

ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises\*, directly, or through a Telephone Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office, or to connect a customer designated premises to a DSL Access Service Connection Point, or to connect a customer designated premises to a Public Packet Data Network Service. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog, digital or optical. Analog connections are differentiated by spectrum and bandwidth. Digital and optical connections are differentiated by bit rate.

When a Special Access Service from this tariff is not required because a Special Access Service, specified in Telephone Company's interstate access tariff, is provided for an interstate service and the same facility is used for intrastate transmission capability, then the Special Access Surcharge from this tariff is not required.

7.1.1 Channel Types

There are eight types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Telephone Company Centrex CO and CO-like switches are considered to be a customer designated premises for purposes of this tariff.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000Hz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Detailed descriptions of each of the channel types are provided in 7.4 through 7.7 following.

The customer also has the option of ordering Voice Grade and High Capacity facilities (e.g., 1.544 Mbps and 44.736 Mbps) to Telephone Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 7.4 and 7.6 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.2.1(C).

For example, a customer may order a 44.736 Mbps High Capacity channel from a customer designated premises to a Telephone Company hub for multiplexing to twenty-eight 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different hub to Voice Grade channels or may be extended to other customer designated premises or hubs. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

Similarly, the customer has the option of ordering Synchronous Optical Channel Service to a wire center equipped for Add/Drop Multiplexing. This allows lower level signals to be added or dropped from a high speed optical carrier channel for delivery to a customer designated premises, WATS office, or another wire center. A description of Add/Drop Multiplexing is set forth in 7.7.3(C) following.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions

For the purposes of ordering, there are five categories of Special Access Service. These are:

Service Designator Codes

Voice	VG
Digital Data	DA
High Capacity	HC

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Part 16. following, optional features and functions are described in this section. Channel interfaces are described in Part 16.2.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel descriptions provided in 7.4 through 7.7 following specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, between hubs, between a customer designated premises and a WATS Serving Office, and between a customer designated premises and a DSL Access Service Connection Point.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in Part 16.2.
- (B) Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in Part 16.2 in a combination format.
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (E) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
- (D) The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in Part 16.2 following, with the optional feature or function listed down the left side and the technical specifications package listed across the top.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

(E) All services installed will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-TSY-000335 PUB 41004, Table 4
Digital Data	TR-NWT-000341
For 2.4, 4.8, 9.6 & 56.0 Kpbs	Telecordia Technologies, Inc. Pub 62310 (MDP-326-726)
For 19.2 Kbps	INC Bulletin CB-INC-100
For 64.0 KbpsA	T&T PUB 62310
High Capacity	TR-INS-000342 TR-NPL-000054 PUB 62411

7.1.3 Service Configurations

There are three types of service configurations over which Special Access Services are provided: two-point service, and multipoint service.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Descriptions (Cont'd)

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and a WATS Serving Office (WSO), or a customer designated premises and a DSL Access Service Connection Point.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

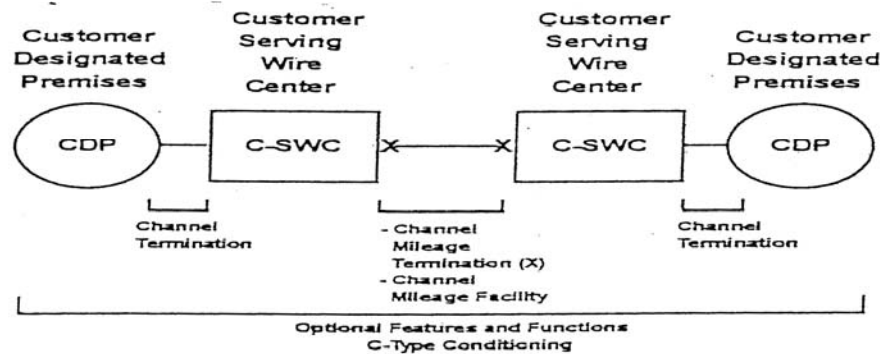
7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

The following diagram depicts a two-point Voice Grade service connecting two customer designated premises (CDP). The service is provided with C-Type conditioning.



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)\*
- Channel Mileage\*\*
  - 2 Channel Mileage Terminations plus
  - 1 section, Channel Mileage Facility per mile
- C-Type Conditioning Optional Feature

\* This rate element does not apply when a Channel Termination rate element, specified in the Telephone Company's interstate access tariff, applies for an interstate service and the same facility is used for intrastate calls.

\*\* This rate element does not apply when a Channel Mileage rate element, specified in the Telephone Company's interstate access tariff, applies for an interstate service and the same facility is used for intrastate calls.



ACCESS SERVICE

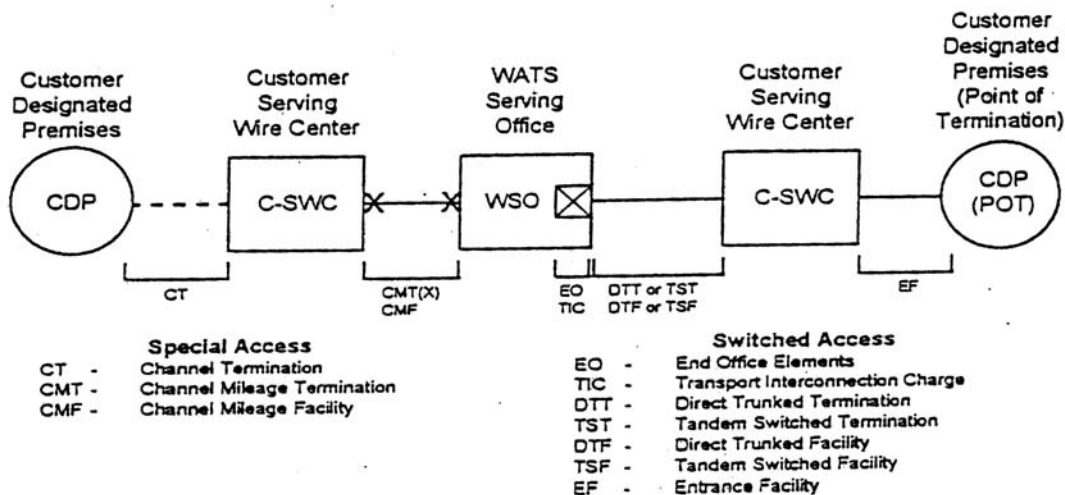
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

The following diagram depicts a two-point Voice Grade service connecting a customer designated premises to a WATS serving office.



Applicable rate elements for Special Access are:

- Channel Terminations  
 Channel Mileage
- 2 Channel Mileage Terminations plus  
 1 section, Channel Mileage Facility per mile

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
 President  
 Westphalia Broadband, Inc.  
 109 E. Main Street  
 Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint Service connects three or more customer designated premises through one or more Telephone Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2, and Part 16.2 following will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging hub(s). NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between serving wire center for each customer designated premises and the hub and between hubs).
- Bridging
- Additional Optional Features and Functions (when applicable).

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

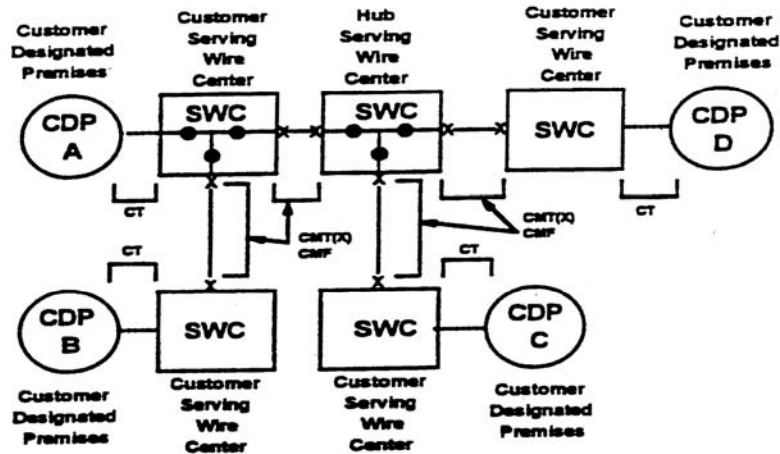
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Example: Voice Grade multipoint service connecting four customer designated premises (CDP) via two customer specified bridging hubs.



- CT - Channel Termination
- CMT - Channel Mileage Termination
- CMF - Channel Mileage Facility
- - Bridging Port

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage
  - 2 Channel Mileage Terminations per Channel Mileage Facility section for a total of 8, plus
  - 4 sections, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(C) Reserved for Future Use

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Part 10, Specialized Service or Arrangements.

The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Channel Terminations, Channel Mileage (as applicable)].

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Part 10.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test the following at the time of installation.

- (A) For Voice Grade analog services, acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For digital services (i.e., Digital Data and High Capacity) service, acceptable tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in 12.3.1 (B), is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Part 5. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.2.1(A))
- Channel Mileage (described in 7.2.1(B))
- Optional Features and Functions (described in 7.1.2(C))

(A) Channel Terminations

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in (C) following.

One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(A) Channel Terminations (Cont'd)

For DS3 High Capacity Service, The Channel Termination rates are made up of the DS3 Capacity Interface rate and the DS3 Channel Installed rate. The Capacity Interface rate is dependent upon the capacity ordered (i.e., Capacity Interface of 1, 3, 6 or 12) and is applicable at each customer designated premises. The capacity ordered is the maximum number of DS3 services that can be terminated on a given service at the customer designated premises (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 services). One DS3 Channel Installed rate applies per customer designated premises at which the channel is terminated for each DS3 channel that is ordered. These charges will apply even if the customer designated premises and the serving wire center are collocated in the Telephone Company building.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with an customer designated premises and a Telephone Company hub between two Telephone Company hubs, between a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire center and/or hub(s) or between the Telephone Company serving wire center and another wire center equipped for Frame Relay Access Service.

(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination (Cont'd)

If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination Rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. If the Channel Mileage is between the serving wire center for a customer designated premises and another wire center equipped for Frame Relay Access Service, the Channel Mileage Termination Rate will apply only at the serving wire center for the customer designated premises.

When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

Descriptions for each of the available Optional Features and Functions are set forth in 7.4.3, 7.5.3 and 7.6.3.

A hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions are performed to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub) and the type of bridging or multiplexing functions available. Additionally, subtending wire centers are identified for Intermediate and Super-Intermediate Hubs.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring rates. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

(B) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that Special Access Service is provided for part-time use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. Part-time service provided within a consecutive 30 day period will be charged the daily rate, not to exceed the monthly rate. For each day or partial day after a consecutive 30 day period of service, a charge equal to 1/30th of the monthly rate shall apply.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order charge as specified in Part 8.4.1.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changes subsequent to the installation of service an Access Order Charge as specified in 8.4.1 following will apply per order.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

Service Rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in Part 5.4.

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in 7.2.3.

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.2(A) where there is no change in facilities or arrangements, the change will be treated as an administrative change.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when change of address is not result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 8.4.1.
- If the change involves the addition of an optional feature or function, or

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangments (Cont'd)

- If the change involves the addition of an optional feature or function (with the exception of the addition of Clear Channel Capability to an existing service), or if the change involves changing the type of signaling on a Voice Grade service, and for all other changes, the Access order charge as set forth in 8.4.1 following will apply.
- When the Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply.

7.2.3 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in 8.4.1.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.3 Moves (Cont'd)

(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.2.4 Minimum Periods

The minimum service period for all services except part-time DS3 High Capacity Service is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F). The minimum service period for DS3 High Capacity Service is twelve months.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Mileage Measurement

The mileage to be used to determine the monthly rate for Channel Mileage Facility is calculated on the airline distance between the locations involved, i.e.,

- the serving wire centers associated with two customer designated premises,
- a serving wire center associated with a customer designated premises and a Telephone Company hub,
- a serving wire center associated with a customer designated premises and a DSL Access Service Connection Point,
- two Telephone Company hubs,
- a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing,
- two wire centers equipped for Add/Drop Multiplexing,
- or between the serving wire center associated with a customer designated premises and a WATS Serving Office,
- a serving wire center associated with a customer designated premises and a DSL Access Service Connection Point.

The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

Mileage charges are shown with each channel type. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. When more than one Telephone Company is involved in the provision of service, billing will be accomplished as set forth in 2.4.7 preceding.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Mileage Measurement (Cont'd)

When hubs are involved, mileage is computed and rates applied separately for each station of the Channel Mileage, i.e.,

- customer designated premises serving wire center to hub,
- hub to hub and/or
- hub to customer designated premises serving wire center.

However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing, (e.g., Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

See the service configuration example for multipoint service as set forth in 7.1.3(B).

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.6 Facility Hubs

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub.

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub) and the type of multiplexing functions available. Additionally, subtending wire centers are identified for Intermediate and Super-Intermediate Hubs.

Some types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.6 Facility Hubs (Cont'd)

Cascading multiplexing occurs when a High Capacity service is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a 6.312 Mbps High Capacity service is de-multiplexed to four DS1 channels and then one of the DS1 channels is further de-multiplexed to 24 individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Channel Mileage charges also apply between the hubs.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use

Mixed Use refers to a rate applicable when the customer orders High Capacity Access facilities between a customer designated premises and a Telephone Company hub or ADM equipped wire center where the Telephone Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Telephone Company hub or ADM equipped wire center and the same customer then orders the derived channels as Special and Switched Access Service. Rates and charges will apply for the existing facilities and new facilities as if the service were ordered as mixed use.

Except as noted above, the High Capacity Service facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Add/Drop

Multiplexing). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination.

Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed use facility.

When Special Access Service, is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use, (Cont'd)

The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent upon the specific type of Special Access Service that is provided (e.g., Voice Grade). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

As each individual channel of a Special Access High Capacity Service is activated for Switched Access Service, the Special Access Channel Termination, Channel Mileage, and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for a DS3 Service, etc.).

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use, (Cont'd)

Switched Access Service rates and charges, as set forth in Part 8.2, will apply for each channel that is used to provide a Switched Access Service. The Switched Access Service Entrance Facility charge will be reduced by multiplying its rate by a rate reduction factor (i.e., the ratio of derived Switched Access Service channels to the total number of channels that can be derived). If the Telephone Company is providing Direct Trunked Transport, then the Direct Trunked Transport, Multiplexing, Customer Node, Customer Premises Port, and Add/Drop Multiplexing charges will be reduced by multiplying their respective rates by the rate reduction factor.

The following table shows the total voice grade equivalents for each of the services that may be used for Mixed Use.

High Capacity	DS3 Quantities	DS1 Quantities	Voice Grade Equivalents
DS1	n/a	1	24
DS3	1	28	672

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Held for Future Use

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service

7.4.1 Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company hub or between a customer designated premises and a WATS Serving Office (WSO).

Voice Grade Special Access Services are typically used for voice grade and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multi-point private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Voice Grade Service are as set forth in 8.3.2.

7.4.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Part 16.2.1(C). Compatible network channel interfaces are set forth in 16.2.2(C)(3).

7.4.3 Optional Features and Functions

(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telephoto Bridging (two-wire and four-wire)

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(A) Central Office Bridging Capability (Cont'd)

- (4) Telemetry and Alarm Bridging
  - Split Band, Active Bridging
  - Passive Bridging
  - Summation, Active Bridging

The rates for these options are set forth in 8.3.1(C)(1).

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(B) Conditioning

(1) Data Capability (D Conditioning)

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or three-point multipoint service.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 8.3.2(C)(2) following.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(2) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 8.3.2(C)(2) following.

(3) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type network channel interfaces.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(C) Customer Specified Premises Receive Level

This option allows the customer to specify the level at the Point of Termination. The level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 8.3.2(C)(4) following.

(D) Improved Return Loss

- (1) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 8.3.2(C)(3) following.
- (2) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 8.3.2(C)(3) following.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(E) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged for four-wire Channel Termination rate as set forth in 8.3.3 when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic Channel Termination rate.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Voice Grade Service (Cont'd)

7.4.3 Optional Features and Functions (Cont'd)

(F) Improved Two-Wire Voice Transmission

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected measured Loss (EML) is -4.0 dB to +4.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnc0
51 to 100	37 dBrnc0
101 to 200	40 dBrnc0
201 to 400	43 dBrnc0
401 to 1000	45 dBrnc0

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

The rate for the provision of Improved Two-Wire Voice Transmission is included as part of the basic Channel Termination rate.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Digital Data Services

7.5.1 Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0\* kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided as either hubbed or non-hubbed services between customer designated premises or between a customer designated premises and a Telephone Company designated hub or hubs. The hubs providing hubbed digital service and the wire centers providing non-hubbed digital service are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., WIRE CENTER INFORMATION, TARIFF F.C.C. No. 4.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises.

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.87% error free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Rates and charges for Special Access Digital Data service are as set forth in 8.3.2.

7.5.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Part 16.2.1(F) following. Compatible channel interfaces are set forth in Part 16.2.2(C) (6) following.

\*When 64.0 Kpbs service is multiplexed on a DS1 High Capacity service, the DS1 must be equipped to provide Clear Channel Capability.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Digital Data Service (Cont'd)

7.5.2 Technical Specifications Packages and Network Channel Interfaces  
(Cont'd)

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data channel:

<u>NCI</u>	<u>Bit Rate</u>
DU-56	56.0 Kbps
DU-64	64.0 Kbps

7.5.3 Optional Features and Functions

The Optional Features and Functions described in (A), (B), (C) and (D) following are only available where Digital Data Service is provided via a hub. The Optional Features and Functions described in (D) following are available where Digital Data Service is provided on a non-hubbed basis.

(A) Central Office Bridging Capability  
Bridging is not available on a 64.0 Kbps channel.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

---

Issued: September 29, 2004x

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service

7.6.1 Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps\* or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs. In addition, 1.544 Mbps and 44.736 Mbps High Capacity Service channels may be provided between a customer designated premises and a Telephone Company designated DSL Access Service Connection Point.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

A channel with technical specifications package HCI will be capable of an error free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62411.

Rates and charges for Special Access High Capacity Service are as set forth in 8.3.4 following.

\* Available only as a channel of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Part 16.2.1(G) following. Compatible channel interfaces are set forth in Part 16.2.2(C) (7).

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

<u>NCI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

\* A 64.0Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Telephone Company hub.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions

(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(C) Central Office Multiplexing

(1) DS4 to DS1

An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing.

(2) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(3) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

(4) DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

(5) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data Service.

(6) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(C) Central Office Multiplexing (Cont'd)

(7) DS0 to Subrate

An arrangement that converts 64.0 kbps channel to sub-speeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels using digital time division multiplexing.

The table set forth in 16.2.1(G) following shows the technical specifications packages with which the optional features and functions are available.

(D) Clear Channel Capability (CCC)

- (1) CCC is an arrangement that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity channel or over a 1.544 Mbps High Capacity channel derived from a multiplexed 44.736 Mbps High Capacity channel with no constraint on the quantity or sequence of one and zero bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference TR-NPT-000054 and Technical Reference TR-INS-000342.
- (2) CCC is provided, subject to availability of facilities, on DS1/1.544 Mbps High Capacity channels between two customer designated premises and on multiplexed DS1/1.544 Mbps High Capacity channels\* between a Telephone Company hub office and a customer designated premises. The wire centers providing CCC are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., WIRE CENTER INFORMATION, TARIFF F.C.C. NO. 4.
- (3) The CCC optional feature may be ordered at the same time the High Capacity service is ordered or it may be ordered as an addition to an existing High Capacity Service. The customer must agree to out-of-service periods required at add this feature to an existing High Capacity Service. The charges for the CCC optional feature are as set forth in 7.2.2(C) (3) preceding.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 High Capacity Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(E) DSL Access Service Connection

The DSL Access Service Connection function provides for the interconnection of a 1.544 Mbps or 44.736 Mbps High Capacity Service with ADSL Access Service as Described in 8.1, following and Technical Reference ANSI T1.413-1998, and with SDSL Access Service.

Rates and charges for the DSL Access Service Connection function are as set forth in Part 8. This function applies to each 1.544 Mbps or 44.736 Mbps High Capacity Service terminated at an DSL Access Service Connection Point.

7.7 Individual Case Filings

Certain services set forth in Special Access Service, Part 7 are provided on an Individual Case Basis. Rates and charges for Special Access Service provided on an Individual Case Basis are set forth in 8.3.5.

---

Issued: September 29, 2004

Effective: October 1, 2004

David A. Fox  
President  
Westphalia Broadband, Inc.  
109 E. Main Street  
Westphalia, MI 48894