

## APPENDIX INTERCONNECTION TRUNKING REQUIREMENTS (ITR)

### 1. INTRODUCTION

- 1.1 The Interconnection of CLEC and SBC MISSOURI networks shall be designed to promote network efficiency.
- 1.2 This Appendix Interconnection Trunking Requirements (ITR) to Attachment 11: Network Interconnection Architecture provides descriptions of the trunking requirements for CLEC. All references to incoming and outgoing trunk groups are from the perspective of CLEC.
- 1.3 If either Party changes the methods by which it trunks and routes traffic within its network, it will afford the other Party the opportunity to trunk and route its traffic in the same manner for purposes of interconnection. The Parties agree to offer and provide to each other B8ZS Extended Superframe and/or 64 Kbps clear channel where it is currently deployed at the time of the request.
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### 2. TRUNK GROUP CONFIGURATIONS

- Trunking to a SBC MISSOURI access tandem will provide CLEC access to the SBC MISSOURI end offices and NXXs which subtend that tandem and to other service providers which are connected to SBC MISSOURI. Trunking to a SBC MISSOURI end office(s) will provide CLEC access only to the NXXs served by that individual end office(s) to which CLEC interconnects.
- 2.1 When CLEC Offers Service in a Local Exchange Area, the following trunk groups shall be used to exchange various types of traffic between CLEC End Users and SBC MISSOURI End Users.
  - 2.2 Local Only and Local Interconnection Trunk Group(s) in each Local Exchange Area: SBC MISSOURI.
    - 2.2.1 A two-way Local Only Trunk Group shall be established between CLEC's switch and each SBC MISSOURI Local Only Tandem Switch in the local exchange area. Inter-Tandem switching is not provided.
    - 2.2.2 A two-way Local Interconnection Trunk Group shall be established between CLEC switch and each SBC MISSOURI Local/IntraLATA Tandem Switch and each Local/Access Tandem Switch in the local exchange area. Inter-Tandem switching is not provided.
    - 2.2.3 SBC MISSOURI reserves the right to initiate a one-way IntraLATA Toll Trunk Group to CLEC in order to provide Tandem relief when a community of interest is outside the local exchange area in which CLEC is interconnected.
    - 2.2.4 Where traffic from CLEC switch to an SBC MISSOURI End Office is sufficient (24 or more trunks), a Local Interconnection Trunk Group shall also be established to the SBC MISSOURI End Office.
    - 2.2.5 A Local Interconnection Trunk Group shall be established from CLEC switch to each SBC MISSOURI End Office in a local exchange area that has no Local Tandem. This trunk group shall be established as a direct final.
    - 2.2.6 When SBC MISSOURI has a separate Local Only Tandem Switch(es) in the local exchange area, and a separate Access Tandem Switch that serves the same local exchange area, a two-way IntraLATA Toll Trunk Group shall be established to the SBC MISSOURI Access Tandem Switch. In addition a two-way Local Only Trunk Group(s) shall be established from CLEC's switch to each SBC MISSOURI Local Only Tandem Switch.
    - 2.2.7 Each Party shall deliver to the other Party over the Local Only and/or Local Interconnection Trunk Group(s) only such traffic that originates and terminates in the same local exchange area.
  - 2.3 Meet Point Traffic:

Meet Point Traffic will be transported between the SBC MISSOURI Local/Access or Access Tandem Switch and CLEC over a Meet Point-Trunk Group separate from Local Interconnection Trunk Groups. This trunk group will be established for the transmission and routing of Exchange Access traffic and IntraLATA Toll Traffic routed via an IXC between CLEC's end users and interexchange carriers via a SBC MISSOURI Local/Access or Access Tandem Switch. When SBC MISSOURI has more than one Local/Access or Access Tandem Switch within a Local Exchange Area in which CLEC homes its NPA/NXXs, CLEC may utilize a single Meet Point Trunk Group to one SBC MISSOURI Local/Access or Access Tandem Switch within the Local Exchange Area in which CLEC homes its NPA/NXXs. If the exchange crosses over two states, CLEC may interconnect with one Local/Access or Access Tandem Switch in each state. This trunk group will be provisioned as two-way and will utilize SS7 protocol signaling. Traffic destined to and from multiple interexchange carriers (IXCs) can be combined on this trunk group.

#### 2.4 Direct End Office Trunking:

The Parties shall establish a two-way Direct End Office Trunk Group (DEOT) when actual or forecasted End Office traffic requires twenty-four (24) or more trunks or when no SBC MISSOURI Local Only, Local/IntraLATA or Local/Access Tandem Switch is present in the Local Exchange Area.

Trunking to an SBC MISSOURI End Office shall afford CLEC access only to the NXXs served by that individual End Office.

#### 2.5 E911 Emergency Traffic:

A segregated trunk group will be required to each appropriate E911 tandem within a Local Exchange Area in which CLEC offers Exchange Service. This trunk group will be provisioned as a one-way outgoing only and will utilize SS7 protocol signaling unless SS7 protocol signaling is not yet available, then CAMA/ANI MF signaling will be utilized.

#### 2.6 Mass Calling (Public Response Choke Network):

A segregated trunk group will be required to the designated Public Response Choke Network tandem in each serving area in which CLEC Offers Service pursuant to this Agreement. This trunk group will be one-way outgoing only and will utilize MF signaling. It is anticipated that this group will be sized as follows, subject to adjustments from time to time as circumstances require:

< 15001 access Lines (AC)	2 trunks (min)
15001 to 25000 AC	3 trunks
25001 to 50000 AC	4 trunks
50001 to 75000 AC	5 trunks
> 75000 AC	6 trunks (max)

#### 2.7 Directory Assistance Trunk Group(s)

##### 2.7.1 Inward Assistance

If SBC MISSOURI agrees through a separate appendix, tariff, or contract to provide Inward Assistance Operator Services for CLEC, CLEC will initiate an ASR for a one-way trunk group from its designated operator services switch to the SBC MISSOURI Operator Services Tandem utilizing MF signaling. The Inward Assistance trunk group is used by the CLEC Operator Service Provider to gain access to SBC's operators for the purposes of Busy Line Verification (BLV) and/or busy line interrupt (BLV/I). CLEC is responsible for billing this call to its end user. If CLEC is utilizing SBC OS, this trunk group is not required.

SBC MISSOURI at it's option may also initiate an ASR for a one-way MF signaling trunk groups from its Operator Services Tandem to CLEC's designated operator services switch for the purpose of busy line verification and or busy line interrupt of the lines served by CLEC.

### 3. TRUNK DESIGN BLOCKING CRITERIA

Trunk forecasting and servicing for Local Interconnection Trunk Groups will be based on the industry standard objective of 2% overall time consistent average busy season busy hour loads 1% from the End

Office to the Tandem and 1% from tandem to End Office based on Neal Wilkinson B.OIM [Medium Day-to-Day Variation] until traffic data is available. Listed below are the trunk group types and their objectives:

TABLE 1

Trunk Group Type	Design Blocking Objective
Local Interconnection Trunk Group - Direct End Office (Primary High)	ECCS*
Local Interconnection Trunk Group - Direct End Office (Final)	2%
IntraLATA Toll Trunk Group (Local/Access or Access Tandem Switch)	1%
Local Interconnection Trunk Group (Local Tandem)	1%
Meet Point (Local/Access or Access Tandem Switch)	0.5%
E911	1%
Operator Services (DA/DACC)	1%
Operator Services (0+, 0-)	1%
Busy Line Verification/Emergency Interrupt	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.

#### 4. TRUNK FORECASTING/SERVICING RESPONSIBILITIES

4.1 SBC MISSOURI and CLEC will be jointly responsible for servicing all two-way trunk groups between the two networks. CLEC shall be solely responsible for forecasting and ordering all new two-way trunk groups and subsequent augments between the two networks. CLEC will be responsible for forecasting and servicing the one-way trunk groups to SBC MISSOURI including mass calling, operator services, directory assistance and E911 trunks. Trunk 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 MISSOURI General Trunk Forecast. Each trunk forecast must include information for all trunk groups described in this Appendix for a minimum of three years. Standard trunk traffic engineering methods will be used as described in Bell Communications Research, Inc. (Bellcore) document SR-TAP-000191, Trunk Traffic Engineering Concepts and Applications or as otherwise mutually agreed to by the Parties.

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#### 5. SERVICING OBJECTIVE/DATA EXCHANGE

5.1 Each Party agrees to service trunk groups to the blocking criteria listed in Section 3 above. Each party will attempt to service trunk groups in a timely manner when they have sufficient data to determine that the service objectives in Section 3 are not being met.

5.2 Each Party will make trunk group blockage information available to the other party by mechanized procedures. The existing exchange of data for Access Trunk Groups will be extended to provide data on all joint trunk groups.

#### 6. TRUNK UNDERUTILIZATION

6.1 Underutilization of Local Interconnection Trunk Groups or Meet Point Trunk Groups exists when provisioned capacity is greater than the current need. The parties agree that 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:

6.1.1 If a trunk group is under seventy-five 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 twenty-five percent (25%) excess capacity. In all cases grade of service objectives shall be maintained.

6.1.2 SBC MISSOURI may send a Trunk Group Service Request (TGSR) to CLEC to trigger changes to the Local Interconnection Trunk Groups or Meet Point Trunk Groups based on the capacity assessment. Upon receipt

of a TGSR, CLEC will issue an Access Service Request (ASR) to SBC MISSOURI within ten (10) business days after receipt of the TGSR subject to Section 6.1.3 below.

- 6.1.3 Upon review of the TGSR, if CLEC does not agree with the resizing, the Parties will schedule a joint planning discussion within twenty (20) business days. The Parties will meet to resolve and mutually agree to the disposition of the TGSR.
- 6.1.4 If SBC MISSOURI does not receive an ASR, or if CLEC does not respond to the TGSR by scheduling a joint discussion within the twenty (20) business day period, SBC MISSOURI will attempt to contact CLEC to schedule a joint planning discussion. If CLEC will not agree to meet within an additional ten (10) business days and present adequate reason for keeping trunks operational, SBC MISSOURI reserves the right to issue an ASR to resize the Local Interconnection Trunk Groups or Meet Point Trunk Groups.