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February 17, 2006

Ms. Renee J. Jenkins - Chief
Docketing Division - 10th Floor
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215-3793

Transmittal Letter
Revised Tariff Sheets Filed Pursuant
to the Commission's Order in
Case No. 05-1456-TP-ATA
And
Case No. 90-5023-TP-TRF

Dear Ms. Jenkins:

Attached are three (3) complete printed copies of revised tariff sheets authorized by the Commission in its Order in Case No. 05-1456-TP-ATA. The tariff sheets reflect grandfathering of Packet Switching Network Service.

The transmitted tariff sheets are listed on the attached Tariff Revision Summary.

Acknowledgement and date of receipt of this filing is requested.

Very truly yours,

cc Todd Colquitt
for TODD COLQUITT
President

MTC:jac
Attachments

This is to certify that the images appearing are an
accurate and complete reproduction of a case file
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TARIFF REVISION SUMMARY

Case No. 05-1456-TP-ATA

And

Case No. 90-5023-TP-TRF

<u>Tariff</u>	<u>Section</u>	<u>Sheet No.</u>
P.U.C.O. No. 7	9	1st Revised Sheet No. 26 1st Revised Sheet No. 31 1st Revised Sheet No. 53 1st Revised Sheet No. 54 1st Revised Sheet No. 56 1st Revised Sheet No. 57 1st Revised Sheet No. 58 1st Revised Sheet No. 62 2nd Revised Sheet No. 63 2nd Revised Sheet No. 74 2nd Revised Sheet No. 78 1st Revised Sheet No. 101 1st Revised Sheet No. 102 3rd Revised Sheet No. 104 1st Revised Sheet No. 105 2nd Revised Sheet No. 106 4th Revised Sheet No. 111 2nd Revised Sheet No. 113 2nd Revised Sheet No. 114 2nd Revised Sheet No. 115 2nd Revised Sheet No. 116 2nd Revised Sheet No. 119

GENERAL EXCHANGE TARIFF
P.U.C.O. No. 7

Verizon North Inc.

SECTION 9
1st Revised Sheet No. 26
Cancels Original Sheet No. 26

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.01. GENERAL

- A. Integrated Services Digital Network (ISDN) - Basic Rate Interface Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. It is a central office based service arrangement which provides for local exchange access, interexchange access, business group communications and feature packages.
- B. ISDN - Basic Rate Interface Service is furnished from digital central office equipment located on Company premises and associated facilities.
- C. A customer may choose to subscribe to ISDN - Basic Rate Interface Service from a central office other than his normal serving central office. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the dial tone. Where available, rates and charges will be provided as shown in Section 3, Paragraph 1.15. of this Tariff.
- D. ISDN - Basic Rate Interface Service may be comprised of the following elements:

- Channel Configuration
 - Features
 - ISDN Access
 - Network Access

- E. ISDN - Basic Rate Interface features will be grouped as follows:

- CentraNet® Series 1000
 - CentraNet® Series 2000
 - CentraNet® Series 3000
 - Circuit Switched Data Features
 - Non-CentraNet® ISDN Feature Packages
 - Optional CentraNet® System Features
 - Packet Switched Data Features ¹

(T)

¹ Effective February 18, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service. Further, this service will be withdrawn effective December 31, 2006. (N)
(N)

Issued: February 17, 2006

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In compliance with The Public Utilities Commission of Ohio
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by Todd Colquitt, President, Verizon North Inc., Marion, Ohio

GENERAL EXCHANGE TARIFF
P.U.C.O. No. 7

Verizon North Inc.

SECTION 9
1st Revised Sheet No. 31
Cancels Original Sheet No. 31

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.03. ISDN - BASIC RATE INTERFACE FEATURES (Continued)

M. Packet Switching Features¹: (T)

- (1) ISDN X.25 Basic Feature Package¹ includes Flow Control Parameter Negotiation, Incoming Calls Barred, Outgoing Calls Barred, Throughput Class Negotiations, and Transmit Delay Selection and Indication. (T)
- (2) ISDN X.25 Enhanced Feature Package¹ includes Closed User Group, Fast Select, Fast Select Acceptance, Hunt Groups, One-Way Outgoing Logical Channels, and Permanent Virtual Circuit. (T)

2.04. DEFINITIONS

A. Standard definitions:

"B" Channel - A 64 Kbps channel primarily used for information transfer (voice/data) from user to user.

Business System - The combination of ISDN Access and Network Access Registers forming a complete communications system for a single business group within a single central office.

"D" Channel - A 16 kbps channel primarily used for signaling messages and/or packet-switched user data¹. The bit rate is fixed as a function of the interface used. (T)

ISDN - Basic Rate Interface Line Capacity (2B+D) - Two 64 kilobits per second (kbps) "B" channels and one 16 kbps "D" channel (2B+D).

Number Identification - A Basic Service Feature which permits incoming calling number identification between ISDN Service and a CentraNet® System in the same business group or between two or more ISDN Basic Rate Interface lines in the same business group.

Primary Directory Number (DN) - The single telephone number provided with each ISDN Access Line.

Secondary DN - A telephone number purchased by the customer which is in addition to the primary DN for an ISDN Access Line.

Terminal - A CPE device connected to an ISDN - Basic Rate Interface line.

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(N)

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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 53
Cancels Original Sheet No. 53

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.04. DEFINITIONS

B. Definition of Features: (Continued)

(7) Package Switching Features¹ (T)

(a) ISDN X.25 Basic Feature Package¹: (T)

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred feature prohibits a data terminal from terminating an incoming call. This feature is activated by a service order.

X.25 Outgoing Calls Barred feature prohibits a data terminal from originating outgoing virtual calls. This feature is activated by service order.

X.25 Throughput Class Negotiation feature allows the calling data terminal to request specific throughput classes in the call request package for both directions of data transmission. This feature is activated by service order.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

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(N)

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SECTION 9
1st Revised Sheet No. 54
Cancels Original Sheet No. 54

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.04. DEFINITIONS

B. Definition of Features (Continued)

(7) Package Switching Features ¹ (Continued)

(T)

(b) ISDN X.25 Enhanced Feature Package ¹:

(T)

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. Communication with users who are external to the closed user group is not permitted. The closed user groups are established by a service order. A user can belong to multiple closed user groups.

X.25 Fast Select allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets.

X.25 Fast Select Acceptance allows the switch to transmit incoming call packets with the fast select facility to a destination terminal that has this feature.

X.25 Hunt Groups allow a grouping of access lines such that an incoming packet-switched data call to the hunt group is completed if there is an available logical channel on any of the access lines within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the switch, but the Hunt Group cannot span switches. A basic rate interface within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify some number of logical channels to be used only for calls that they originate. This feature is activated by service order.

X.25 Permanent Virtual Circuit feature allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. The permanent virtual circuit is established by a service order.

¹ Effective February 18, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service. Further, this service will be withdrawn effective December 31, 2006.

(N)
(N)

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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 56
Cancels Original Sheet No. 56

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.07. PAYMENT SCHEDULE

- A. ISDN - Basic Rate Interface Service is offered as a month-to-month payment plan.
- B. ISDN - Basic Rate Interface Service is subject to a one (1) month minimum service period.

2.08. ISDN MULTIPOINT ACCESS

- A. ISDN Multipoint Access provides support for connecting a maximum of eight (8) terminals, belonging to the same customer, to a single ISDN - Basic Rate Interface Line (2B+D).
- B. A maximum of two (2) terminals will be allowed access to the "B" channels, the remaining terminals on the same ISDN - Basic Rate Interface Line will have access to the "D" channel only.
- C. All eight terminals can share the same "D" channel simultaneously in a "D" channel packet switching ¹ arrangement. (T)
- D. ISDN Multipoint Access includes a "primary" directory number. Secondary directory numbers to be used by the multiple users on the same ISDN - Basic Rate Interface Line must be ordered by the customer as specified in Paragraph 2.06. of this Section.

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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 57
Cancels Original Sheet No. 57

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.09. Rate Structure

A. ISDN - Basic Rate Interface Service consists of six (6) basic elements:

"B" Circuit Switched Data Channel (B-CSD)
"B" Packet Switched Data Channel¹ (T)
"B" Voice Channel
"B" Voice/CSD Channel
"D" Packet Switched Data Channel¹ (T)
ISDN Access

- B. Each ISDN - Basic Rate Interface Service is comprised of an ISDN Access element. The channel elements can be arranged to best suit the customers needs, not to exceed the maximum 2B+D per ISDN - Basic Rate Interface capacity.
- C. Each ISDN BRI line is allowed only one voice, one data and one packet¹ feature package regardless of the number or mix of desired channels. (T)
- D. Each ISDN - Basic Rate Interface Line within a business group can be individually suited by feature package and channel arrangement.
- E. The rates and charges for ISDN Access specified in this Section provide for the access to the basic exchange network and the line termination.
- F. The customer can subscribe to ISDN Access as Voice or Data or a combination of Data and Voice on a single or multi-point service.
- G. The rates and charges for Network Access as specified in Section 3, Paragraph 1.03.04.A.(6) of this Tariff are required for exchange and toll network usage.
- H. The "B" Voice Channel element assigns voice traffic to one of two available "B" channels on the ISDN - Basic Rate Interface Line.

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GENERAL EXCHANGE TARIFF
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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 58
Cancels Original Sheet No. 58

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.09. RATE STRUCTURE (Continued)

- I. The "B" Circuit Switched Data Channel (B-CSD) assigns circuit switched data traffic to one of two available "B" channels on the ISDN - Basic Rate Interface Line. The CSD channel will operate at speeds up to 64 Kbps for intra-business group calling only. When the CSD channel is utilized at the 56 kbps speed, the user is able to place calls within a business group and outside of the business group. Usage charges as shown in Section 3, Paragraph 1.14.04.B.(2) of this Tariff will apply for CSD calls to points outside the business group. If the customer desires that both available "B" channels be dedicated to CSD, then two (2) "B"-CSD Channel elements would be required.
- J. The "B" Packet Switched Data Channel¹ dedicates a "B" channel to packet switched data¹. This channel is available for business group calling only. If the customer desires that both available "B" channels be dedicated to packet switched data service, then two (2) "B" Packet Switched Data Channel elements are applicable. (T)
- K. The "D" Packet Switched Data Channel¹ allows the customer to utilize the "D" channel for packet switched data¹. This channel is available for business group calling only. A single "D" Packet Switched Data Channel is available independent of the "B" channel configuration. (T)
- L. End User charges as specified in the End User Common Access Service Section of Verizon Telephone Companies Tariff FCC No. 14 apply as appropriate. (T)
(T)
- M. Presubscription of a Carrier of Preference is specified in Section 6 of the Verizon FCC No. 14 Tariff. All secondary directory numbers will be presubscribed to the same Carrier of Preference as the customer's "primary" directory number. Access to other service providers will be via the 10XXX access code. Each Basic Rate Interface Line may have one Carrier of Preference for switched voice and one Carrier of Preference for switched data. (T)

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(N)

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GENERAL EXCHANGE TARIFF
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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 62
Cancels Original Sheet No. 62

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.10. RATES AND CHARGES

B. Recurring Charges (Continued)

(1) (Continued)

	<u>GSEC</u>	<u>Monthly Rate</u>	
(b) For an ISDN - Basic Rate Interface Line Capacity (2B+D), the following channel elements apply per each channel so arranged.			
B-Voice/CSD Channel ¹ , each	ISDNBVCSD	\$ 9.00	(T)
B-CSD Channel ¹ , each	ISDNBCSD	8.00	(T)
B-Voice Only Channel, each	ISDNBVC	2.00	
B-Packet Switched Data Channel ² , each	ISDNBPKT	120.00	(T)
D-Packet Switched Data Channel ² , each	ISDNDPKT	5.00	(T)
(c) The following Feature Series rates apply per Basic Rate Interface Line.			
Feature Series 1000, per line		³	(T)
Feature Series 2000, per line		³	
Feature Series 3000, per line		³	
Optional System Features		³	(T)

- ¹ Usage charges shown in this section for Circuit Switched Data will apply. (T)
² Effective February 18, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service. Further, this service will be withdrawn effective December 31, 2006. (N)
³ Apply appropriate rates and charges as specified in Section 3 for CentraNet® Feature Series. (T)

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GENERAL EXCHANGE TARIFF
P.U.C.O. No. 7

Verizon North Inc.

SECTION 9
2nd Revised Sheet No. 63
Cancels 1st Revised Sheet No. 63

DIGITAL NETWORK SERVICES

2. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - BASIC RATE INTERFACE

2.10. RATES AND CHARGES

B. Recurring Charges (Continued)

(1) (Continued)

	<u>GSEC</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	
(c) (Continued)				
MBKS Features, per line	ISDNMBKS ISDNMBKSIC	\$ 25.00	\$ 6.00	
MBKS Deluxe Features, per line	ISDNMBKSD ISDNMBKSDIC	25.00	8.00	
Attendant Services ¹ , per line	ISDNCNSLFTR ISDNCNSLIC	100.00	25.00	(T)
X.25 Enhanced Features ² , per line	ISDNX25EFP ISDNX25IC	15.00	5.00	(T)
Data 1000, per line	ISDNDFP1000 ISDN1000IC	15.00	3.00	
Data 2000, per line	ISDNDFP2000 ISDN2000IC	15.00	5.00	
(4) Optional Data Features				
Data Direct Connect, per line	ISDNDDC	-	1.00	
Data Closed User Group, per line	ISDNDCUG	-	1.00	
(5) Secondary Directory Number, per line	ISDNADN	-	.40	
(6) ISDN Individual Line Loop Extension, per line	ISDNLE ISDNLEIC	50.00	28.50	

¹ Available in specific central offices.

² Effective February 18, 2006, this service is no longer available to new customers and current customers may not make changes or additions to existing service. Further, this service will be withdrawn effective December 31, 2006.

(T)

(N)

(N)

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GENERAL EXCHANGE TARIFF
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Verizon North Inc.

SECTION 9
2nd Revised Sheet No. 74
Cancels 1st Revised Sheet No. 74

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE

4.01. GENERAL

- A. Integrated Services Digital Network (ISDN) - Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices. It is a central office based service arrangement which provides for local exchange access, interexchange access, business group communications and feature packages.
- B. ISDN - Single Line Service is furnished from digital central office equipment located on Company premises and associated facilities.
- C. A customer may choose to subscribe to ISDN - Single Line Service from a central office other than his normal serving central office. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the dial tone. Where available, rates and charges will be provided as shown in the Company's Tariffs.
- D. ISDN - Single Line Service may be comprised of the following elements:
 - Residence One-Party or Business One-Party access line
 - Single line access
 - Line/Configuration:
 - B-Voice/Circuit Switched Data (CSD), per line
 - B-Packet¹, per channel (optional) (T)
 - D-Packet¹, per channel (optional) (T)
 - Usage Options - must choose one:

Residence	Business
Measured	Measured
Flat rate	400 hour block of time

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(N)

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Verizon North Inc.

SECTION 9
2nd Revised Sheet No. 78
Cancels 1st Revised Sheet No. 78

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE

4.03. ISDN - SINGLE LINE FEATURES (Continued)

- G. ISDN - Single Line Multibutton Key System Features (MBKS): Analog Shared Directory Number on all SM Configurations, Automatic Callback on Busy, Bridging, Call Forwarding, Call Pickup, Conference Calling, DROP, Feature Function Buttons, Feature Inspect, Hold, Intercom Function, Key System Coverage for Analog Lines, Manual Exclusion, Multiple Directory Number Buttons, Shared Call Appearances of Directory Numbers, Speed Calling, Terminal Management, Time and Date Display, Transfer, and Two-Digit Intercom Dialing.
- H. ISDN - Single Line Multibutton Key System Deluxe Features: All of the ISDN MBKS Features plus the following: Delayed and Abbreviated Ringing, Display for Ringing Call Appearances Only, Initiated Priority Calling, Inspect for ISDN Terminals, Intercom Alerting, Originating Priority Calling, Outgoing Called Line Identification for ISDN Terminals, and Priority Calling Incoming Only.
- I. Packet Switching Features ¹: (T)
 - (1) ISDN X.25 Basic Feature Package ¹ includes Flow Control Parameter Negotiation, Incoming Calls Barred, Outgoing Calls Barred, Throughput Class Negotiations, and Transmit Delay Selection and Indication. (T)
 - (2) ISDN X.25 Enhanced Feature Package ¹ includes Closed User Group, Fast Select, Fast Select Acceptance, Hunt Groups, One-Way Outgoing Logical Channels, and Permanent Virtual Circuit. (T)

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P.U.C.O. No. 7

Verizon North Inc.

SECTION 9
1st Revised Sheet No. 101
Cancels Original Sheet No. 101

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE

4.04. DEFINITIONS

B. Definition of Features: (Continued)

(7) Package Switching Features¹ (T)

(a) ISDN X.25 Basic Feature Package¹: (T)

X.25 Flow Control Parameter Negotiation - permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred - feature prohibits a data terminal from terminating an incoming call. This feature is activated by a service order.

X.25 Outgoing Calls Barred - feature prohibits a data terminal from originating outgoing virtual calls. This feature is activated by service order.

X.25 Throughput Class Negotiation - feature allows the calling data terminal to request specific throughput classes in the call request package for both directions of data transmission. This feature is activated by service order.

X.25 Transmit Delay Selection and Indication - allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

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Verizon North Inc.

SECTION 9
1st Revised Sheet No. 102
Cancels Original Sheet No. 102

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE

4.04. DEFINITIONS

B. Definition of Features:

(7) Package Switching Features¹ (Continued) (T)

(b) ISDN X.25 Enhanced Feature Package¹: (T)

X.25 Closed User Groups - allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. Communication with users who are external to the closed user group is not permitted. The closed user groups are established by a service order. A user can belong to multiple closed user groups.

X.25 Fast Select - allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets.

X.25 Fast Select Acceptance - allows the switch to transmit incoming call packets with the fast select facility to a destination terminal that has this feature.

X.25 Hunt Groups - allow a grouping of access lines such that an incoming packet-switched data call to the hunt group is completed if there is an available logical channel on any of the access lines within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the switch, but the Hunt Group cannot span switches. A basic rate interface within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel - allows an ISDN subscriber to specify some number of the logical channels to be used only for calls that they originate. This feature is activated by service order.

X.25 Permanent Virtual Circuit - feature allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. The permanent virtual circuit is established by a service order.

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SECTION 9
3rd Revised Sheet No. 104
Cancels 2nd Revised Sheet No. 104

Verizon North Inc.

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE (Continued)

4.06. ADDITIONAL DIRECTORY NUMBERS

- A. One "primary" directory number (DN) is provided for the use of an ISDN-Single Line.
- B. With ISDN Access, a single terminal may choose to order multiple Secondary directory numbers for the ISDN - Single Line.
- C. A maximum of eight (8) terminals belonging to the same customer are permitted per ISDN-Single Line. At a minimum, one secondary directory number is required for each additional terminal.
- D. Secondary directory numbers are available as specified in Paragraph 4.10. of this Section.

4.07. PAYMENT SCHEDULE

- A. ISDN - Single Line Service is offered as month-to-month, 12 month term or 36 month term payment plans.
- B. ISDN - Single Line Service is subject to a three (3) month minimum service period.

4.08. DIGITAL (ISDN) SINGLE LINE ACCESS

- A. Digital (ISDN) Single Line Access provides support for connecting from one to eight terminals belonging to the same customer on an individual digital local line.
- B. Only one user will be connected to each B-Channel. Other users on the same digital local loop can access the D-Channel only.
- C. Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching¹ arrangement. Additional telephone numbers are required for each additional terminal.
- D. A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

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(N)

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GENERAL EXCHANGE TARIFF
P.U.C.O. No. 7

Verizon North Inc.

SECTION 9
1st Revised Sheet No. 105
Cancels Original Sheet No. 105

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE (Continued)

4.09. RATE STRUCTURE

A. ISDN - Single Line Service consists of seven (7) basic elements:

"B" Circuit Switched Data Channel (B-CSD)	
"B" Packet Switched Data Channel ¹	(T)
"B" Voice Channel	
"B" Voice/CSD Channel	
"D" Packet Switched Data Channel ¹	(T)
ISDN Access	
ISDN - Single Line	

B. Each ISDN - Single Line Service is comprised of an ISDN-Single Line and ISDN Access element. The channel elements can be arranged to best suit the customers needs, not to exceed the maximum 2B+D per ISDN - Single Line capacity.

C. Each ISDN Single Line is allowed only one voice, one data and one packet¹ feature package regardless of the number or mix of desired channels. (T)

D. Each ISDN - Single Line within a business group can be individually suited by feature package and channel arrangement.

E. The rates and charges for ISDN Access specified in Paragraph 4.10, provide for the access to the basic exchange network and the line termination.

F. The customer can subscribe to ISDN Access as Voice or Data or a combination of Data and Voice on a single or multi-point service.

G. The rates and charges for Residence or Business one-party as specified in Section 2 of Tariff P.U.C.O. No. 6 are required.

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SECTION 9
2nd Revised Sheet No. 106
Cancels 1st Revised Sheet No. 106

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - SINGLE LINE

4.09. RATE STRUCTURE (Continued)

- H. The "B" Voice Channel element assigns voice traffic to one of two available "B" channels on the ISDN - Single Line.
- I. The "B" Circuit Switched Data Channel (B-CSD) assigns circuit switched data traffic to one of two available "B" channels on the ISDN - Single Line. The CSD channel will operate at speeds up to 64 Kbps for intra-business group calling only. When the CSD channel is utilized at the 56 kbps speed, the user is able to place calls within a business group and outside of the business group. Usage rates will only apply for calls to point outside the business group.
- J. The optional "B" Packet Switched Data Channel¹ dedicates a "B" channel to packet switched data¹. This channel is available for business group calling only. If the customer desires that both available "B" channels be dedicated to packet switched data service, then two (2) "B" Packet Switched Data Channel¹ elements are applicable. (T)
- K. The optional "D" Packet Switched Data Channel¹ allows the customer to utilize the "D" channel for packet switched data¹. This channel is available for business group calling only. A single "D" Packet Switched Data Channel¹ is available independent of the "B" channel configuration. (T)
- L. End User charges as specified in the End User Common Access Service Section of Verizon Telephone Companies Tariff FCC No. 14 apply as appropriate. (T)
- M. Presubscription of a Carrier of Preference is specified in Section 6 of the Verizon FCC No. 14 Tariff. All secondary directory numbers will be presubscribed to the same Carrier of Preference as the customer's "primary" directory number. Access to other service providers will be via the 10XXX access code. Each ISDN - Single Line Service may have one Carrier of Preference for voice and one Carrier of Preference for switched data. (T)

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SECTION 9
4th Revised Sheet No. 111
Cancels 3rd Revised Sheet No. 111

Verizon North Inc.

DIGITAL NETWORK SERVICES

4. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) – SINGLE LINE

4.10. RATES AND CHARGES

B. Recurring Charges (Continued)

(4) Optional Features

	<u>Month-to-Month Monthly Rate</u>	<u>12 Month Term Monthly Rate</u>	<u>36 Month Term Monthly Rate</u>	<u>Nonrecurring Charges</u>	
B-Packet ¹ , per channel	\$120.00 (75761)	\$120.00 (75761)	\$120.00 (75761)	--	(T)
D-Packet ¹ , per channel	5.00 (13113)	5.00 (13113)	5.00 (13113)	--	(T)
Secondary Directory Number, per line	.40 (15681)	--	--	--	

(5) Packaged Services

MBKS Features, per line	6.00 (13258)	6.00 (13258)	6.00 (13258)	\$ 25.00 (13428)	
MBKS Deluxe Features, per line	8.00 (13176)	8.00 (13176)	8.00 (13176)	25.00 (13427)	
Attendant Services ² , per line	25.00 (13104)	25.00 (13104)	25.00 (13104)	100.00 (13419)	(T)
X.25 Enhanced Features ¹ , per line	5.00 (13165)	5.00 (13165)	5.00 (13165)	15.00 (13164)	(T)
Data 1000, per line	3.00 (13156)	3.00 (13156)	3.00 (13156)	15.00 (13157)	
Data 2000, per line	5.00 (13158)	5.00 (13158)	5.00 (13158)	15.00 (13157)	

(6) Individual Services

Data Direct Connect, per line	1.00 (13160)	1.00 (13160)	1.00 (13160)	--	
Data Closed User Group per line	1.00 (13162)	1.00 (13162)	1.00 (13162)	--	

(7) Digital (ISDN) Individual
Line Loop Extension,
per line ³

16.00 (13199)	--	(T)
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² Available in specific central offices. (N)

³ Grandfathered to existing customers as of October 12, 1999. (T)

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SECTION 9
2nd Revised Sheet No. 113
Cancels 1st Revised Sheet No. 113

DIGITAL NETWORK SERVICES

5. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - LOCAL PACKET SWITCHING NETWORK SERVICE¹ (T)

5.01. GENERAL

- A. Local Packet Switching Network Service uses packet switching technology to provide a switched data transport service. This service uses analog and digital facilities to provide usage-sensitive data transport for a variety of interactive (or bursty) data applications between two or more customer designated locations.
- B. Packet switching technology divides data streams into packets. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. This service is based on Consultative Committee on International Telegraph and Telephony (CCITT) X.25 protocol and the X.75 internetworking protocol. Local Packet Switching Network Service and features are available where facilities and conditions permit.

5.02. ACCESS METHOD

- A. Customers may access the Local Packet Switching Network through an ISDN Access and Private Line Access.
- B. Access Options
 - (1) ISDN Access - End users may obtain X.25 access to the Local Packet Switching Network through ISDN BRI or ISDN Single Line service available in this tariff. Local Packet Switching Network Service will allow ISDN services to transmit packet traffic outside the serving central office business customer group.
 - (2) Private Line Access - Allows an end user to subscribe to a private line and directly access the X.25 packet switch. Maximum transmission speed is 64,000 bps. Tariffed X.25 usage charges and a monthly recurring port charge will be billed to the termination point.

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SECTION 9
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Cancels 1st Revised Sheet No. 114

DIGITAL NETWORK SERVICES

5. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - LOCAL PACKET SWITCHING NETWORK SERVICE¹ (T)

5.02. ACCESS METHOD (Continued)

C. Explanation of Terms

Authorized User - is a person, firm, corporation or other entity authorized to use this service.

Bit - is a binary digit, the smallest unit of information in the binary system of notation.

Customer - is an end user subscriber to the Local Packet Switching Network Service.

Data Circuit Terminating Equipment - is equipment that connects the customer's access channel to the packet network.

Data Terminal Equipment - is the equipment that comprises the data source, the data sink, or both and provides for the communication control function.

ISDN - Integrated Services Digital Network.

Logical Channel - a virtual connection operated over a physical connection that can support one or more virtual connections simultaneously.

Network Address - is the alphanumeric character string used to specify the destination of each switched connection made within the network.

Octet - a group of eight binary digits operated upon as an entity.

Packet - provides a continuous sequence of binary digits (bits) of information that is switched through the network as an integral unit. A packet consists of a maximum of 4,096 bits (512 octets) of user information plus additional transmission and error control information.

Packet Switching Office - is the central office where the packet switching functions are performed and access to the packet network is accomplished.

Permanent Virtual Circuit - allows packet switching to be implemented over a dedicated logical channel without needing call setup or clearing. Will only provide the intranetwork Permanent Virtual Circuit.

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SECTION 9
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Cancels 1st Revised Sheet No. 115

DIGITAL NETWORK SERVICES

5. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - LOCAL PACKET SWITCHING NETWORK SERVICE ¹ (T)

5.02. ACCESS METHOD

C. Explanation of Terms (Continued)

Port - is an X.25 communications interface at a Packet Switching Office through which the customer or authorized user obtains access to the network.

Protocol - is a set of transmission rules for the exchange of data over a communications channel. The X.25 and X.75 Protocols are international standards developed by the CCITT that provide the foundation for Public Packet Switched Networks.

Segment - is a unit of user information consisting of 64 octets or less. Billing for Local Packet Switching Network Service is based on the number of segments transmitted within the user data field of a packet. The number of segments transmitted within a packet is limited only by the subscribed or negotiated maximum size of the user data field for the customer interface.

Virtual Connection - is a logical channel resulting from call establishment to a network address that exists until the call is terminated by either party.

X.25 Protocol - is the interface between Data Terminal Equipment and Data Circuit Terminating Equipment for terminals operating in the packet mode on public data networks.

X.75 Protocol - is the terminal and transit call control procedures and data transfer system of circuits between packet switched data networks.

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SECTION 9
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DIGITAL NETWORK SERVICES

5. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - LOCAL PACKET SWITCHING NETWORK SERVICE ¹ (T)

5.04. RATE REGULATIONS

- A. Rates applicable for ISDN Access are available from this tariff.
- B. Rates for usage of the packet network will apply in addition to the monthly recurring charges for dedicated access.

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DIGITAL NETWORK SERVICES

5. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) - LOCAL PACKET SWITCHING NETWORK SERVICE ¹ (T)

5.05. RATES AND CHARGES

A. Access Options

(1) ISDN Access - See rates in Paragraph 2.10.B.(1)(b) (B-Packet or D-Packet)

(2) Private Line Access -

<u>IOSC</u>	<u>Nonrecurring Charge</u>	<u>Monthly Charge</u>
07598	\$85.00	

56K Dedicated Access Port	13051	--	\$35.00
9.6K Dedicated Access Port	13055	--	35.00

B. Network Usage

(1) 9.6Kbps Port, with 12 Logical Channels	55053	--	48.00
with 22 Logical Channels	55054	--	88.00
with 32 Logical Channels	55055	--	128.00
(2) 56Kbps Port, with 32 Logical Channels	55056	--	128.00
with 60 Logical Channels	55057	--	240.00
with 90 Logical Channels	55058	--	360.00

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