correct the message and re-send it to CLEC for End-User billing. If the record cannot be corrected, SBC-13STATE will process appropriate credits to CLEC's account.
- 8.5 In the rare event that duplicate records are received by the CLEC, a separate adjustment procedure will be necessary. A CLEC may notify SBC-13STATE of duplicate records by submitting an e-mail message to [pccdissue@SBC.com](mailto:pccdissue@SBC.com).

## 9.0 TAXES

- 9.1 Taxes Imposed on Services Performed by Reseller. CLEC shall be responsible for payment of all sales, use or other taxes of a similar nature, including interest and penalties, imposed on CLEC's performance of Billing Services and Collection Services under this Appendix.
- 9.2 Taxes on Alternate Billed Services CLEC shall be responsible for applying taxes as determined by Provider for all ABS messages billed hereunder as specified in Exhibit E. Each Provider shall be responsible for determining what taxes apply to the service it provides and for notifying SBC-13STATE of those taxes. SBC-13STATE shall notify CLEC of this information and pursuant to this Appendix CLEC shall bill and collect such taxes based on information supplied by Provider and shall remit such taxes to SBC-13STATE. CLEC shall identify the amount of taxes and type of taxes, by Provider. SBC-13STATE shall then remit such collected taxes to the Provider.

## 10.0 BLOCKING

- 10.1 CLEC shall comply with all federal and state requirements to block End User access to ABS calls upon End User's request. CLEC shall also block End User access to ABS calls upon SBC-13STATE's request, as set forth in the Guidelines in this Appendix.
- 10.2 CLEC shall agree to cooperate with SBC-13STATE to investigate, minimize, and take corrective action in cases of fraud. CLEC shall also block its End-User access to ABS calls upon SBC-13STATE's request in the case of fraud.
- 10.3 In connection with the selective blocking and TBE option, SBC-13STATE is unable to guarantee that its methodology will block 100% of the collect/third party calls. CLEC is responsible for any ABS charges that may occur due to CLEC's End User's acceptance of Collect/Third Party calls.
- 10.4 Not all facilities have the necessary equipment or capacity to implement Selective Blocking. For Facilities not capable or without capacity to implement Selective Blocking, Toll Billing Exception (TBE) is an available alternative for the CLEC.

- 10.5 CLEC will not be charged for Selective Blocking for the remainder of 2002. SBC-13STATE will provide CLEC with 60-day notice from when recurring charges will commence, allowing it to remove Selective Blocking accordingly. The parties will negotiate the Selective Blocking rate. If the parties are unable to reach Appendix on the Selective Blocking Rate they will initiate the Dispute Resolution Process contained in the Underlying Interconnection Agreement.
- 10.6 SBC-13STATE reserves the right to withdraw the Selective Blocking Option at any time, with 30- days' notice.
- 10.7 Certain calling patterns by CLEC's End-Users accepting ABS calls may trigger fraud alerts that may require Toll Billing Exception (TBE) in place of or in addition to Selective Blocking.

## 11.0 AUDIT RIGHTS

- 11.1 A Party (the "**Auditing Party**") may audit the other Party's (the "**Audited Party**") books, records, data and other documents, as provided herein, once annually, with the audit period commencing not earlier than the date on which services were first supplied under this Appendix ("**service start date**") for the purpose of evaluating (i) the accuracy of Audited Party's billing and invoicing of the services provided hereunder and (ii) verification of compliance with any provision of this Appendix that affects the accuracy of Auditing Party's billing and invoicing of the services provided to Audited Party hereunder. Notwithstanding the foregoing, an Auditing Party may audit the Audited Party's books, records and documents more than once annually if the previous audit found (i) previously uncorrected net variances or errors in invoices in Audited Party's favor with an aggregate value of at least five percent (5%) of the amounts payable by Auditing Party for audited services provided during the period covered by the audit or (ii) non-compliance by Audited Party with any provision of this Appendix affecting Auditing Party's billing and invoicing of the services provided to Audited Party with an aggregate value of at least five percent (5%) of the amounts payable by Audited Party for audited services provided during the period covered by the audit.
- 11.2 The scope of the audit shall be limited to the period which is the shorter of (i) the period subsequent to the last day of the period covered by the audit which was last performed (or if no audit has been performed, the service start date and (ii) the twelve (12) month period immediately preceding the date the Audited Party received notice of such requested audit, but in any event not prior to the service start date. Such audit shall begin no fewer than thirty (30) calendar days after Audited Party receives a written notice requesting an audit and shall be completed no later than thirty (30) calendar days after the start of such audit.
- 11.3 Such audit shall be conducted either by the Auditing Party's employee(s) or an independent auditor acceptable to both Parties; provided, however, if the Audited Party requests that an independent auditor be engaged and the Auditing Party agrees, the Audited Party shall pay one-quarter (1/4) of the independent auditor's fees and

expenses. If an independent auditor is to be engaged, the Parties shall select an auditor by the thirtieth day following Audited Party's receipt of a written audit notice. Auditing Party shall cause the independent auditor to execute a nondisclosure Agreement in a form agreed upon by the Parties.

- 11.4 Each audit shall be conducted on the premises of the Audited Party during normal business hours. Audited Party shall cooperate fully in any such audit and shall provide the auditor reasonable access to any and all appropriate Audited Party employees and any books, records and other documents reasonably necessary to assess (i) the accuracy of Audited Party's bills and (ii) Audited Party's compliance with the provisions of this Appendix that affect the accuracy of Auditing Party's billing and invoicing of the services provided to Audited Party hereunder. Audited Party may redact from the books, records and other documents provided to the auditor any Audited Party Proprietary Information that reveals the identity of End Users of Audited Party.
- 11.5 Each Party shall maintain reports, records and data relevant to the billing of any services that are the subject matter of this Appendix for a period of not less than twenty-four (24) months after creation thereof, unless a longer period is required by Applicable Law.
- 11.6 If any audit confirms any undercharge or overcharge, then Audited Party shall (i) promptly correct any billing error, including making refund of any overpayment by Auditing Party in the form of a credit on the invoice for the first full billing cycle after the Parties have agreed upon the accuracy of the audit results and (ii) for any undercharge caused by the actions of the Audited Party, immediately compensate Auditing Party for such undercharge, and (iii) in each case, calculate and pay interest amounts from the Bill Due Date at the lesser of (i) one and one-half percent (1 ½%) per month and (ii) the highest rate of interest that may be charged under Applicable Law, compounded daily from the day following the Bill Due Date to and including the date that the payment is actually made and available, for the number of calendar days from the date on which such undercharge or overcharge originated until the date on which such credit is issued or payment is made and available.
- 11.7 Except as may be otherwise provided in this Appendix, audits shall be performed at Auditing Party's expense, subject to reimbursement by Audited Party of one-quarter (1/4) of any independent auditor's fees and expenses in the event that an audit finds, and the Parties subsequently verify, a net adjustment in the charges paid or payable by Auditing Party hereunder by an amount that is, on an annualized basis, greater than five percent (5%) of the aggregate charges for the audited services during the period covered by the audit.
- 11.8 Any disputes concerning audit results shall be referred to the Parties' respective personnel responsible for informal resolution. If these individuals cannot resolve the dispute within thirty (30) calendar days of the referral, either Party may request in writing that an additional audit shall be conducted by an independent auditor



acceptable to both Parties, subject to the requirements set out in Section 3.3. Any additional audit shall be at the requesting Party's expense.

## **12.0 APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

- 12.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions; interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of Agreement; amendments and modifications; and entire Agreement.

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## **APPENDIX ITR**

### **(Interconnection Trunking Requirements)**

#### **1. INTRODUCTION**

- 1.1 This Appendix sets forth terms and conditions for Interconnection provided by the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) and CLEC.
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a/ SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone, L.P. d/b/a Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.3 As used herein, **SBC-13STATE** means the applicable above listed ILECs doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.4 This Appendix provides descriptions of the trunking requirements between CLEC and **SBC-13STATE**. All references to incoming and outgoing trunk groups are from the perspective of CLEC. The paragraphs below describe the required and optional trunk groups for local, IntraLATA toll, InterLATA “meet point”, mass calling, E911, Operator Services and Directory Assistance traffic.
- 1.5 Local trunk groups may only be used to transport traffic between the parties End Users.
- 1.6 Transit traffic is originated by or terminated to the CLEC End User from or to other networks and not to **SBC-13STATE** End Users.
- 1.7 **SWBT** - As used herein, **SWBT** means the applicable above listed ILEC(s) doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.
- 1.8 **AMERITECH** - As used herein, **AMERITECH** means the applicable above listed ILEC(s) doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 1.9 **SBC-12STATE** - As used herein, **SBC-12STATE** means the applicable SBC owned ILEC(s) doing business in Arkansas, California, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.

- 1.10 **PACIFIC** - As used herein, **PACIFIC** means the applicable above listed ILEC doing business in California.
- 1.11 **NEVADA** - As used herein, **NEVADA** means the applicable above listed ILEC doing business in Nevada.
- 1.12 **SNET** - As used herein, **SNET** means the applicable above listed ILEC doing business in Connecticut.

## 2. DEFINITION

- 2.1 “Network Interconnection Methods” (NIM) designates facilities established between the Parties Networks.

## 3. ONE-WAY AND TWO-WAY TRUNK GROUPS

- 3.1 CLEC shall issue Access Service Request (ASR) for two-way trunk groups. CLEC shall issue ASR's for one-way trunk groups, originating at the CLEC switch. **SBC-13STATE** shall issue ASR's for one-way trunk groups, originating at the **SBC-13STATE** switch. Exceptions to this are noted below:
  - 3.1.1 CLEC shall issue ASR's for one-way Meet Point Trunk Groups (MPTGs) in **SBC-13STATE**.
  - 3.1.2 CLEC shall issue ASR's for one-way Busy Line Verification/Emergency Interrupt trunk group.
  - 3.1.3 CLEC shall issue ASR's for one-way High Volume Call In trunk group as described in section 5.7.3.
  - 3.1.3 CLEC shall issue ASR's for one-way Connecticut Transit Traffic Service trunk group in **SNET**.
- 3.2 One-way trunk groups for ancillary services (e.g. OS/DA, BLVI, mass calling, Meet Point, 911 and in SNET, Connecticut Transit Traffic trunk group) can be established between a CLEC switch and an **SBC-13STATE** Tandem as further provided in this Appendix ITR. CLEC is financially responsible for the transport facility cost as described in Appendix NIM section 2.6. These trunk groups will utilize Signaling System 7 (SS7) or multi-frequency (MF) signaling protocol, with SS7 signaling preferred whenever possible.
- 3.3 Two-way trunk groups for local, IntraLATA and InterLATA traffic can be established between a CLEC switch and an **SBC-13STATE** Tandem or End Office switch. This trunk group will utilize Signaling System 7 (SS7) or multi-frequency (MF) signaling protocol, with SS7 signaling preferred whenever possible. For administrative consistency CLEC will have control for the purpose of issuing Access Service Requests (ASRs) on two-way groups. **SBC-13STATE** will use the Trunk Group Service Request (TGSR), as described in section 8.0 of this Appendix, to request changes in trunking. Both Parties reserve the right to issue ASRs, if so required, in the normal course of business.

- 3.3 The Parties agree that two-way trunking shall be established when possible and appropriate for a given trunk group. However, in **AMERITECH** and **SNET**, certain technical and billing issues may necessitate the use of one-way trunking for an interim period. The Parties will negotiate the appropriate trunk configuration, whether one-way or two-way to accommodate the present billing and technical limitations.
- 3.4 The Parties agree to exchange traffic data on two-way trunks and to implement such an exchange within three (3) months of the date that two-way trunking is established and the trunk groups begin passing live traffic, or another date as agreed to by the Parties. Exchange of traffic data will permit each company to have knowledge of the offered and overflow load at each end of the two-way trunk group, and thereby enable accurate and independent determination of performance levels and trunk requirements. The Parties agree to the electronic exchange of data as described in section 9.
- 3.5 The Parties recognize that embedded one-way trunks may exist for Local/IntraLATA toll traffic via end-point meet Interconnection architecture. The Parties may agree to negotiate a transition plan to migrate the embedded one-way trunks to two-way trunks via any Interconnection method as described in Appendix NIM. The Parties will coordinate any such migration, trunk group prioritization, and implementation schedule. **SBC-13STATE** agrees to develop a cutover plan and project manage the cutovers with CLEC participation and agreement.

#### 4. TANDEM TRUNKING AND DIRECT END OFFICE TRUNKING

- 4.1 **SBC-13STATE** deploys in its network Tandems that switch local only traffic (local Tandem **SWBT** only), Tandems that switch only local and IntraLATA traffic (local/IntraLATA Tandem **SWBT** only), Tandems that switch IntraLATA and InterLATA traffic (Access Tandem) and Tandems that switch both local and IntraLATA/InterLATA traffic (local/Access Tandem). In addition **SBC-13STATE** deploys Tandems that switch ancillary traffic such as 911 (911 Tandem), Operator Services/ Directory Assistance (OS/DA Tandem), and mass calling (choke Tandem). Traffic on Tandem trunks does not terminate at the Tandem but is switched to other trunks that terminate the traffic in End Offices and ultimately to End Users.
- 4.2 When Tandem trunks are deployed, CLEC shall connect to all tandems in the LATA in **SNET**, **PACIFIC**, **NEVADA** and **AMERITECH** and to all Tandems in the local exchange area in **SWBT**. CLEC shall route appropriate traffic (i.e. only traffic to End Offices that subtend that Tandem) to the respective **SBC-13STATE** Tandems on the trunk groups defined below. **SBC-13STATE** shall route appropriate traffic to CLEC switches on the trunk groups defined below.
- 4.2.1 "Transit Traffic" is local and intraLATA toll traffic originated by or terminates to CLEC's End Users from another Local Exchange Carrier,

CLEC or wireless carrier's End User that transit a **SBC-13STATE** Tandem. Transit Traffic does not terminate to **SBC-13STATE's** End Users.

- 4.2.2 When transit traffic through the **SBC-13STATE** Tandem from CLEC to another Local Exchange Carrier, CLEC or wireless carrier requires 24 or more trunks, CLEC shall establish a direct trunk group between itself and the other Local Exchange Carrier, CLEC or wireless carrier. CLEC shall route Transit Traffic via **SBC-13STATE's** Tandem switches, and not at or through any **SBC-13STATE** End Offices. By establishing this trunk group, CLEC agrees to cease routing transit traffic through the **SBC-13STATE** Tandem to the third party terminating carrier. This trunk group will be serviced in accordance with the Trunk Design Blocking Criteria in Section 7.0.
- 4.2.3 **SNET** will make its Connecticut Transit Traffic Service available to CLEC for the purpose of completing CLEC Transit Traffic calls as defined in Section 4.2.1 at the rates and upon the terms and conditions set forth in Appendix Pricing and the applicable CT Access Service Tariff respectively. In doing so, **SNET** will compensate the terminating carrier for applicable local compensation or intraLATA access compensation.
- 4.3 While the Parties agree that it is the responsibility of the CLEC to enter into arrangements with each third party carrier (ILECs, IXC's, Wireless Carriers or other CLECs) to deliver or receive transit traffic, **SBC-13STATE** acknowledges that such arrangements may not currently be in place and an interim arrangement will facilitate traffic completion on an temporary basis. Accordingly, until the earlier of (I) the date on which either Party has entered into an arrangement with third-party carrier to exchange transit traffic to CLEC and (II) the date transit traffic volumes exchanged by the CLEC and third-party carrier exceed the volumes specified in Section 4.2.2, **SBC-13STATE** will provide CLEC with transit service. CLEC agrees to use reasonable efforts to enter into agreements with third-party carriers as soon as possible after the Effective Date.
- 4.3.1 Once the CLEC is notified that there is more than a DS1's worth of traffic to any 3<sup>rd</sup> party, then the CLEC will invoke an interconnection arrangement with the 3<sup>rd</sup> party of concern within 60 calendar days.
- 4.3.2 If CLEC does not establish direct trunk groups as described above, **SBC-13STATE** reserves the right to cease delivery of such traffic.
- 4.4 Direct End Office trunks terminate traffic from a CLEC switch to an **SBC-13STATE** End Office and are not switched at a Tandem location. The Parties shall establish a two-way Direct End Office trunk group when actual or projected End Office traffic requires twenty-four (24) or more trunks or when no local or local/Access Tandem is present in the local exchange area. Overflow from either end of the Direct End Office trunk group will be alternate routed to the appropriate Tandem. Local traffic

will only be alternately routed if the local exchange area is served by a local or local/Access Tandem.

4.4.1 Direct End Office trunks terminate local and intralata toll traffic from a CLEC switch to an SBC-13STATE End Office. This traffic is not switched at a Tandem location. DEOT's terminate Local IntraLata traffic from CLEC Switch to SBC 13-STATE End Office's.

4.4.2 The Parties will exert commercially reasonable efforts to achieve and maintain a network architecture within a Tandem serving area such that the DEOT does not fall below 80% of the total number of trunks the CLEC has in service in the Tandem serving areas for two consecutive months. This should be achieved within 6 months of new interconnection in a Tandem serving area or within 3 months for existing interconnections. To determine the 80% DEOT to Tandem trunks threshold, the total number of DEOTs will be divided by the total number of trunks CLEC has in use in the Tandem serving area that CLEC into which has interconnection.

4.5 All traffic received by SBC-13STATE on the direct End Office trunk group from CLEC must terminate in the End Office, i.e. no Tandem switching will be performed in the End Office. Where End Office functionality is provided in a remote End Office of a host/remote configuration, the Interconnection for that remote End Office is only available at the host switch. The number of digits to be received by the SBC-13STATE End Office shall be mutually agreed upon by the Parties. This trunk group shall be two-way.

#### 4.6 Trunk Configuration

4.6.1 Trunk Configuration – SWBT, AMERITECH and SNET

4.6.1.1 Where available and upon the request of the other Party, each Party shall cooperate to ensure that its trunk groups are configured utilizing the Bipolar 8 Zero Substitution Extended Super Frame (B8ZS ESF) protocol for 64 kbps Clear Channel Capability (64CCC) transmission to allow for ISDN interoperability between the Parties' respective networks. Trunk groups configured for 64CCC and carrying Circuit Switched Data (CSD) ISDN calls shall carry the appropriate Trunk Type Modifier in the CLCI-Message code. Trunk groups configured for 64CCC and not used to carry CSD ISDN calls shall carry a different appropriate Trunk Type Modifier in the CLCI-Message code.

4.6.1.2 The Lucent 1AESS switch is incapable of handling 64CCC traffic. Therefore, all trunk groups established to the 1AESS switches must use Alternate Mark Inversion (AMI).



4.6.2 Trunk Configuration – **PACIFIC** and **NEVADA**

- 4.6.2.1 When Interconnecting at **PACIFIC/NEVADA**'s digital End Offices, the Parties have a preference for use of Bipolar 8 Zero Substitution Extended Super Frame (B8ZS ESF) two-way trunks for all traffic between their networks. Where available, such trunk equipment will be used for Local Interconnection trunk groups. Where AMI trunks are used, either Party may request upgrade to B8ZS ESF when such equipment is available.
- 4.6.2.2 When Interconnecting at **PACIFIC**'s DMS Tandem(s), 64CCC data and voice traffic may be combined on the same B8ZF ESF facilities and 2-way trunk group. 64CCC data and voice traffic must be separate and not combined at **PACIFIC**'s 4E Tandems. A CLEC establishing new trunk groups to carry combined voice and data traffic from **PACIFIC**'s DMS Tandems may do so where facilities and equipment exist. Where separate voice and data Interconnection trunking already exists CLEC may transition to combined voice and data trunking as a major project, subject to rules, timelines and guidelines set forth in the CLEC handbook, which is not incorporated herein refer to the appropriate ILEC's website. In all cases, CLEC will be required to disconnect existing voice-only trunk groups as existing 64CCC trunk groups are augmented to carry both voice and data traffic. For both the combined and the segregated voice and data trunk groups, where additional equipment is required, such equipment will be obtained, engineered, and installed on the same basis and with the same intervals as any similar growth job which **PACIFIC** does for IXC's, CLEC's, or itself for 64CCC trunks.

5. **TRUNK GROUPS**

- 5.1 The following trunk groups shall be used to exchange various types of traffic between CLEC and **SBC-13STATE**.
- 5.2 Local & IntraLATA Interconnection Trunk Group(s) in Each Local Exchange Area: **SWBT**.
- 5.2.1 A two-way local trunk group shall be established between CLEC switch and each **SWBT** local Tandem in the local exchange area. Inter-Tandem switching is not provided.
- 5.2.2 A two-way local/IntraLATA trunk group shall be established between CLEC switch and each **SWBT** local/IntraLATA Tandem in the local exchange area. Inter-Tandem switching is not provided.

- 5.2.3 SWBT reserves the right to initiate a one-way IntraLATA trunk group to CLEC in order to provide Tandem relief when a community of interest is outside the local exchange area in which the CLEC is Interconnected.
- 5.2.4 Where traffic from CLEC switch to SWBT End Office is sufficient, 24 or more trunks, a local or local/IntraLATA trunk group shall also be established to the SWBT End Office as described in Sections 4.4 and 4.5.
- 5.2.5 A local or local/IntraLATA trunk group shall be established from CLEC switch to each SWBT End Office in a local exchange area that has no local Tandem.
- 5.2.6 Each Party shall deliver to the other Party over the Local Trunk Group(s) only such traffic that originates and terminates in the local exchange area.
- 5.2.7 When SWBT has a separate local Tandem and Access Tandem in the local exchange area, a two-way IntraLATA toll trunk group shall be established to the SWBT Access Tandem, in addition a two-way local trunk group shall be established from the CLEC switch to the SWBT local Tandem(s).
- 5.2.8 When SWBT has a combined local/Access Tandem in a local exchange area, local and IntraLATA toll traffic shall be combined on a two-way local/IntraLATA trunk group.
- 5.2.9 When SWBT has more than one combined local/Access Tandem in a local exchange area, local and IntraLATA toll traffic shall be combined on a two-way local/IntraLATA trunk group to each SWBT Tandem.
- 5.3 Local and IntraLATA Interconnection Trunk Group(s) in Each LATA: AMERITECH, SNET, PACIFIC, and NEVADA
  - 5.3.1 Tandem Trunking - Single Tandem LATAs
    - 5.3.1.1 Where PACIFIC, NEVADA, or AMERITECH has a single Access Tandem in a LATA, IntraLATA Toll and Local traffic shall be combined on a single Local Interconnection Trunk group for calls destined to or from all End Offices that subtend the Tandem. This trunk group shall be two-way and will utilize Signaling System 7 (SS7) signaling.
  - 5.3.2 Tandem Trunking – Multiple Tandem LATAs
    - 5.3.2.1 Where PACIFIC, NEVADA, SNET or AMERITECH has more than one Access Tandem and/or local/IntraLATA Tandem in a LATA, IntraLATA Toll and Local traffic shall be combined on a

single Local Interconnection Trunk Group at every **PACIFIC, NEVADA, SNET** or **AMERITECH** Tandem for calls destined to or from all End Offices that subtend each Tandem. These trunk groups shall be two-way and will utilize Signaling System 7 (SS7) signaling.

5.3.3 **Direct End Office Trunking**

5.3.3.1 The Parties shall establish direct End Office primary high usage Local Interconnection trunk groups for the exchange of IntraLATA Toll and Local traffic where actual or projected traffic demand is or will be twenty four (24) or more trunks, as described in Sections 4.4 and 4.5.

5.4 **Meet Point Trunk Group: SBC-13STATE**

5.4.1 IXC traffic shall be transported between CLEC switch and the **SBC-13STATE** Access or combined local/Access Tandem over a Meet Point Trunk Group separate from local and IntraLATA toll traffic. The Meet Point Trunk Group will be established for the transmission and routing of exchange access traffic between CLEC's End Users and inter exchange carriers via a **SBC-13STATE** Access Tandem.

5.4.2 Meet Point Trunk Groups shall be set up as two-way and will utilize SS7 signaling, except multifrequency ("MF") signaling will be used on a separate Meet Point Trunk Group to complete originating calls to switched access customers that use MF FGD signaling protocol. CLEC is financially responsible for the transport facility cost as described in Appendix NIM section 2.6.

5.4.3 When **SBC-13STATE** has more than one Access Tandem in a local exchange area or LATA, CLEC shall establish a Meet Point Trunk Group to each **SBC-13STATE** Access Tandem where the CLEC has homed its NXX code(s). If the Access Tandems are in two different states, CLEC shall establish a Meet Point Trunk Group with one Access Tandem in each state.

5.4.4 In **SBC-13STATE** where there is more than one Access Tandem in a LATA, and the CLEC had previously established a Meet Point Trunk Group to a **SBC-13STATE** Access Tandem, or a constrained Access Tandem condition exist, the Parties agree to develop a mutually acceptable plan to establish a Meet Point Trunk Group to each **SBC-13STATE** Access Tandem where the CLEC has homed its NXX code(s).

5.4.5 FOR **PACIFIC** ONLY: CLEC will home new codes serving a particular community on the Tandem serving that community, as defined in SCHEDULE CAL.P.U.C. NO. 175—T, Section 6.7.3, Tandem Access

Sectorization (TAS). CLEC is not required, however, to home codes by the sector designations. CLEC also agrees to locate at least one Local Routing Number (LRN) per home Tandem if CLEC ports any telephone numbers to its network from a community currently homing on that Tandem.

5.4.6 **SBC-13STATE**: For each NXX code used by either Party, the Party that owns the NXX must maintain network facilities (whether owned or leased) used to actively provide, in part, local Telecommunications Service in the geographic area assigned to such NXX code. If either Party uses its NXX Code to provide foreign exchange service to its customers outside of the geographic area assigned to such code, that Party shall be solely responsible to transport traffic between its foreign exchange service customer and such code's geographic area.

5.4.7 **SBC-13STATE** will not block switched access customer traffic delivered to any **SBC-13STATE** Tandem for completion on CLEC's network. The Parties understand and agree that Meet Point trunking arrangements are available and functional only to/from switched access customers who directly connect with any **SBC-13STATE** Access Tandem that CLEC switch subtends in each LATA. In no event will **SBC-13STATE** be required to route such traffic through more than one Tandem for connection to/from switched access customers. **SBC-13STATE** shall have no responsibility to ensure that any switched access customer will accept traffic that CLEC directs to the switched access customer.

5.4.8 CLEC shall provide all SS7 signaling information including, without limitation, charge number and originating line information ("OLI"). For terminating FGD, **SBC-13STATE** will pass all SS7 signaling information including, without limitation, CPN if it receives CPN from FGD carriers. All privacy indicators will be honored. Where available, network signaling information such as transit network selection ("TNS") parameter, carrier identification codes ("CIC") (CCS platform) and CIC/OZZ information (non-SS7 environment) will be provided by CLEC wherever such information is needed for call routing or billing. The Parties will follow all OBF adopted standards pertaining to TNS and CIC/OZZ codes.

5.5 **800/(8YY) Traffic: SBC-13STATE**

5.5.1 If CLEC chooses **SBC-13STATE** to handle 800/(8YY) database queries from its switches, all CLEC originating 800/(8YY) traffic will be routed over the InterLATA meet point trunk group. This traffic will include a combination of both Interexchange Carrier (IXC), 800/(8YY) service and CLEC 800/(8YY) service that will be identified and segregated by carrier through the database query handled through the **SBC-13STATE** Tandem switch.

- 5.5.2 All originating Toll Free Service (800/8YY) calls for which CLEC requests that **SBC-13STATE** perform the Service Switching Point (“SSP”) function (e.g., perform the database query) shall be delivered using GR-394 format over the Meet Point Trunk Group. Carrier Code “0110” and Circuit Code (to be determined for each LATA) shall be used for all such calls.
- 5.5.3 CLEC may handle its own 800/8YY database queries from its switch. If so, CLEC will determine the nature (local/intraLATA/interLATA) of the 800/8YY call based on the response from the database. If the query determines that the call is a local or IntraLATA 800/8YY number, CLEC will route the post-query local or IntraLATA converted ten-digit local number to **SBC-13STATE** over the local or intra-LATA trunk group. In such case, the CLEC is to provide an 800/8YY billing record when appropriate. If the query reveals the call is an InterLATA 800/8YY number, CLEC will route the post-query inter-LATA call (800/8YY number) directly from its switch for carriers Interconnected with its network or over the meet point group to carriers not directly connected to its network but are connected to **SBC-13STATE**’s Access Tandem. Calls will be routed to **SBC-13STATE** over the local/IntraLATA and inter-LATA trunk groups within the LATA in which the calls originate.
- 5.5.4 All post-query Toll Free Service (800/8YY) calls for which CLEC performs the SSP function, if delivered to **SBC-13STATE**, shall be delivered using GR-394 format over the Meet Point Trunk Group for calls destined to IXCs, or shall be delivered by CLEC using GR-317 format over the Local Interconnection trunk group for calls destined to End Offices that directly subtend the Tandem.

5.6 **E911 Trunk Group**

- 5.6.1 A dedicated trunk group for each NPA shall be established to each appropriate E911 switch within the local exchange area or LATA in which the CLEC offers exchange service. The CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group. This trunk group shall be set up as a one-way outgoing only and will utilize MF CAMA signaling or, where available, SS7 signaling. Where the parties utilize SS7 signaling and the E911 network has the technology available, only one E911 trunk group shall be established to handle multiple NPAs within the local exchange area or LATA. If the E911 network does not have the appropriate technology available, a SS7 trunk group shall be established for each NPA in the local exchange area or LATA. CLEC shall provide a minimum of two (2) one-way outgoing channels on E911 trunks dedicated for originating E911 emergency service calls from the Point of Interconnection (POI) to the **SBC-13STATE** E911 switch.

- 5.6.2 In **SNET** only, CLEC will comply with the CT DPUC directives regarding the E911 trunk groups. The current directive requires CLEC to establish three dedicated separate trunk groups for each Connecticut NPA, from its switch to each of the Connecticut E911 tandems. For each NPA, one trunk group using SS7 signaling will go to the Primary E911 tandem. A second trunk group using SS7 will go to the Secondary E911 tandem. The third trunk group will have MF CAMA signaling and will go to the Primary E911 tandem and serve as a backup. These trunk groups shall be set up as a one-way outgoing only by CLEC. CLEC will have administrative control for the purpose of issuing ASRs.
- 5.6.3 CLEC will cooperate with **SBC-13STATE** to promptly test all 9-1-1 trunks and facilities between CLEC network and the **SBC-13STATE** 9-1-1 Tandem to assure proper functioning of 9-1-1 service. CLEC will not turn-up live traffic until successful testing is completed by both Parties.

5.7 **High Volume Call In (HVCI) / Mass Calling (Choke) Trunk Group: SBC-12STATE**

- 5.7.1 A dedicated trunk group shall be required to the designated Public Response HVCI/Mass Calling Network Access Tandem in each serving area. This trunk group shall be one-way outgoing only and shall utilize MF signaling. As the HVCI/Mass Calling trunk group is designed to block all excessive attempts toward HVCI/Mass Calling NXXs, it is necessarily exempt from the one percent blocking standard described elsewhere for other final Local Interconnection trunk groups. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group. The Parties will not exchange live traffic until successful testing is completed by both Parties.

- 5.7.2 This group shall be sized as follows:

<i>Number of Access Lines Served</i>	<i>Number of Mass Calling Trunks</i>
0 – 10,000	2
10,001 – 20,000	3
20,001 – 30,000	4
30,001 – 40,000	5
40,001 – 50,000	6
50,001 – 60,000	7
60,001 – 75,000	8
75,000 +	9 maximum

- 5.7.3 If CLEC should acquire a HVCI/Mass Calling customer, i.e. a radio station, CLEC shall notify **SBC-12STATE** at least 60 days in advance of the need to establish a one-way outgoing SS7 or MF trunk group from the **SBC-12STATE** HVCI/Mass Calling Serving Office to the CLEC customer's

serving office. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.

5.7.4 If CLEC finds it necessary to issue a new choke telephone number to a new or existing HVCI/Mass Calling customer, the CLEC may request a meeting to coordinate with **SBC-12STATE** the assignment of HVCI/Mass Calling telephone number from the existing choke NXX. In the event that the CLEC establishes a new choke NXX, CLEC must notify **SBC-12STATE** a minimum of ninety (90) days prior to deployment of the new HVCI/Mass Calling NXX. **SBC-12STATE** will perform the necessary translations in its End Offices and Tandem(s) and issue ASR's to establish a one-way outgoing SS7 or MF trunk group from the **SBC-12STATE** Public Response HVCI/Mass Calling Network Access Tandem to the CLEC's choke serving office.

5.7.5 In **SNET**, where HVCI/Mass Calling NXXs have not been established, the Parties agree to utilize "call gapping" as the method to control high volumes of calls, where technically feasible in the originating switch, to specific high volume customers or in situations such as those described in Section 36 Network Maintenance and Management of the General Terms and Conditions.

5.8 Operator Services/Directory Assistance Trunk Group(s)

5.8.1 If **SBC-13STATE** agrees to provide Inward Assistance Operator Services for the CLEC, please see section 4.1 of Appendix INW for the trunking requirements to provide this service.

5.8.2 If **SBC-13STATE** agrees through a separate appendix or contract to provide Directory Assistance and/or Operator Services for CLEC the following trunk groups are required:

5.8.2.1 Directory Assistance (DA):

5.8.2.1.1 CLEC may contract for DA services only. A segregated trunk group for these services will be required to the appropriate **SBC-13STATE** OPERATOR SERVICES Tandem in the LATA for the NPA the CLEC wishes to serve. This trunk group is set up as one-way outgoing only and utilizes Modified Operator Services Signaling (2 Digit Automatic Number Identification (ANI)). CLEC will have administrative control for the purpose of issuing ASR's on this one-way trunk group.

5.8.2.2 Directory Assistance Call Completion (DACC):

5.8.2.2.1 CLEC contracting for DA services may also contract for DACC. This requires a segregated one-way trunk group to each **SBC-13STATE** OPERATOR SERVICES Tandem within the LATA for the combined DA and DACC traffic. This trunk group is set up as one-way outgoing only and utilizes Modified Operator Services Signaling (2 Digit ANI). The CLEC will have administrative control for the purpose of issuing ASR's on this one-way trunk group.

5.8.2.3 Busy Line Verification/Emergency Interrupt (BLV/EI):

5.8.2.3.1 When **SBC-13STATE**'s operator is under contract to verify the busy status of the CLEC End Users, **SBC-13STATE** will utilize a segregated one-way with MF signaling trunk group from **SBC-13STATE**'s Operator Services Tandem to CLEC switch. CLEC will have administrative control for the purpose of issuing ASR's on this one-way trunk group.

5.8.2.4 Operator Assistance (0+, 0-):

5.8.2.4.1 This service requires a one-way trunk group from CLEC switch to **SBC-13STATE**'s OPERATOR SERVICES Tandem. Two types of trunk groups may be utilized. If the trunk group transports DA/DACC, the trunk group will be designated with the appropriate traffic use code and modifier. If DA is not required or is transported on a segregated trunk group, then the group will be designated with a different appropriate traffic use code and modifier. Modified Operator Services Signaling (2 Digit ANI) will be required on the trunk group. CLEC will have administrative control for the purpose of issuing ASR's on this one-way trunk group.

5.8.2.5 Digit-Exchange Access Operator Services Signaling:

5.8.2.5.1 CLEC will employ Exchange Access Operator Services Signaling (EAOSS) from the equal access End Offices (EAEO) to the OPERATOR SERVICES switch that are equipped to accept 10 Digit Signaling for Automatic Number Identification (ANI).



5.8.2.6 **OS QUESTIONNAIRE**

- 5.8.2.6.1 If CLEC chooses **SBC-13STATE** to provide either OS and/or DA, then CLEC agrees to accurately complete the OS Questionnaire prior to submitting ASRs for OS and DA trunks.

6. **FORECASTING RESPONSIBILITIES: SBC-13STATE**

- 6.1 CLEC agrees to provide an initial forecast for establishing the initial Interconnection facilities. **SBC-13STATE** shall review this forecast and if it has any additional information that will change the forecast shall provide this information to CLEC. Subsequent forecasts shall be provided on a semi-annual basis, not later than January 1 and July 1 in order to be considered in the semi-annual publication of the **SBC-13STATE** General Trunk Forecast. This forecast should include yearly forecasted trunk quantities for all appropriate trunk groups described in this Appendix for a minimum of three years. Parties agree to the use of Common Language Location Identification (CLLI) coding and Common Language Circuit Identification for Message Trunk coding (CLCI-MSG) which is described in TELCORDIA TECHNOLOGIES documents BR795-100-100 and BR795-400-100 respectively. Inquiries pertaining to use of TELCORDIA TECHNOLOGIES Common Language Standards and document availability should be directed to TELCORDIA TECHNOLOGIES at 1-800-521-2673. Analysis of trunk group performance, and ordering of relief if required, will be performed on a monthly basis at a minimum.
- 6.2 The semi-annual forecasts shall include:
- 6.2.1 Yearly forecasted trunk quantities (which include measurements that reflect actual Tandem Local Interconnection and InterLATA trunks, End Office Local Interconnection trunks, and Tandem subtending Local Interconnection End Office equivalent trunk requirements) for a minimum of three (current plus 2 future) years; and
- 6.2.2 A description of major network projects anticipated for the following six months. Major network projects include trunking or network rearrangements, shifts in anticipated traffic patterns, orders greater than four (4) DS1's, or other activities that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.
- 6.2.3 The Parties shall agree on a forecast provided above to ensure efficient utilization of trunks. Orders for trunks that exceed forecasted quantities for forecasted locations will be accommodated as mutually agreed to by the Parties. Parties shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate these orders.

- 6.3 CLEC shall be responsible for forecasting two-way trunk groups. **SBC-13STATE** shall be responsible for forecasting and servicing the one way trunk groups terminating to the CLEC and the CLEC shall be responsible for forecasting and servicing the one way trunk groups terminating to **SBC-13STATE**, unless otherwise specified in this Appendix. Standard trunk traffic engineering methods will be used by the parties as described in Bell Communications Research, Inc. (TELCORDIA TECHNOLOGIES) document SR TAP 000191, Trunk Traffic Engineering Concepts and Applications.
- 6.4 If forecast quantities are in dispute, the Parties shall meet to reconcile the differences.
- 6.5 Each Party shall provide a specified point of contact for planning, forecasting and trunk servicing purposes.

**7. TRUNK DESIGN BLOCKING CRITERIA: SBC-13STATE**

- 7.1 Trunk requirements for forecasting and servicing shall be based on the blocking objectives shown in Table 1. Trunk requirements shall be based upon time consistent average busy season busy hour twenty (20) day averaged loads applied to industry standard Neal-Wilkinson Trunk Group Capacity algorithms (use Medium day-to-day Variation and 1.0 Peakedness factor until actual traffic data is available).

**TABLE 1**

<u>Trunk Group Type</u>	<u>Design Blocking Objective</u>
Local Tandem	1%
Local Direct End Office (Primary High)	ECCS*
Local Direct End Office (Final)	2%
IntraLATA	1%
Local/IntraLATA	1%
InterLATA (Meet Point) Tandem	0.5%
911	1%
Operator Services (DA/DACC)	1%
Operator Services (0+, 0-)	1%
Busy Line Verification-Inward Only	1%

\*During implementation the Parties will mutually agree on an Economic Centum Call Seconds (ECCS) or some other means for the sizing of this trunk group.

**8. TRUNK SERVICING: SBC-13STATE**

- 8.1 Orders between the Parties to establish, add, change or disconnect trunks shall be processed by using an Access Service Request (ASR). CLEC will have administrative control for the purpose of issuing ASR's on two-way trunk groups. In **AMERITECH** and **SNET** where one-way trunks are used (as discussed in section

3.4), **AMERITECH** and **SNET** will issue ASRs for trunk groups for traffic that originates in **SBC-13STATE** and terminates to CLEC. The Parties agree that neither Party shall alter trunk sizing without first conferring with the other party.

8.2 Both Parties will jointly manage the capacity of Local Interconnection Trunk Groups. Both Parties may send a Trunk Group Service Request (TGSR) to the other Party to trigger changes to the Local Interconnection Trunk Groups based on capacity assessment. The TGSR is a standard industry support interface developed by the Ordering and Billing Forum of the Carrier liaison Committee of the Alliance for Telecommunications Solutions (ATIS) organization. TELCORDIA TECHNOLOGIES Special Report STS000316 describes the format and use of the TGSR. Contact TELCORDIA TECHNOLOGIES at 1-800-521-2673 regarding the documentation availability and use of this form.

8.3 Utilization: Utilization shall be defined as Trunks Required as a percentage of Trunks In Service.

8.3.1 In A Blocking Situation (Over-utilization)

8.3.1.1 In a blocking situation the CLEC is responsible for issuing an ASR on all two-way trunk groups and one-way CLEC originating trunk groups to reduce measured blocking to design objective blocking levels based on analysis of trunk group data. If an ASR is not issued, **SBC-13STATE** will issue a TSGR. The CLEC will issue an ASR within three (3) days after receipt and review of the TGSR. The CLEC will note "Service Affecting" On the ASR.

8.3.1.2 In a blocking situation **SBC-13STATE** is responsible for issuing an ASR on one-way SBC originating trunk groups to reduce measured blocking to design objective blocking levels based on analysis of trunk group data. If an ASR is not issued, the CLEC will issue a TSGR. **SBC 13-STATE** will issue an ASR within three (3) days after receipt and review of the TGSR. **SBC-13 STATE** will note "Service Affecting" on the ASR.

8.3.1.3 If an Alternate Final trunk group is at 75 % utilization, a TGSR is sent to the CLEC for the final and all subtending High Usage's that are contributing any amount of overflow to the Final route.

8.3.2 Underutilization:

8.3.2.1 Underutilization of Interconnection trunks and facilities exists when provisioned capacity is greater than the current need. This over provisioning is an inefficient deployment and use of network resources and results in unnecessary costs. Those situations where

more capacity exists than actual usage requires will be handled in the following manner:

8.3.2.1.1 If a trunk group is under 75 percent (75%) of CCS capacity on a monthly average basis, for each month of any three (3) consecutive months period, either Party may request the issuance of an order to resize the trunk group, which shall be left with not less than 25 percent (25%) excess capacity. In all cases grade of service objectives shall be maintained.

8.3.2.1.2 Either party may send a TGSR to the other Party to trigger changes to the Local Interconnection Trunk Groups based on capacity assessment. Upon receipt of a TGSR, the receiving Party will issue an ASR to the other Party within twenty (20) business days for **PACIFIC/NEVADA** and 10 business days for **SWBT**, **AMERITECH**, and **SNET** after receipt of the TGSR.

8.3.2.1.3 Upon review of the TGSR, if a Party does not agree with the resizing, the Parties will schedule a joint planning discussion within the twenty(20) business days. The Parties will meet to resolve and mutually agree to the disposition of the TGSR.

8.3.2.1.4 If **SBC-13STATE** does not receive an ASR, or if the CLEC does not respond to the TGSR by scheduling a joint discussion within the twenty (20) business day period, **SBC-13STATE** will attempt to contact the CLEC to schedule a joint planning discussion. If the CLEC will not agree to meet within an additional five (5) business days and present adequate reason for keeping trunks operational, **SBC-13STATE** will issue an ASR to resize the Interconnection trunks and facilities.

8.4 In all cases except a blocking situation, either Party upon receipt of a TGSR will issue an ASR to the other Party within twenty (20) business days for **PACIFIC/NEVADA** and (10) business days for **SWBT**, **AMERITECH**, and **SNET** after receipt of the TGSR.

8.4.1 Upon review of the TGSR, if a Party does not agree with the resizing, the Parties will schedule a joint planning discussion within the twenty (20) business days. The Parties will meet to resolve and mutually agree to the disposition of the TGSR.

- 8.5 Projects require the coordination and execution of multiple orders or related activities between and among **SBC-13STATE** and CLEC work groups, including but not limited to the initial establishment of Local Interconnection or Meet Point Trunk Groups and service in an area, NXX code moves, re-homes, facility grooming, or network rearrangements.
- 8.5.1 Orders that comprise a project, i.e., greater than four (4) DS-1's, shall be submitted at the same time, and their implementation shall be jointly planned and coordinated.
- 8.6 Due dates for the installation of Local Interconnection and Meet Point Trunks covered by this Appendix shall be based on each of the **SBC-13STATE**'s intrastate Switched Access intervals. If CLEC is unable to or not ready to perform Acceptance Tests, or is unable to accept the Local Interconnection Service Arrangement trunk(s) by the due date, the CLEC will provide a requested revised service due date that is no more than thirty (30) calendar days beyond the original service due date. If the CLEC requests a service due date change which exceeds the allowable service due date change period, the ASR must be canceled by the CLEC. Should the CLEC fail to cancel such an ASR, **SBC-13STATE** shall treat that ASR as though it had been canceled.
- 8.7 Trunk servicing responsibilities for OPERATOR SERVICES trunks used for stand-alone Operator Service or Directory Assistance are the sole responsibility of the CLEC.
- 8.8 **TRUNK SERVICING** – **SWBT** Exceptions:
- 8.8.1 The Parties will process trunk service requests submitted via a properly completed ASR within ten (10) business days of receipt of such ASR unless defined as a major project, as stated in 8.6. Incoming orders will be screened by SWBT trunk engineering personnel for reasonableness based upon current utilization and/or consistency with forecasts. If the nature and necessity of an order requires determination, the ASR will be placed in held status, and a Joint Planning discussion conducted. Parties agree to expedite this discussion in order to minimally delay order processing. Extension of this review and discussion process beyond two days from ASR receipt will require the ordering Party to Supplement the order with proportionally adjusted Customer Desired Due Dates. Facilities must also be in place before trunk orders can be completed.
- 8.9 Projects-Tandem Rehomes/Switch Conversion/Major Network Projects
- 8.9.1 **SBC-13STATE** will advise CLEC of all projects significantly affecting CLEC trunking. Such Projects may include, Tandem Rehomes, Switch Conversions and other Major Network Changes. An Accessible Letter with project details will be issued at least 6 months prior to the project due dates.

**SBC-13 STATE** will follow with a Trunk Group Service Request (TGSR) approximately 4 to 6 months before the due date of the project. A separate TGSRs will be issued for each CLEC trunk group and will specify the required CLEC ASR issue date. Failure to submit ASR(s) by the required date may result in **SBC-13STATE** ceasing to deliver traffic until the ASR(s) are received and processed.

**9. TRUNK DATA EXCHANGE: SBC-13STATE**

- 9.1 Each Party agrees to service trunk groups to the foregoing blocking criteria in a timely manner when trunk groups exceed measured blocking thresholds on an average time consistent busy hour for a twenty (20) business day study period. The Parties agree that twenty (20) business days is the study period duration objective. However, a study period on occasion may be less than twenty (20) business days but at minimum must be at least three (3) business days to be utilized for engineering purposes, although with less statistical confidence.
- 9.2 Exchange of traffic data enables each Party to make accurate and independent assessments of trunk group service levels and requirements. Parties agree to establish a timeline for implementing an exchange of traffic data utilizing the DIXC process via a Network Data Mover (NDM) or FTP computer to computer file transfer process. Implementation shall be within three (3) months of the date, or such date as agreed upon, that the trunk groups begin passing live traffic. The traffic data to be exchanged will be the Originating Attempt Peg Count, Usage (measured in Hundred Call Seconds), Overflow Peg Count, and Maintenance Usage (measured in Hundred Call Seconds on a seven (7) day per week, twenty-four (24) hour per day, fifty-two (52) weeks per year basis). These reports shall be made available at a minimum on a semi-annual basis upon request. Exchange of data on one-way groups is optional.
- 9.3 A trunk group utilization report (TIKI) is available upon request. The report is provided in a MS-Excel format.

**10. NETWORK MANAGEMENT: SBC-13STATE**

**10.1 Restrictive Controls**

- 10.1.1 Either Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps set at appropriate levels on traffic toward each other's network, when required, to protect the public switched network from congestion due to facility failures, switch congestion, or failure or focused overload. CLEC and **SBC-13STATE** will immediately notify each other of any protective control action planned or executed.

**10.2 Expansive Controls**

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

10.3 Mass Calling

10.3.1 CLEC and **SBC-13STATE** shall cooperate and share pre-planning information regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes.

**11. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

11.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions; interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks, no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.

## **APPENDIX NIM (NETWORK INTERCONNECTION METHODS)**



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**APPENDIX NIM  
(NETWORK INTERCONNECTION METHODS)**

**1. INTRODUCTION**

- 1.1 This Appendix sets forth the terms and conditions that Network Interconnection Methods (NIM) is provided by the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) and CLEC. This Appendix describes the physical architecture for Interconnection of the Parties' facilities and equipment for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic between the respective Customers of the Parties pursuant to Section 251(c)(2) of the Act; provided, however, Interconnection may not be used solely for the purpose of originating a Party's own interexchange traffic.
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone Company<sup>1</sup> and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.3 **SBC-13STATE** - As used herein, **SBC-13STATE** means the above listed ILECs doing business in Missouri, Kansas, Arkansas, Oklahoma, Texas, California, Connecticut, Nevada, Illinois, Indiana, Michigan, Ohio and Wisconsin.
- 1.4 **SWBT** - As used herein, **SWBT** means the above listed ILEC doing business in Missouri, Kansas, Arkansas, Oklahoma, and Texas.
- 1.5 **PACIFIC** - As used herein, **PACIFIC** means the above listed ILEC doing business in California.
- 1.6 **NEVADA** - As used herein, **NEVADA** means the above listed ILEC doing business in Nevada.
- 1.7 **SNET** - As used herein, **SNET** means the above listed ILEC doing business in Connecticut.
- 1.8 **AMERITECH** - As used herein, **AMERITECH** means the above listed ILECS doing business in Illinois, Indiana, Michigan, Ohio and Wisconsin.

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<sup>1</sup>On December 30, 2001, Southwestern Bell Telephone Company (a Missouri corporation) was merged with and into Southwestern Bell Texas, Inc. (a Texas corporation) and, pursuant to Texas law, was converted to Southwestern Bell Telephone, L.P., a Texas limited partnership, doing business as Southwestern Bell Telephone Company ("SWBT").

- 1.9 Network Interconnection Methods (NIMs) include, but are not limited to, Physical Collocation Interconnection; Virtual Collocation Interconnection; Leased Facilities Interconnection; Fiber Meet Interconnection; and other methods as mutually agreed to by the Parties. One or more of these methods may be used to effect the Interconnection.
  - 1.9.1 Trunking requirements associated with Interconnection are contained in Appendix ITR.
  - 1.9.2 The terms and conditions associated with access to Unbundled Network Elements (UNEs) are not found in Appendix NIM, but are contained in Appendix UNE. **SNET** Unbundled Network Elements are offered via the Connecticut Access Tariff.
- 1.10 **SBC-13STATE** shall provide Interconnection for CLEC's facilities and equipment for the transmission and routing of telephone exchange service and exchange access, at a level of quality that is equal to that which **SBC-13STATE** provides itself, a subsidiary, an affiliate, or any other party to which **SBC-13STATE** provides Interconnection and on rates, terms and conditions that are just, reasonable and non-discriminatory.
- 1.11 The Parties shall effect an Interconnection that is efficient, fair and equitable with each party being financially responsible for approximately half of the Interconnection facilities or in any other manner that is mutually agreeable to the Parties.

## 2. NETWORK INTERCONNECTION ARCHITECTURE PLAN

- 2.1 **SBC-13STATE**'s network is partly comprised of End Office switches, Tandem switches that serve local only traffic (**SWBT**), Tandem switches that serve IntraLATA and InterLATA traffic, and Tandem switches that serve a combination of local, IntraLATA and InterLATA traffic. **SBC-13STATE**'s network architecture in any given local exchange area and/or LATA can vary markedly from another local exchange area/LATA. Using one or more of the NIMs herein, the Parties will agree to a physical architecture plan for a specific Interconnection area. Due to differing state regulatory calling scope requirements, **SWBT** requires Interconnection in each local exchange area, while **SNET**, **PACIFIC**, **NEVADA** and **AMERITECH** require Interconnection at all Tandems in a LATA. CLEC and **SBC-13STATE** agree to Interconnect their networks through existing and/or new Interconnection facilities between CLEC switch(es) and **SBC-13STATE** End Office(s) and/or Tandem switch(es). The physical architecture plan will, at a minimum, include the location of CLEC's switch(es) and **SBC-13STATE**'s End Office switch(es) and/or Tandem switch(es) to be interconnected, the facilities that will connect the two networks and which Party will provide (be financially responsible for) the Interconnection facilities. At the time of implementation in a given local exchange area the plan will be documented and signed by appropriate representatives of the Parties, indicating their mutual agreement to the physical architecture plan.

- 2.2 **Points of Interconnection (POIs):** A Point of Interconnection (POI) is a point in the network where the Parties deliver Interconnection traffic to each other, and also serves as a demarcation point between the facilities that each Party is responsible to provide. In many cases, multiple POI(s) will be necessary to balance the facilities investment and provide the best technical implementation of Interconnection requirements to each Tandem within an exchange area and/or LATA. Both parties shall negotiate the architecture in each location that will seek to mutually minimize and equalize investment.
- 2.3 The Parties agree to meet as often as necessary to negotiate the selection of new POIs. The overall goal of POI selection will be to achieve a balance in the provision of facilities that is fair to both Parties. Criteria to be used in determining POIs for each geography (LATA, tandem area, etc.) include existing facility capacity, location of existing POIs, traffic volumes, relative costs, future capacity needs, etc. Agreement to the location of POIs is based on the network architecture existing at the time the POI(s) is/are negotiated. In the event either Party makes subsequent changes to its network architecture, including but not limited to trunking changes or adding new switches, then the Parties will negotiate new POIs. The mutually agreed to POIs will be documented and distributed to both Parties.
- 2.4 Each Party is responsible for the facilities to its side of the negotiated POI(s) and may utilize any method of Interconnection described in this Appendix. Each Party is responsible for the appropriate sizing, operation, and maintenance of the transport facility to the POI(s). The parties agree to provide sufficient facilities for the Interconnection trunk groups required for the exchange of traffic between CLEC and **SBC-13STATE**.
- 2.5 Either Party, must provide thirty (30) days written notice of any intent to change to the physical architecture plan.
- 2.6 CLEC is solely responsible for the facilities that carry OS/DA, 911, mass calling and Meet-Point trunk groups as specified in Appendix ITR.
- 2.7 If CLEC has established Collocation in an **SBC-13STATE** End Office, the facility for the Direct End Office Trunks (DEOTS) to that End Office shall be the financial responsibility of CLEC.
- 2.8 **Technical Interfaces**
- 2.8.1 The Interconnection facilities provided by each Party shall be formatted using either Alternate Mark Inversion (AMI) line code with Superframe format framing or Bipolar 8 Zero Signaling (B8ZS) with Extended Superframe format framing or any mutually agreeable line coding and framing.
- 2.8.2 Electrical handoffs at the POI(s) will be at the DS1 or DS3 level. When a DS3 handoff is agreed to by the Parties, **SBC-13STATE** will provide any multiplexing required for DS1 facilities or trunking at their end and CLEC

will provide any DS1 multiplexing required for facilities or trunking at their end.

- 2.8.3 When the Parties demonstrate the need for Optical handoffs at the OC-n level, the parties will meet to negotiate specific Optical handoff needs.

### 3. **METHODS OF INTERCONNECTION**

#### 3.1 Physical Collocation Interconnection

- 3.1.1 When CLEC provides their own facilities or uses the facilities of a 3<sup>rd</sup> party to a **SBC-13STATE** Tandem or End Office and wishes to place their own transport terminating equipment at that location, CLEC may Interconnect using the provisions of Physical Collocation as set forth in Appendix Physical Collocation or applicable state tariff.

#### 3.2 Virtual Collocation Interconnection

- 3.2.1 When CLEC provides their own facilities or uses the facilities of a 3<sup>rd</sup> party to a **SBC-13STATE** Tandem or End Office and wishes for **SBC-13STATE** to place transport terminating equipment at that location on the CLEC's behalf, they may Interconnect using the provisions of Virtual Collocation as set forth in Appendix Virtual Collocation or applicable state tariff. Virtual Collocation allows CLEC to choose the equipment vendor and does not require that CLEC be Physically Collocated.

#### 3.3 Leased Facility Interconnection ("LFI")

- 3.3.1 Where facilities are available, CLEC may lease facilities from **SBC-13STATE** as defined in Section 5 of this Appendix.

#### 3.4 Fiber Meet Interconnection

- 3.4.1 Fiber Meet Interconnection between **SBC-13STATE** and CLEC can occur at any mutually agreeable and technically feasible point between CLEC's premises and an **SBC-13STATE** Tandem or End Office within each local exchange area (**SWBT**) or LATA (**AMERITECH**, **SNET**, **PACIFIC**, and **NEVADA**).
- 3.4.2 When the Parties agree to interconnect their networks pursuant to the Fiber Meet, a single point-to-point linear chain SONET system must be utilized. Only Interconnection trunking shall be provisioned over this jointly provided facility.
- 3.4.3 Neither Party will be allowed to access the Data Communications Channel ("DCC") of the other Party's Fiber Optic Terminal (FOT). The Fiber Meet will be designed so that each Party may, as far as is technically feasible,

independently select the transmission, multiplexing, and fiber terminating equipment to be used on its side of the POI(s). The Parties will work cooperatively to achieve equipment and vendor compatibility of the FOT equipment.

3.4.4 Requirements for such Interconnection specifications will be defined in joint engineering planning sessions between the Parties. The Parties may share the investment of the fiber as mutually agreed.

3.4.5 In addition to the semi-annual trunk forecast process, discussed in Appendix ITR, discussions to provide relief to existing facilities can be initiated by either party. Actual system augmentations will be initiated only upon mutual agreement. Facilities will be planned for to accommodate the verified and mutually agreed upon trunk forecast.

3.4.6 Both Parties will negotiate a project service date and corresponding work schedule to construct relief facilities prior to facilities exhaust.

3.4.7 There are two basic Fiber Meet design options. The option selected must be mutually agreeable to both Parties. Additional arrangements may be mutually developed and agreed to by the Parties pursuant to the requirements of this section.

3.4.7.1 Design One: CLEC will provide fiber cable to the last entrance (or **SBC-13STATE** designated) manhole at the **SBC-13STATE** Tandem or End Office switch. **SBC-13STATE** shall make all necessary preparations to receive and to allow and enable CLEC to deliver fiber optic facilities into that manhole. CLEC will provide a sufficient length of Fiber cable for **SBC-13STATE** to pull through the **SBC-13STATE** cable vault. CLEC shall deliver and maintain such strands wholly at its own expense up to the POI. **SBC-13STATE** shall take the fiber from the manhole and terminate it inside **SBC-13STATE**'s office at the cable vault at **SBC-13STATE**'s expense. In this case the POI shall be at the **SBC-13STATE** designated manhole location.

3.4.7.2 Design Two: Both CLEC and **SBC-13STATE** each provide two fibers between their locations to terminate at each parties' FOT This design may only be considered where existing fibers are available and there is a mutual benefit to both Parties. **SBC-13STATE** will provide the fibers associated with the working side of the system. CLEC will provide the fibers associated with the protection side of the system. The Parties will work cooperatively to terminate each other's fiber in order to provision this joint point-to-point linear chain SONET system. Both Parties will work cooperatively to determine the appropriate technical handoff for purposes of demarcation and fault isolation. The POI will be defined as being at the **SBC-13STATE** location.

- 3.4.8 CLEC location includes FOTs, multiplexing and fiber required to terminate the optical signal provided from **SBC-13STATE**. This location is CLEC's responsibility to provision and maintain.
- 3.4.9 The **SBC-13STATE** location includes all **SBC-13STATE** FOT, multiplexing and fiber required to terminate the optical signal provided from CLEC. This location is **SBC-13STATE**'s responsibility to provision and maintain.
- 3.4.10 **SBC-13STATE** and CLEC shall, solely at their own expense, procure, install, and maintain the agreed-upon FOT equipment in each of their locations where the Parties established a Fiber Meet in capacity sufficient to provision and maintain all trunk groups prescribed by Appendix ITR for the purposes of Interconnection.
- 3.4.11 Each Party shall provide its own source for the synchronized timing of its FOT equipment.
- 3.4.12 CLEC and **SBC-13STATE** will mutually agree on the capacity of the FOT(s) to be utilized based on equivalent DS1s or DS3s. Each Party will also agree upon the optical frequency and wavelength necessary to implement the Interconnection. The Parties will develop and agree upon methods for the capacity planning and management for these facilities, terms and conditions for over provisioning facilities, and the necessary processes to implement facilities as indicated in section 4 of this document.

### 3.5 Other Interconnection Methods

- 3.5.1 Other Interconnection methods that are technically feasible may be mutually agreed to by the Parties.

## 4. RESPONSIBILITIES OF THE PARTIES

- 4.1 For each local Interconnection within an **SBC-13STATE** area, CLEC shall provide written notice to **SBC-13STATE** of the need to establish Interconnection in each local exchange area (**SWBT**) or LATA (**PACIFIC, NEVADA, SNET, and AMERITECH**). CLEC shall provide all applicable network information on forms acceptable to **SBC-13STATE** (as set forth in SBC's CLEC Handbook, published on the CLEC website.)
- 4.2 Upon receipt of CLEC's notice to interconnect, the Parties shall schedule a meeting to negotiate and mutually agree on the network architecture (including trunking) to be documented as discussed in Section 2.1. The Interconnection activation date for an Interconnect shall be established based on then-existing force and load, the scope and complexity of the requested Interconnection and other relevant factors.

- 4.3 Either party may add or remove additional switches. The parties shall provide 120 days written notice to establish such Interconnection; and the terms and conditions of this agreement will apply to such Interconnection.
- 4.4 The Parties recognize that a facility handoff point must be agreed to that establishes the demarcation for maintenance and provisioning responsibilities for each party on their side of the POI.
- 4.5 Facilities will be planned for in accordance with the trunk forecasts exchanged between the Parties as described in Appendix ITR.

## **5. LEASING OF FACILITIES**

- 5.1 Should **SBC-13STATE** wish to voluntarily provide CLEC with Leased ILEC Facilities for the purpose of interconnection, the Parties agree that this voluntary offering is not required under FTA 96 nor under FCC UNE Remand Order 99-238, November 5, 1999, and is made with all rights reserved. The Parties further agree that any such voluntary offering is not subject to TELRIC cost methodologies, and instead will be market priced on an individual case basis. Should **SBC-13STATE** voluntarily offer Leased Facilities under this section, it (I) will advise the CLEC in writing in advance of the applicable charges for Leased Facilities, and (II) will process the request only if CLEC accepts such charges.
  - 5.1.1 Leased facilities in **AMERITECH** and **SNET** are obtained from the applicable Access Tariffs.
- 5.2 Upon CLEC's request, the CLEC will provide a written leased facility request that will specify the A- and Z-ends (CLLI codes, where known), equipment and multiplexing required and provide quantities requested. Requests for leasing of facilities for the purposes of Interconnection and any future augmentations are subject to facility availability at the time of the request. Applicable rates, terms and conditions will be determined at the time of the request.
- 5.3 Requests by CLEC for leased facilities where facilities, equipment, or riser cable do not exist will be considered and **SBC-13STATE** may agree to provide facilities under a Bona Fide Request (BFR).

## **6. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

- 6.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date,



term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.

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**APPENDIX NP  
(NUMBER PORTABILITY)**

**1.0 INTRODUCTION**

- 1.1 This Appendix sets forth terms and conditions for Number Portability provided by the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) and CLEC.
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone, L.P. d/b/a Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.3 As used herein, **SBC-13STATE** means an ILEC doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.4 As used herein, **SBC-12STATE** means an ILEC doing business in Arkansas, California, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.5 As used herein, **SBC-10STATE** means an ILEC doing business in Arkansas, Illinois, Indiana, Kansas, Michigan, Missouri, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.6 As used herein, **SBC-8STATE** means an ILEC doing business in Arkansas, California, Connecticut, Kansas, Missouri, Nevada, Oklahoma, and Texas.
- 1.7 As used herein, **SBC-7STATE** means an ILEC doing business in Arkansas, California, Kansas, Missouri, Nevada, Oklahoma, and Texas.
- 1.8 As used herein, **SBC-SWBT** means an ILEC doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.
- 1.9 As used herein, **SBC-AMERITECH** means an ILEC doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 1.10 As used herein, **PACIFIC** means an ILEC doing business in California.
- 1.11 As used herein, **NEVADA** means an ILEC doing business in Nevada.

- 1.12 As used herein, **SNET** means an ILEC doing business in Connecticut.
- 1.13 The prices at which **SBC-13STATE** agrees to provide CLEC with Numbering Portability are contained in the applicable FCC tariff.

## **2.0 INTERIM NUMBER PORTABILITY (INP) [SBC-SWBT ONLY]**

- 2.1 Due to all **NEVADA**, **PACIFIC**, **SBC-AMERITECH** and **SNET** switches being LNP capable, this Section does not apply.

### **2.2 General Terms and Conditions**

- 2.2.1 **SBC-SWBT** and CLEC will provide Interim Number Portability (INP) in accordance with requirements of the Act. INP will be provided by each Party to the other upon request. INP will be provided with minimum impairment of functionality, quality, reliability and convenience to subscribers of CLEC or **SBC-SWBT**. As described herein, INP is a service arrangement whereby an End User, who switches subscription of exchange service from one provider to another is permitted to retain, for its use, the existing assigned number provided that the End User remains in the same serving wire center.

### **2.3 Service Provided**

- 2.3.1 **SBC-SWBT** shall provide INP to CLEC only, as described herein.
- 2.3.2 **SBC-SWBT** shall provide INP services and facilities only where technically feasible, subject to the availability of facilities, and only from properly equipped central offices. **SBC-SWBT** does not offer INP services and facilities for NXX codes 555, 976, 950.
- 2.3.3 **SBC-SWBT** shall not provide INP services for End User accounts where the End User's payments are thirty (30) days or more in arrears, or where contract termination liabilities would be assessed by **SBC-SWBT** to the End User, unless full payment is made, or an agreement is reached where CLEC agrees to make full payment on the End User's behalf, including any termination amounts due.
- 2.3.4 When the exchange service offerings associated with INP service are provisioned using remote switching arrangements, **SBC-SWBT** shall make INP service available only from, or to host central offices.

### **2.4 Obligations of SBC-SWBT**

- 2.4.1 **SBC-SWBT**'s sole responsibility is to comply with the service requests it receives from CLEC and to provide INP in accordance with this Appendix.

2.5 **Obligations of CLECs**

- 2.5.1 CLEC shall coordinate the provision of service with **SBC-SWBT** to assure that CLEC's switch is capable of accepting INP ported traffic.
- 2.5.2 CLEC is solely responsible to provide equipment and facilities that are compatible with **SBC-SWBT**'s service parameters, interfaces, equipment and facilities. CLEC shall provide sufficient terminating facilities and services at the terminating end of an INP call to adequately handle all traffic to that location and shall ensure that its facilities, equipment and services do not interfere with or impair any facility, equipment or service of **SBC-SWBT** or any of its End Users. In the event that **SBC-SWBT** determines in its sole judgment that CLEC will likely impair or is impairing, or interfering with any equipment, facility or service of **SBC-SWBT** or any of its End Users, **SBC-SWBT** may either refuse to provide INP service or terminate it in accordance with other provisions of this Agreement or **SBC-SWBT**'s tariffs, where applicable.
- 2.5.3 CLEC shall provide an appropriate intercept announcement service for any telephone numbers subscribed to INP service for which CLEC is not presently providing exchange service or terminating to an End User.
- 2.5.4 Where CLEC chooses to disconnect or terminate any INP service, CLEC shall designate which standard **SBC-SWBT** intercept announcement **SBC-SWBT** shall provide for disconnected number.
- 2.5.5 When a ported telephone number becomes vacant, e.g., the telephone number is no longer in service by the original End User and a period for intercept and referral equivalent to that which is provided by **SBC-SWBT** to its own End User subscribers has elapsed, the ported telephone number will be released back to **SBC-SWBT**.
- 2.5.5.1 Formerly ported telephone numbers which revert to **SBC-SWBT** as described above shall be reassigned or provided with a standard **SBC-SWBT** intercept announcement in accordance with **SBC-SWBT**'s standard operating procedures then in effect.
- 2.5.6 CLEC shall designate to **SBC-SWBT** at the time of its initial service request for INP service one of the following options for handling and processing of Calling Card, Collect, Third Party, and other operator handled non-sent paid calls from or to CLEC assigned telephone numbers:
- 2.5.6.1 CLEC may elect to block the completion of third number and calling card calls through the use of LIDB to select ported numbers.

- 2.5.6.2 For non-sent paid calls billed to INP assigned numbers, a separate sub-clearinghouse billing arrangement must be established which will provide for the transmission of the EMR 01-01-01 billing records, and settlement of toll revenues.

## 2.6 Limitations of Service

- 2.6.1 **SBC-SWBT** is not responsible for adverse effects on any service, facility or equipment from the use of INP service.
- 2.6.2 End-to-end transmission characteristics cannot be specified by **SBC-SWBT** for calls over INP facilities because end-to-end transmission characteristics may vary depending on the distance and routing necessary to complete calls over INP facilities and the fact that another carrier is involved in the provisioning of service.

## 2.7 Service Descriptions

### 2.7.1 INP-Remote

- 2.7.1.1 INP-Remote is a service whereby a call dialed to an INP-Remote equipped telephone number, assigned to **SBC-SWBT**, is automatically forwarded to CLEC-assigned, 7 or 10 digit telephone number. The forwarded-to-number must be specified by CLEC at the same wire center wherein the ported number resides.
- 2.7.1.2 INP-Remote provides an initial call path and two (2) additional paths for the forwarding of no more than three (3) simultaneous calls to CLEC's specified forwarded-to number. Additional call paths are available on a per path basis.
- 2.7.1.3 The CLEC-assigned forwarded-to number shall be treated as two (2) separate calls with respect to interconnection compensation, End User toll billing and intercompany settlement and access billing, i.e., an incoming call to the **SBC-SWBT** ported number shall be handled like any other **SBC-SWBT** call being terminated to that end office and the ported call to CLEC assigned telephone number in CLEC switch shall be handled as any local calls between **SBC-SWBT** and CLEC.
- 2.7.1.4 Where facilities exist, **SBC-SWBT** will provide identification of the originating telephone number, via SS7 signaling, to CLEC.

2.7.2 **INP-Direct**

2.7.2.1 INP-Direct is a service which provides for the delivery of the called (dialed) number to CLEC's switching (central office or premises) equipment for identification and subsequent routing and call completion.

2.7.2.2 INP-Direct is available either on a per voice grade channel basis or a per DS1 (24 equivalent voice grade channels) basis.

2.7.2.2.1 Where the location of CLEC's switching equipment to which **SBC-SWBT** is providing voice grade or DS1 INP-Direct service reside outside the exchange or central office serving area from which the INP-Direct service is purchased, CLEC shall pay applicable interoffice mileage charges as specified in the applicable state Special Access Tariff.

2.7.2.3 INP-Direct service must be established with a minimum configuration of two (2) voice grade channels and one (1) unassigned telephone number per **SBC-SWBT** switch. Transport facilities arranged for INP-Direct may not be mixed with any other type of trunk group. Outgoing calls may not be placed over facilities arranged for INP-Direct service.

2.7.2.4 SS7 Signaling is not available on the INP-Direct facilities.

2.8 **Intercompany Terminating Compensation**

2.8.1 With regard intercompany terminating compensation and switched access revenues associated with interim number portability, the Porting Party shall pay the Ported-to-Party \$1.75 per month for each business line and \$1.25 per month for each residence line associated with the INP arrangement. Determination of the number of lines to which the above payment shall apply will be made at the time the INP arrangement is established. Such payment shall continue until the INP arrangement is disconnected or PNP is made available for the INP number, whichever occurs first. Such amount is in consideration of the Switched Access compensation and intercompany terminating reciprocal compensation that would have been received by each Party if PNP had been in effect.

2.9 **Pricing**

2.9.1 The Parties will comply with all effective FCC, Commission and/or court orders governing INP cost recovery and compensation. The Parties



acknowledge that the Telephone Number Portability Order is subject to pending Petitions for Reconsideration and may be appealed. As such, the Number Portability Order may be reconsidered, revised and remanded, or vacated, subject to further proceedings before the FCC. As such, until a final decision is rendered on INP cost recovery, the Parties agree to track the costs associated with the implementation and provision of INP and to “true-up” INP-related accruals to reflect the final terms of any such order.

- 2.9.2 Neither Party waives its rights to advocate its views on INP cost recovery, or to present before any appropriate regulatory agency or court its views.

### 3. **PERMANENT NUMBER PORTABILITY (PNP)**

#### 3.1 **General Terms and Conditions**

3.1.1 The Parties agree that the industry has established local routing number (LRN) technology as the method by which permanent number portability (PNP) will be provided in response to FCC Orders in FCC 95-116 (i.e., First Report and Order and subsequent Orders issued to the date this agreement was signed). As such, the parties agree to provide PNP via LRN to each other as required by such FCC Orders or Industry agreed upon practices.

3.1.2 Other than as specifically set out elsewhere in this agreement, **SNET** does not offer PNP under this agreement. Rather, PNP is available as described in Section 14 of the Connecticut Tariff FCC No. 39.

#### 3.2 **Service Provided**

3.2.1 **SBC-12STATE** provides CLECs the use of the **SBC-12STATE** PNP database via the Service Provider Number Portability (SPNP) Database Query. The CLEC’s STP, tandem, and/or end office’s LRN software will determine the need for, and triggers, the query. **SBC-12STATE**’s PNP database will determine if a number has, or has not, been ported and will provide LRN if a number is ported.

3.2.2 **SBC-12STATE** will provide CLEC the use of the **SBC-12STATE** PNP database, PNP software, and SS7 network via the SPNP Query.

3.2.3 The Parties shall:

- 3.2.3.1 disclose, upon request, any technical limitations that would prevent LNP implementation in a particular switching office; and

3.2.3.2 provide PNP services and facilities only where technically feasible, subject to the availability of facilities, and only from properly equipped central office.

3.2.4 The Parties do not offer PNP services and facilities for NXX codes 555, 976, 950.

### 3.3 Obligations of **SBC-12STATE**

3.3.1 **PACIFIC/NEVADA/SBC-AMERITECH** has deployed LRN in all of their switches.

3.3.2 **SBC-SWBT** has deployed LRN in the following MSAs per the timelines set forth by the FCC:

MSA	DEPLOYMENT WAS COMPLETED BY
Houston	May 26, 1998
Dallas, St. Louis	June 26, 1998
Ft. Worth, Kansas City	July 27, 1998
Oklahoma City, Austin, San Antonio, West Memphis,	September 30, 1998
Tulsa, El Paso, Wichita, Little Rock	December 31, 1998

3.3.3 After December 31, 1998, **SBC-SWBT** will deploy LRN in other MSAs/areas within six (6) months after receipt of Bona Fide Request (BFR) from the CLEC (see EXHIBIT 1).

3.3.4 **SBC-12STATE** may cancel any line-based calling cards associated with telephone numbers ported from their switch.

### 3.4 Obligations of CLEC

3.4.1 When purchasing the SPNP Database Query, CLEC will access **SBC-12STATE** s facilities via an SS7 link: **SBC-AMERITECH** - Section 8 of FCC No. 2 Access Service Tariff/**NEVADA** – Section 6 of FCC No. 1 Access Services tariff/**PACIFIC** – Section 6 of FCC No. 128 Access Service tariff/**SBC-SWBT**- Section 23 and 32 of FCC No. 73 Access Service Tariff) to the **SBC-12STATE** STP.

- 3.4.2 When purchasing the SPNP Query - Prearranged, CLEC will advise **PACIFIC/NEVADA/SBC-SWBT** of the entry point(s) of queries to the **PACIFIC/NEVADA/SBC-SWBT** network and provide a query forecast for each entry point.
- 3.4.3 The CLEC is responsible for advising the Number Portability Administration Center (NPAC) of telephone numbers that it imports and the associated data as identified in industry forums as being required for PNP.
- 3.4.4 After the initial deployment of PNP in a mandated MSA, CLEC shall submit a BFR (see EXHIBIT 1) to request that a **SBC-SWBT** switch in that MSA become LRN capable. The requested switch will be made LRN capable within the time frame stipulated by the FCC.
- 3.4.5 When CLEC requests that an NXX in an LRN capable **SBC-12STATE** switch become portable, CLEC shall follow the industry standard LERG procedure.
- 3.4.6 CLEC shall be certified by the Regional NPAC prior to scheduling Intercompany testing of PNP.
- 3.4.7 CLEC shall adhere to **SBC-12STATE**'s Local Service Request (LSR) format and PNP due date intervals.
- 3.4.8 CLEC shall adhere to **SBC-12STATE**'s reserved number terms and conditions pursuant to Appendix Numbering.

### 3.5 Obligations of Both Parties

- 3.5.1 When a ported telephone number becomes vacant, e.g., the telephone number is no longer in service by the original End User, the ported telephone number will be released back to the carrier owning the switch in which the telephone number's NXX is native.
- 3.5.2 Each party has the right to block default routed call entering a network in order to protect the public switched network from overload, congestion, or failure propagation.
- 3.5.3 Industry guidelines shall be followed regarding all aspects of porting numbers from one network to another.
- 3.5.4 Intracompany testing shall be performed prior to the scheduling of intercompany testing.

- 3.5.5 Each Party will designate a single point of contact (SPOC) to schedule and perform required testing. These tests will be performed during a mutually agreed time frame and must meet the criteria set forth by the InterIndustry LNP Regional Team for porting.
- 3.5.6 Each Party shall abide by NANC and the InterIndustry LNP Regional Team provisioning and implementation process.
- 3.5.7 Each Party shall become responsible for the End User's other telecommunications related items, e.g. E911, Directory Listings, Operator Services, Line Information Database (LIDB), when they port the End User's telephone number to their switch.

### 3.6 Limitations of Service

- 3.6.1 Telephone numbers can be ported only within **PACIFIC/NEVADA/SBC-SWBT** toll rate centers / **SBC-AMERITECH** rate centers or rate districts, which ever is a smaller geographic area, as approved by State Commissions.
- 3.6.2 Telephone numbers in the following **SBC-12STATE** NXXs shall not be ported: (i) wireless NXXs until the FCC mandates that those NXXs be portable; and (ii) **SBC-12STATE** Official Communications Services (OCS) NXXs.
- 3.6.3 Telephone numbers with NXXs dedicated to choke/High Volume Call-In (HVCI) networks are not portable via LRN. Choke numbers will be ported as described in Section 5 of this Appendix.

### 3.7 Service Descriptions

- 3.7.1 The switch's LRN software determines if the called party is in a portable NXX. If the called party is in a portable NXX, a query is launched to the PNP database to determine whether or not the called number is ported.
- 3.7.2 When the called number with a portable NXX is ported, an LRN is returned to the switch that launched the query. Per industry standards, the LRN appears in the CdPN (Called Party Number) field of the SS7 message and the called number then appears in the GAP (Generic Address Parameter) field.
- 3.7.3 When the called number with a portable NXX is not ported, the call is completed as in the pre-PNP environment.
- 3.7.4 The FCI (Forward Call Identifier) field's entry is changed from 0 to 1 by the switch triggering the query when a query is made, regardless of whether the called number is ported or not.