

TELNET WORLDWIDE-OHIO, INC.

TIER 2 BUSINESS CATALOG

Catalog for Local and Intrastate Nonresidential Tier 2 Services
Applying Within the State of Ohio

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APPLICATION OF CATALOG

This catalog sets forth the service offerings, rates, terms and conditions applicable to the furnishing of intrastate, Tier 2 end-user telecommunications services by Telnet Worldwide, Inc., hereinafter referred to as the Company, to business customers within the State of Ohio.

SECTION 1 - DEFINITIONS

Business Service - A switched network service that provides for dial station communications that is described as a business or commercial rate.

Business Customer - A Business Customer is a Customer who subscribes to the Company's Service(s) and whose primary use of the Service is of a business, professional, institutional, or otherwise occupational nature.

Company - Used throughout this catalog to refer to Telnet Worldwide-Ohio, Inc., unless otherwise clearly indicated by the context.

End User - Any person, firm, corporation, partnership or other entity which uses the services of the Company under the provisions and regulations of this catalog. The End User is responsible for payment unless the charges for the services utilized are accepted and paid by another Customer.

Tier 1 Services – Same definition as in Chapter 4901:1-6-04 of the Ohio Administrative Code.

Tier 2 Services – Same definition as in Chapter 4901:1-6-05 of the Ohio Administrative Code

SECTION 2 - REGULATIONS

Unless otherwise inapplicable, the regulations found within Section 2 of the Company's Tariff P.U.C.O. No. 1 continue to apply to the Company's provision of Tier 2 Business Service.

SECTION 3 - APPLICATION OF RATES

3.1 General

The regulations set forth in this section govern the application of rates for services contained in other sections of this catalog.

3.1.1 Application of Business Rates

- A. Service is classified as Business service where the use is primarily or substantially of a business, professional, institutional, or otherwise occupational nature. Where the business use, if any, is incidental and where the major use is of a personal or domestic nature at the person's dwelling, service is classified as Residential service.
- B. Business rates apply at the following locations, among others:
 - 1. In offices, stores and factories, and in quarters occupied by clubs, lodges, fraternal societies, schools, colleges, libraries, hospitals, and other business establishments.
 - 2. In residence locations where the place of residence is in the immediate proximity to a place of business and it is evident that the telephone in the residence is or will be used for business purposes, and in residence locations where an extension is located at a place where business rates would apply.
 - 3. In the residence of a practicing physician, dentist, veterinary, surgeon, or other medical practitioner who has no service at business rates at another location.
 - 4. In any residence location where there is substantial business use of the service and the customer has no service at business rates.

SECTION 3 - APPLICATION OF RATES, CONT'D.

3.2 Charges Based on Duration of Use

Where charges for a service are specified based on the duration of use, such as the duration of a telephone call, the following rules apply:

- (A) Calls are measured in durational increments identified for each service. All calls that are fractions of a measurement increment are rounded-up to the next whole unit.
- (B) Timing on completed calls begins when the call is answered by the called party. Answering is determined by hardware answer supervision in all cases where this signaling is provided by the terminating local carrier and any intermediate carrier(s). Timing for operator service person-to-person calls start with completion of the connection to the person called or an acceptable substitute, or to the PBX station called.
- (C) Timing terminates on all calls when the calling party hangs up or the Company's network receives an off-hook signal from the terminating carrier.
- (D) Calls originating in one time period and terminating in another will be billed in proportion to the rates in effect during different segments of the call.
- (E) All times refer to local time.

SECTION 3 - APPLICATION OF RATES, CONT'D.

3.2 Charges Based on Duration of Use, Cont'd

3.2.1 Applicable Rate Periods

Unless otherwise specified, applicable rate periods are indicated in the chart below:

	MON	TUES	WED	THUR	FRI	SAT	SUN
8:00 AM TO 5:00 PM*	DAYTIME RATE PERIOD						
5:00 PM TO 11:00 PM*	EVENING RATE PERIOD						EVE
11:00 PM TO 8:00 AM*	NIGHT/WEEKEND RATE PERIOD						

* To, but not including

SECTION 3 - APPLICATION OF RATES, CONT'D.

3.3 Rates Based Upon Distance

Where charges for a service are specified based upon distance, the following rules apply:

3.3.1 Distance between two points is measured as airline distance between the Rate Centers of the originating and terminating telephone lines. The Rate Center is a set of geographic coordinates, as referenced in National Exchange Carrier Association, Inc. Tariff FCC No. 4, associated with each NPA-NXX combination (where NPA is the area code and NXX is the first three digits of a seven digit telephone number). Where there is no telephone number associated with an access line on the Company's network (such as a dedicated 800 or WATS access line), the Company will apply the Rate Center of the Customer's main billing telephone number.

3.4 Calculation of Distance

Usage charges are based on the airline distance between the serving wire centers associated with the originating and terminating points of the call. The serving wire centers of a call are determined by area code and exchange numbers. All calls are billed from the End User's serving wire center to the terminating point serving wire center.

The distance between the originating point and that of the destination point is calculated by using the "V" and "H" coordinates as defined by NECA Tariff FCC No. 4, in the following manner:

- Step 1: Obtain the "V" and "H" coordinates for the originating point and the destination point.
- Step 2: Obtain the difference between the "V" coordinates of each of the Rate Centers. Obtain the Difference between the "H" coordinates.
- Step 3: Square the differences obtained in Step 2.
- Step 4: Add the squares of the "V" difference and "H" difference obtained in Step 3.
- Step 5: Divide the sum of the square obtained in Step 4 by ten (10). Round to the next higher whole number if any fraction results from the division.
- Step 6: Obtain the square root of the whole number obtained in Step 5. Round to the next higher whole number if any fraction is obtained. This is the distance between the originating and terminating serving wire centers.

Formula:

$$\sqrt{(V_1 - V_2)^2 + (H_1 - H_2)^2}$$

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES

4.1 General

This section of the catalog contains a general description of the Tier 2 business local exchange services offered by the Company and the rates applicable to each service. Telnet provides switched, telephonic-quality voice and data transmission services that enable Users to communicate on a real-time basis between points within local calling areas in the State of Ohio, as well as ancillary services that facilitate the use or expand the capabilities of switched communications services. Services may be performed by resale of services provided by other telephone companies.

4.2 Basic Local Exchange Service

Basic Local Exchange Service provides a Customer with a Connection to the Company's switching network which enables the Customer to:

- a) receive calls from other stations on the public switched telephone network;
- b) access the Company's Local Calling Services and other Services as set forth in this price list;
- c) access interexchange calling services of the Company and of other carriers;
- d) access (at no additional charge) the Company's operators and business office for service related assistance; access toll-free telecommunications services such as 800 NPA; and access 9-1-1 service for emergency calling;
- e) access relay services for the hearing impaired.

Basic Local Exchange Service can be used to originate calls to other telephone companies' caller-paid information services (e.g. NPA 900, NXX 976, etc.). Calls to those numbers and other numbers used for caller-paid information services will be blocked by the Company's switch at no charge upon customer request. Each Basic Local Exchange Service corresponds to one or more telephonic communications channels that can be used to place or receive one call at a time.

Individual line business service is comprised of exchange access lines defined as follows:

Exchange Access Line - The service central office line equipment and all the Company plant facilities up to the demarcation point. These facilities are Company-provided and

maintained and provide access to and from the telecommunications network for message toll service and for local calling appropriate to the use offering selected by the customer.

4.3 Business Local Exchange Service

4.3.1 Business Basic Line Service – 4 or More Access Lines

Business Basic Line Service – 4 or More Access Lines provides a customer desiring 4 or more access lines with all the features of basic local exchange service set forth in this catalog, provided over a single, voice-grade telephonic communications channel which can be used to place or receive one call at a time. Basic line rates are charged on a measured rate basis, with no monthly call allowance.

4.3.2 Rates and Charges

Services to be provided as defined in Section 4.3.1 of this catalog. Service charges under Section 4.6 also apply.

Monthly Rate:	\$ 40.00 per line
Per call:	\$ 0.10

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES, CONT'D.**4.4 Directory Listings**

For each Customer of Company-provided, Tier 2, Business Exchange Access Service(s), the Company shall arrange for the listing of the Customer's main billing telephone number in the directory(ies) published by the incumbent Local Exchange Carrier in the area at no additional charge. For Customers with multiple premises served by the Company, the Company will arrange for a listing of the main billing telephone number at each premise.

4.5 Directory Assistance Service**4.5.1 General**

The Company furnishes Directory Assistance Service ("DA") for the purpose of aiding subscribers in obtaining telephone numbers through arrangements with the incumbent local exchange carrier when a party in Ohio requests assistance in obtaining telephone numbers of subscribers who are located within the same numbering plan area as the number the party is calling from.

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES, CONT'D.

4.6 Service Charges

4.6.1 Service Ordering Charge - Multi Element Charges

(A) Primary - For connecting new or additional Access lines.

Nonrecurring Charge

Tier 2 Business, per service order \$ 50.00

(B) Secondary - For moving or changing existing service or adding new or additional service other than Access lines.

Tier 2 Business, per service order \$ 30.00

(C) Record - For record type orders affecting directory listings.

Tier 2 Business, per service order \$ 13.00

4.6.2 Access Line Connection Charge

Per Access Line or Trunk – Tier 2 Business

- | | | |
|-----|----------------------------|-----------|
| (1) | Central Office Work Charge | \$ 200.00 |
| (2) | New Line Connection Charge | \$ 20.00 |

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES, CONT'D.

4.6 Service Charges, Cont'd.

4.6.3 Restoration Charge

(A) Temporary Suspension at Customer's Request

Nonrecurring Charge

Secondary Service Ordering Charge, per Customer request	\$ 30.00
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Charge per Telephone Number Restored	\$ 30.00
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(B) Nonpayment or Shutoff

In the event service is temporarily interrupted for nonpayment, such service will be restored upon payment of charges due or, at the discretion of the Company, a substantial portion thereof, and in addition, charges as specified following will be applicable to restore such services.

Tier 2 Business

Secondary Service Ordering Charge, per request	\$ 50.00
Charge per Telephone Number Restored	\$ 25.00

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES, CONT'D.**4.7 Reserved****4.8 Reserved****4.9 Telephone Directory**

For Customers that subscribed to the Company's Tier 2 Business Basic Local Exchange Service, the Company will provide each Customer annually at no charge one copy of a printed directory listing all telephone Service subscribers, except for unlisted and unpublished numbers, within the Customer's local exchange area. The Company may, at its option, either publish its own directory or provide a copy of one published by the dominant exchange service provider.

4.10 Call Blocking Service

Call Blocking Service is a Service which provides Customers with the capability to block originating calls to the 1-900 calling networks or 976 services. When Call Blocking Service is requested, all originating calls to 900 numbers nationwide will be blocked. Calls to a 976 service will also be blocked. Customers with Call Blocking Service attempting to dial a 900 number from a restricted line will reach a Company-provided or DUC-provided intercept announcement. Call Blocking is provided at no charge.

SECTION 4 - LOCAL SERVICES OFFERINGS, RATES AND CHARGES, CONT'D.**4.11 Rates By Individual Contract Basis (ICB)**

In lieu of the rates otherwise set forth in this catalog, rates and charges, including minimum usage, installation, special construction and recurring charges for the Company's services may be established at negotiated rates on an individual contract basis (ICB), taking into account the nature of the facilities and services, the costs of construction and operation, the volume of traffic, the length of service commitment by the Customer, and use of facilities by other customers. Such arrangements shall be considered Special Pricing Arrangements, the terms of which will be set forth in individual Customer contracts. However, unless otherwise specified, the terms, conditions, obligation and regulation set forth in this catalog shall be incorporated into, and become a part of, said contract, and shall be binding on the Company and the Customer. Specialized rates or charges will be made available to similarly situated customers on a non-discriminatory basis.

In addition to any rate or charge established by the Carrier, the Customer will also be responsible for any recurring or non-recurring charges imposed by local exchange telephone companies incurred by or on behalf of the Customer in establishing and maintaining service. Such charges may be billed by the Carrier or directly by the local exchange company, at the Carrier's option.

SECTION 5 – DEDICATED TRANSPORT SERVICE

5.1 Business Direct Inward Dial (DID) Service

Business Direct Inward Dial (DID) Service is an optional feature that can be purchased by Business Customers and only in conjunction with Company-provided local business service. Purchasers of DID service must have local business service for each line to which the DID service applies. DID Service transmits the dialed digits for all incoming calls, allowing the Customer's PBX to route incoming calls directly to individual stations corresponding to each individual DID number. Charges for DID capability and service apply in addition to charges specified for business local service. At this time, DID service is available only on individual contract basis (ICB) arrangements pursuant to Section 5.5.

5.2 Digital Signal 0 (DS-0) Service

DS-0 Service is a single digital 64 Kbps, pulse code modulated, full duplex, transmission channel, which may be terminated as analog two-wire or four-wire, or may be provisioned where facilities permit as a four-wire in a digital format when used in conjunction with a compatible termination at the other end. DS-0 facilities are provided between customer-designated locations or between a customer-designated location and a carrier's hub. At this time, DS-0 Service is available only on individual contract basis (ICB) arrangements pursuant to Section 5.5.

SECTION 5 – DEDICATED TRANSPORT SERVICE, CONT'D.

5.3 Digital Signal 1 (DS-1) Service

DS-1 Service is a dedicated, high capacity, full duplex channel with a line speed of 1.544 Mbps isochronous serial data having signal format of either Alternate Mark Inversion (AMI) or Bipolar 8 Zero Substitution (B8ZS) and either Superframe (D4) or Extended Superframe formats. The channel provides synchronous service with timing provided by the Company, through Company facilities to the customer in the received bit stream. DS-1 Service channels are provided only between customer-designated locations and/or between customer-designated locations and a carrier's hub.

DS-1 Service has the equivalent capacity of 24 Voice Grade services or 24 DS-0 Services. AMI can support 24 56 Kbps channels and B8ZS can support 24 64 Kbps channels.

DS-1 Service may also be provisioned with a Primary Rate Interface (PRI), or in combination with both DS-1 Service and DS-1 PRI Service. DS-1 PRI Service has 23B + D Channels in which all 23 B Channels operate at 64 Kbps and the D Channel also operates at 64 Kbps, but the D Channel results in a DS-1 interface at the network boundary for network signaling.

At this time, DS-1 Service and DS-1 PRI Service are available only on individual contract basis (ICB) arrangements pursuant to Section 5.5.

SECTION 5 – DEDICATED TRANSPORT SERVICE, CONT'D.

5.4 Digital Signal 3 (DS-3) Service

DS-3 Service is a dedicated, high capacity, full duplex channel with a line speed of 44.736 Mbps isochronous serial data with a line code of bipolar with three zero substitution (B3ZS). DS-3 Service has the equivalent capacity of 28 DS-1 Services at 1.544 Mbps or 672 DS-0 Services at 56/64 Kbps. DS-3 channels are provided between customer-designated locations and/or between customer-designated locations and a carrier's hub. DS-3 is available with an electrical interface. As an option, DS-3 Service may be provided to a customer with an optical interface at the customer's premises. Services with this option will terminate in the carrier's optical line terminating equipment (OLTE) located in the carrier's hub. The OLTE located at the customer's premises is subject to the mutual agreement of the parties, and must be compatible with the OLTE located in carrier's hub. The OLTE option is available only where facilities permit.

At this time, DS-3, both with and without the OLTE option, are available only on individual contract basis (ICB) arrangements pursuant to Section 5.5.

SECTION 5 – DEDICATED TRANSPORT SERVICE, CONT'D.

5.5 Individual Contract Basis (ICB)

In lieu of the rates otherwise set forth in this catalog, rates and charges, including minimum usage, installation, special construction and recurring charges for the Company's services may be established at negotiated rates on an individual contract basis (ICB), taking into account the nature of the facilities and services, the costs of construction and operation, the volume of traffic, the length of service commitment by the Customer, and use of facilities by other customers. Such arrangements shall be considered Special Pricing Arrangements, the terms of which will be set forth in individual Customer contracts. However, unless otherwise specified, the terms, conditions, obligation and regulation set forth in this catalog shall be incorporated into, and become a part of, said contract, and shall be binding on the Company and the Customer. Specialized rates or charges will be made available to similarly situated customers on a non-discriminatory basis.

In addition to any rate or charge established by the Carrier, the Customer will also be responsible for any recurring or non-recurring charges imposed by local exchange telephone companies incurred by or on behalf of the Customer in establishing and maintaining service. Such charges may be billed by the Carrier or directly by the local exchange company, at the Carrier's option.