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ALLTEL New York, Inc.
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SECTION 11 - ADVANCED DIGITAL SERVICES

PRIMARY RATE ACCESS

11.C.1. GENERAL

- A. ISDN architecture provides two access methods that connect customers' premises to network switching systems, Primary Rate Access (PRA) for large quantities of connections and Basic Rate Access (BRA) for smaller numbers of connections. PRA facilities are typically used for business only.
- B. PRA is an optional service arrangement that must be configured with 24 PBX Trunks. This service arrangement uses the ISDN architecture to provide the customer with the capability to transmit voice and data simultaneously over the same digital facility. Under various optional arrangements, PRA provides the customer with access to Circuit Switched Voice Services and Circuit Switched Data Services. In general, this tariff addresses standardized National ISDN-1 (NI-1) capabilities and features.
- C. PRA is offered on Term Payment Plans of 12, 24, 36, 48 or 60 months.

11.C.2. PRIMARY RATE INTERFACE SERVICE ARRANGEMENT

- A. PRA Service Arrangement connects an ISDN-capable Telephone Company central office switch to ISDN-capable Class II Customer Premises Equipment (CPE). Depending on the application, the CPE might be a PBX, a router, a multiplexer, etc. Each PRA service arrangement provides twenty-three or twenty-four digital communications channels.

These communication channels can be either B (Bearer) Channels or D (Delta) Channels:

- 1. B Channel - The B Channel is a bi-directional synchronous channel capable of supporting digital transmission speeds of 56 kilobits per second (kbps) or 64 kilobits per second, where available. Each B Channel of an Advanced Digital Services PRA may carry:
 - (1) Circuit Switched Voice
 - (2) Circuit Switched Data, or
- 2. D Channel - The D Channel is a 56 or 64 kbps digital signaling channel that carries signaling and control for the B Channels.
- B. Primary Rate Access Facility - The Primary Rate Access Facility provides a high-capacity digital link over which the Advanced Digital Services PRA capabilities are delivered. This facility is based on a 1.544 Mbps DS1 carrier (T1 facility). The typical PRA Access Facility configuration is known as 23B+D, where twenty-three of the channels are B Channels and one is a D Channel.

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