FIBER-FED DLC LINE SHARING LANGUAGE

1.0 Definitions

1.1. "Fiber-Fed DLC," in a line sharing context, refers to a loop network topology that consists of an all-copper pair from the end-user customer demarcation point to a Remote Terminal, and fiber from the Remote Terminal to CLEC's designated point of interconnection (e.g., SBC's "Project Pronto" infrastructure).

1.2. "High Bandwidth Services" are services with a transmission rate of at least 128 kilobits per second.

1.3. "Permanent Virtual Circuit" or "PVC" is a logical communication path that provides the equivalent of a dedicated physical point-to-point path over an Asynchronous Transfer Mode ("ATM") packet switching network.

1.4. "Permanent Virtual Path" or "PVP" is an ATM logical communications path that comprises multiple PVCs.

1.5. "Remote Terminal" or "RT" means a controlled environmental vault, hut, cabinet, or other structure equipped with fiber fed Digital Loop Carrier ("DLC") equipment.

1.6. "Quality of Service Classes" refers to performance specifications for ATM service defined by the ATM Forum and/or the ITU-T.

1.7. "Splitter" is a device that divides the data and voice signals concurrently moving across a line shared loop, directing the voice traffic to a switch and the data traffic to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the Digital Subscriber Line Access Multiplexer ("DSLAM") equipment or DLC line card, or may be externally mounted.

2.0 Fiber-Fed DLC Configuration

2.1. Network Topology – There are several different variations of line sharing over the Fiber-Fed DLC configuration. In each variation, Ameritech-IL shall make available to CLEC copper wire from the demarcation point at the end-user customer premises to the Remote Terminal, and shall make available fiber from the Remote Terminal to the first ATM switch located at Ameritech-IL's serving wire center (the "Optical Concentration Device" or "OCD") or other location. From the OCD, CLEC shall determine the method by which Ameritech-IL will deliver the High Bandwidth traffic to CLEC. CLEC may specify, without limitation, any of the methods and

points of interconnection indicated in this Section. The specific number and type of sub-elements CLEC may lease from Ameritech-IL to obtain line sharing over Fiber-Fed DLC will vary, depending on the specific configuration chosen by CLEC.

2.2. Network Elements / Interconnection Components

2.2.1. Ameritech-IL shall make available to CLEC and CLEC shall obtain certain of the following network elements and/or interconnection components, either individually or in any of the combinations of elements specified below, in order for CLEC to provide High Bandwidth Services over the Fiber-Fed DLC configuration:

2.2.1.1. Line sharing as a PVC or PVP, at the option of the CLEC, between the DLC equipment in Ameritech-IL's Remote Terminal and the OCD in the serving wire center;

2.2.1.2. The High Frequency Portion of Copper Subloops ("HFPSL") consisting of the following segments:

2.2.1.2.1 The copper subloop from the RT to the NID at the customer premises;

2.2.1.2.2 The copper subloop from the RT to the SAI ("serving area interface");

2.2.1.2.3 The copper subloop from the SAI to the NID at the customer premises.

2.2.1.3 xDSL capable line cards (e.g., with resident DSLAM capability) owned by the CLEC and collocated in the NGDLC equipment in the RT;

2.2.1.4 xDSL capable line cards (e.g., with resident DSLAM capability) owned by the ILEC in the NGDLC equipment in the RT;

2.2.1.5 A port on the OCD in the serving wire center("OCD port");

2.2.1.6 Tie cable between an OCD port and CLEC's collocation arrangement, available at CLEC's choice of DS-1, DS-3 or OC-3 bit rates; and

2.2.1.6.1 Interoffice transport between CLEC's collocation arrangement in the serving wire center and CLEC's point-of-presence, node, or collocation arrangement in another location.

2.2.2 CLEC may obtain from Ameritech-IL any one or more of the aforementioned network elements on an individual basis in any combination thereof, including a line shared loop from the OCD port to the NID.

2.3 Augments

2.3.1 The placement of additional line cards to a DSLAM shall not require the submission of any additional application or firm order by CLEC.

2.4 Remote Terminal Equipment Placement

2.4.1 Ameritech-IL shall permit CLEC to specify, at each individual Ameritech-IL Remote Terminal, the line card(s) to be placed in the DLC equipment in Ameritech-IL's Remote Terminal for use in providing service to CLEC's customers. CLEC may select any of the following line card options:

2.4.1.2 CLEC specifies the type and quantity of the line card(s) that Ameritech-IL shall obtain, own, and install in the Ameritech-IL DLC system located in a Ameritech-IL Remote Terminal. Ameritech-IL may charge CLEC the reasonable cost of an xDSL capable line card; or

2.4.1.3 CLEC obtains the desired line card(s) and transfers ownership of said card(s) to Ameritech-IL (for $1.00 per card). Ameritech-IL then installs said card(s) in the Ameritech-IL DLC system located in a Ameritech-IL Remote Terminal. Upon request of CLEC, Ameritech-IL shall remove said card(s), return said card(s) to CLEC, and transfer ownership of said card(s) to CLEC for $1.00 each.

2.4.1.4 CLEC obtains, owns and installs the line card(s) in the Ameritech-IL DLC system located in an Ameritech-IL Remote Terminal.

2.4.2 Except as specified in Section 2.4.1, Ameritech-IL shall not impose any additional charge on CLEC for any of the options in Section 2.4.1, including but not limited to, collocation of line cards.

2.4.3 Within 2 weeks of any request by CLEC, Ameritech-IL shall provide to CLEC copies, both paper and electronic, of all technical specifications and network architecture data relevant to the development by any potential vendor of plug-in DLC line cards that will support any variety of xDSL or other advanced services.

2.5 PVPs and PVCs shall be provided to CLEC at all of the following options: ITU-T Quality of Service Classes A, B, C, and D; ATM Forum Quality of Service Classes 1, 2, 3, and 4; and Service Class Categories Available Bit Rate, Constant Bit Rate, Variable Bit Rate – real time, Variable Bit Rate – not real time, and Unspecified Bit Rate.

2.6 Ameritech-IL shall provide CLEC with 6 months advance notification of software upgrades of, at a minimum, its: Central Office Terminals, RT, OCD, DLC equipment, and CPE. In addition, if Ameritech-IL chooses to upgrade any of the above software, then Ameritech-IL agrees to provide backward compatibility for at least 12 months after the upgrade is installed.

3 OSS

3.2 Ameritech-IL shall provide the following OSS for line sharing over the Fiber-Fed DLC Configuration:

3.2.1 Ameritech-IL shall, at a minimum, provide CLEC with the following information:

3.2.1.2 Element manager for PVC and PVP;

3.2.1.3 Whether the loop originates at an ADSL-capable RT;

3.2.1.4 Whether the loop originates at a non-ADSL-capable RT;

3.2.1.5 Indicators of whether an ADSL-capable RT is available;

3.2.1.6 Target date of when ADSL-capable RT will be deployed in a particular wire center;

3.2.1.7 Location of ADSL-capable RT by address and by CLLI;

3.2.1.8 Location of non-ADSL-capable RT by address and by CLLI;

3.2.1.9 Wire center served by the RT;

3.2.1.10 Type of structure for RT (*i.e.*, hut, cabinet, or CEV);

3.2.1.11 Slots available for xDSL cards in the NGDLC in the RT;

3.2.1.12 Number of ports initially available on the NGDLC equipment in the RT;

3.2.1.13 Fill rates for the NGDLC ports;

3.2.1.14 Fill rate for the RT (for collocated CLEC equipment); and;

3.2.1.15 Any other OSS information available to Ameritech-IL or any Ameritech-IL parent, subsidiary or affiliate in Illinois related to fiber fed DLC, including any planned loop infrastructure modifications.

3.3 All OSS information described in Section 3.2 shall be provided by CLECs via an electronic, real-time mechanized system, including electronic gateways and direct access (i.e., personal computer running terminal emulation software).

4 <u>Service Quality and Maintenance</u>

4.2 Remote Terminal DLC Line Cards for Fiber-Fed DLC Configuration

4.2.1 In response to a trouble ticket opened by CLEC, Ameritech-IL shall conduct any work necessary to repair or replace the line cards in Ameritech-IL's DLC in a Remote Terminal on a twenty-four-hour-a-day, seven-day-a-week basis. Ameritech-IL is responsible for keeping a sufficient quantity of spare line cards of the type used by Ameritech-IL or its affiliate on hand to accomplish any line card replacement or for temporary use during repairs.

4.2.2 Where repair work or replacement is necessary on a line card in a Remote Terminal that is of a type not deployed by Ameritech-IL for its own use, or use by its data affiliate, CLEC is responsible for providing Ameritech-IL with a sufficient quantity of spare line cards for Ameritech-IL to use for maintenance and repair purposes.