

October 2, 2020

Ryan McAnany
Acting Director, Telecommunications Division
Michigan Public Service Commission
7109 W. Saginaw Hwy.
P.O. Box 30221
Lansing, MI 48909

RE: Michigan Central Broadband Company Tariff M.P.S.C. No. 7R

TAM Transmittal No. 2

Dear Mr. McAnany:

Enclosed for filing is one copy of Michigan Central Broadband Company's revisions to Tariff M.P.S.C. No. 7R pursuant to PA 179 of 1991, as amended, MCL 484.2101 et seq. This filing does the following:

- 1. Eliminates the definitions of terms which are no longer used;
- 2. Clarifies language on the application of business and residence rates;
- 3. Revises the language pertaining to ownership, maintenance, and repairs of equipment and facilitates to clarify that Company responsibility extends only up to and including the point of the network interface;
- 4. Revises and expands the provisions on the limitations on the liability of the Company;
- 5. Revises the provisions concerning customer advance payments and deposits;
- 6. Provides that the adjustment of charges for billing errors may not exceed a period of one year prior to the date the adjustment was requested, and the adjustment may be made in the form of a refund or bill credit at the option of the Company;
- 7. Provides that cancellation of service may be made 3 days after written notice to the customer.

Michigan Central Broadband Company Tariff M.P.S.C. No. 7R and the sheets that contain changes can be viewed at http://www.telecommich.org/mbs. The effective date of these changes is October 5, 2020.

If you have any questions regarding the above, please contact our office.

Yours truly,

Scott Stevenson President

1st Revised Preface Sheet No. 1 Cancels Original Preface Sheet No. 1

MICHIGAN CENTRAL BROADBAND COMPANY

Schedule of

GENERAL REGULATIONS

Applying in the Exchanges of this Company
In Michigan as listed in the Company's
Tariff MPSC No. 1R

SUBJECT INDEX

Sheet Number	<u>Subject</u>	
13	Advance Payments	
18-19	Airline Mileage	
6	Application of Business and Residence Rates	
1	Application of Regulations	
12	Applications for Service	
10	Availability of Facilities	
14	Cancellation After Written Notice	(N)
9	Defacement of Premises	
2-5	Definitions	<i>-</i>
		(D)
9	Directory Errors and Omissions	
		(D)
1	Explanation of Symbols	
16	Extension Line Facility Charges	
15-16	Extension of Line Facilities	
12	Initial Period of Service	
9.1-9.2	Liability of the Company	(N)
9	Liability for Damages	
7-8	Location and Use of Telephone Service	
11	Maintenance and Repairs	
11	Ownership of Company-Provided Lines and Equipment	
13	Payment Provisions	
10	Priority of Service	
10	Provision and Ownership of Directories	
10	Provision of Equipment	
16-17	Service Drops	
13	Temporary Disconnection for Nonpayment Termination	
12	of Service	
1	Undertaking of the Telephone Company	
9	Use of Lines of Other Companies	

Issued: October 2, 2020 Effective: October 5, 2020

1st Revised Preface Sheet No. 3 Cancels Original Preface Sheet No. 3

CHECK LIST

1st Revised Preface Sheet No. 1	Effective October 5, 2020
1st Revised Preface Sheet No. 2	Effective October 5, 2020
1st Revised Preface Sheet No. 3	Effective October 5, 2020
1st Revised Sheet No. 1	Effective October 5, 2020
1st Revised Sheet No. 2	Effective October 5, 2020
1st Revised Sheet No. 3	Effective October 5, 2020
1st Revised Sheet No. 4	Effective October 5, 2020
1st Revised Sheet No. 5	Effective October 5, 2020
1st Revised Sheet No. 6	Effective October 5, 2020
1st Revised Sheet No. 7	Effective October 5, 2020
1st Revised Sheet No. 8	Effective October 5, 2020
1st Revised Sheet No. 9	Effective October 5, 2020
1st Revised Sheet No. 10	Effective October 5, 2020
1st Revised Sheet No. 11	Effective October 5, 2020
1st Revised Sheet No. 12	Effective October 5, 2020
1st Revised Sheet No. 13	Effective October 5, 2020
1st Revised Sheet No. 14	Effective October 5, 2020
1st Revised Sheet No. 15	Effective October 5, 2020
1st Revised Sheet No. 16	Effective October 5, 2020
1st Revised Sheet No. 17	Effective October 5, 2020
1st Revised Sheet No. 18	Effective October 5, 2020
1st Revised Sheet No. 19	Effective October 5, 2020

APPLICATION

A. APPLICATION OF REGULATIONS

- 1. These regulations apply to intrastate services and facilities furnished by Michigan Central Broadband Company, hereinafter referred to as the Telephone Company or Company.
- 2. When services and facilities are provided in part by the Telephone Company and in part by other companies, the regulations of the Telephone Company apply to that portion of the service or facilities furnished by it.

B. UNDERTAKING OF THE TELEPHONE COMPANY

- 1. The Telephone Company does not undertake to transmit messages but offers the use of its facilities for the transmission of communications.
- 2. The calling party and the called party are required to establish their identities to each other as may be necessary in the course of the communication and the responsibility for so doing rests with those parties.

C. EXPLANATION OF SYMBOLS

- (C) Signifies a changed regulation.
- (D) Signifies a discontinued rate, treatment or regulation.
- (I) Signifies an increased rate or new treatment resulting in an increased rate.
- (N) Signifies a new rate, treatment or regulation.
- (R) Signifies a reduce rate or new treatment resulting in a reduced rate.
- (T) Signifies a change in text but no change in rate or treatment regulations.

1st Revised Sheet No. 2 Cancels Original Sheet No. 2

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GENERAL REGULATIONS

DEFINITIONS

Authorized User

An "Authorized User" is a person, firm or corporation (other than the Customer) on whose premises a station on the private line service or Channel is located and who may communicate over the private line or Channel according to the terms of the Tariffs. An Authorized User must be specifically named in the service contracted.

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Channel

"Channel" designates the electrical path provided by the Telephone Company between two or more stations.

Contract

"Contract" refers to a written service agreement between a Customer and the Telephone Company.

Customer

"Customer" refers to the person, firm or corporation who is responsible for the payment of charges, the use of service, and the compliance with the rules and regulations of the Telephone Company.

Drop Service

"Drop Service" refers to the connection of an Exchange (other than the two terminal Exchanges) to a private line service or Channel.

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1st Revised Sheet No. 3 Cancels Original Sheet No. 3

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GENERAL REGULATIONS

DEFINITIONS (Continued)

Exchange

"Exchange" means a unit established for the administration of the telephone service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated plant used in furnishing communications service within that area. The geographic boundary of an Exchange is set forth in the Company's Tariff 1R.

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InterExchange Channel

"InterExchange Channel" applies to that portion of the Channel which interconnects the Exchange in which the stations are located.

Local Channel

"Local Channel" applies to that portion of a Channel which connects a station to the InterExchange Channel; it also applies to a Channel connecting two or more stations within an Exchange area.

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DEFINITIONS (Continued)

Private Branch Exchange

A "Private Branch Exchange", or Private Branch Exchange System, is an arrangement of equipment consisting of a switchboard with an operating telephone situated on a Customer's premises, stations connected with the switchboard, and connected by trunks with a central office, providing for interconnection between those stations, and for communication with the general exchange system of the Telephone Company and for toll service.

Service Point

"Service Point" when used in connection with interexchange mileage measurements denotes the rate center of the Exchange in which the status of the Customer is located. Where a station is not located in an Exchange the location of the station is considered to be the rate center for the purpose of this definition.

Serving Central Office

"Serving Central Office" denotes the central office from which a Customer or Authorized User would normally be served for local telephone service.

Single and Duplex Service

"Single Service" and "Duplex Service" denote types of arrangements of an InterExchange Channel provided for Private Line Morse or Private Line Services. "Single Service" provides for communications at any one time in either direction, but not for communications in both directions simultaneously or for communications in one direction only. "Duplex Service" provides for communications in two directions on the same service simultaneously.

DEFINITIONS (Continued)

<u>Station</u>

"Station" refers to the transmitting and receiving equipment; the term "Station" as used in connection with Channels denotes the premises of a Customer at which the Channel terminates.

Temporary Service

"Temporary Service" designates private line service furnished for a period of less than one month.

Terminal

"Terminal" designates each of the two stations connected on a private line which are the farthest apart via the selected pricing route.

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GENERAL REGULATIONS

CLASSIFICATION AND USE OF TELEPHONE SERVICES

A. APPLICATION OF BUSINESS AND RESIDENCE RATES

- The classification of telephone service as Business or Residence is based on the character of the
 use to be made of the service. Service is classified as business service where the use is primarily
 or substantially nature. Where the business use, if any, is incidental and where the major use is
 of a social or domestic nature, service is classified as residence service if installed in a
 residence.
- 2. Business rates apply at the following locations, among others:
 - a. In offices, stores and factories, and in quarters occupied by clubs, lodges, fraternal societies, schools, colleges, libraries, hospitals and other business establishments.
 - b. 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.
 - c. In the residence of a practicing physician, dentist, veterinarian, surgeon or other medical practitioner who has no service at business rates at another location.
 - d. In any residence location where there is substantial business use of the service and the Customer has no service elsewhere at business rates.
- 3. Residence rates apply at the following locations, among others:
 - a. In private residences; in the residential portion of hotels, apartment houses, boarding houses, churches, or institutions when the use of the service is confined to the domestic use of the Customer and the listings of a business character are not furnished.
 - b. In the residence of a practicing physician, dentist, veterinarian, surgeon, nurse, or other medical practitioner provided that such residence is not a part of an office building and provided the Customer has service charged for at business rates at another location.

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CLASSIFICATION AND USE OF TELEPHONE SERVICES (Continued)

B. LOCATION AND USE OF TELEPHONE SERVICES

- 1. The service and facilities furnished are intended only for communications in which the Customer or Authorized User has a direct interest and shall not be used for any purpose for which a payment or other compensation shall be received by them or either of them from any other person, firm or corporation for such use, or in the collection, transmission or delivery of any communications for others except that these provisions do not apply to the handling of messages accepted for transmission by Customers who are engaged in public telegraph business nor to such other cases as are specifically referred to in the Telephone Company's Tariffs, nor where such use is casual.
- 2. Use of Business and Residence Telephone Services:
 - a. Business subscriber telephone service as distinguished from Paystation Service and excluding service in hotels is furnished only for use by the Customer, his employees and representative except as otherwise provided in the Telephone Company's Tariffs.
 - b. Residence telephone service is furnished only for use by the Customer and members of the Customer's domestic establishment except as use by others is permitted in certain cases as provided for elsewhere in the Regulations or the Telephone Company's Tariffs.
- 3. Residence Service is not permitted in locations where the service is used as an adjunct to business service.

CLASSIFICATION AND USE OF TELEPHONE SERVICES (Continued)

B. LOCATION AND USE OF TELEPHONE SERVICES (Continued)

4. Telephone Numbers:

The Customer has no property right in telephone numbers and the telephone numbers may be changed by the Telephone Company whenever the exigencies of the business so require.

5. Adequacy of Facilities:

The furnishing of certain services and facilities – as off-premises extensions, off-premises Private Branch Exchange Stations, tie lines, Foreign Exchange Service, Foreign Central Office Service – may involve impairment of transmission and in the interest of providing a service satisfactory to all users that might be connected on a call, the Customer may be required to Contract for such equipment in place of, or in addition to, that regularly provided as necessary.

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

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GENERAL REGULATIONS

LIABILITY OF TELEPHONE COMPANY

A. LIABILITY FOR DAMAGES

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B. USE OF LINES OF OTHER COMPANIES

When the lines of other telephone companies are used in establishing connections to the points not reached by the Telephone Company's lines, the Telephone Company is not liable for any act or omission of the other company or companies.

C. DIRECTORY ERRORS AND OMISSIONS

As a part of the service a directory is published from time to time, but as experience demonstrates that errors in or omissions will occur with more or less frequency, the Telephone Company is not liable for errors in or omissions from directories except in cases where specific charge has been made for a listing; in no event shall the Telephone Company be liable for any such error or omission beyond the amount of such charge.

D. DEFACEMENT OF PREMISES

The Telephone Company is not liable for any reasonably unavoidable defacement of, or damage to, the premises of a Customer (or Authorized User) resulting from the attachment of the Telephone Company's instruments, apparatus and associated wiring on such premises or from the installation or removal thereof.

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Liability of the Company

- (E) The liability of the Company for damages arising out of the furnishing of its services, including but not limited to mistakes, omissions, interruptions, out of service, delays, or errors, or other defects, representation, or use of the services or arising out of the failure to furnish the service, whether caused by acts or omission, shall be limited to an amount equivalent to the proportionate charge to the customer for the period of service during which the mistake, omission, interruption, delays, or errors, or defect in transmission occurs. The extension of such amount shall be the sole remedy of the Customer and the sole liability of the Company. The Company will not be liable for any direct, indirect, incidental, special, consequential exemplary or punitive damages to Customer as a result of any Company service, equipment or facilities, or the acts or omissions or negligence of the Company's employees or agents.
- (F) The Company shall not be liable for any delay or failure of performance or equipment due to causes beyond its control, including but not limited to: acts of God, fire, flood, explosion or other catastrophes; any law, order, regulation, direction, actions, or request of the United States Government or any state and local governments having or claiming jurisdiction over the Company, or of any department, agency, commission, bureau, corporation, or other instrumentality of any one or more of these federal, state, or local governments, or of any civil or military authority; national emergencies; insurrections; riots; wars; unavailability of rights-of-way or materials, or strikes, lock-outs, work stoppages, or other labor difficulties when it does not involve the company's employees.
- (G) The Company shall not be liable for any act or omission of any entity furnishing to the Company or to the Company's Customers facilities or equipment used for or with the services the Company offers.
- (H) The Company shall not be liable for any damages or losses due to the fault or negligence of the Customer or due to the failure or malfunction of Customer-provided equipment or facilities.
- (I) Explosive Atmosphere. The Company does not guarantee nor make any warranty with respect to installations it provides for use in an explosive atmosphere. The Customer indemnifies and holds the Company harmless from any and all loss, claims, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted, or asserted by any other party or person(s), and for any loss, damage, or destruction of any property, whether owned by the Customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location, or use of any installation so provided. The Company reserves the right to require each Business Customer to sign an agreement acknowledging acceptance of the provisions of this section 2.1.4(E) as a condition precedent to such installations.

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- (J) The Company shall be indemnified, defended and held harmless by the Customer against any claim, loss or damage arising from Customer's use of services, involving claims for libel, slander, invasion of privacy, or infringement of copyright arising from the Customer's own communications.
- (K) THE COMPANY MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EXCEPT THOSE EXPRESSLY SET FORTH HEREIN.

PROVISION, OWNERSHIP AND MAINTENANCE OF FACILITIES

A. PROVISION OF EQUIPMENT

Where service is to be established at a location that would involve undue hazards to employees of the Telephone Company, the Customer may be required to install and maintain equipment and facilities in a manner satisfactory to the Telephone Company, the remuneration to be based on the conditions involved.

B. AVAILABILITY OF FACILITIES

The Telephone Company's obligation to furnish service is dependent upon its ability to secure and retain, without unreasonable expense, suitable facilities and rights for the construction and maintenance of the necessary circuits and equipment.

C. PRIORITY OF SERVICE

In case a shortage of facilities exists at any time either for temporary or protracted periods, the establishment of telephone service takes precedence in the furnishing of any service or facility.

D. PROVISION AND OWNERSHIP OF DIRECTORIES

The Telephone Company distributes to its Customers without charge such directory information as is generally necessary for the efficient use of the service. Additional directories or information may be furnished as available at a reasonable charge.

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GENERAL REGULATIONS

PROVISION, OWNERSHIP AND MAINTENANCE OF FACILITIES (CONT'D)

E. OWNERSHIP OF COMPANY-PROVIDED LINES AND EQUIPMENT

- 1. Equipment, instruments and lines furnished by the Telephone Company on the premises of a customer, authorized user, or agent of the Telephone Company are the property of the Telephone Company up to and including the point of the network interface and are provided upon the condition that such equipment, instruments and lines must be installed, relocated and maintained by the Telephone Company, and that the Company's agents and employees may enter said premises at any reasonable hour for the purpose of installing, inspecting or repairing the instruments and lines or for the purpose of making collections from coin boxes or upon termination or cancellation of the service for the purpose of removing such instruments and lines.
- Equipment furnished by the Telephone Company shall, upon termination of service from any cause whatsoever, be returned to it in good condition, reasonable wear and tear thereof excepted.
- 3. In case of damage, loss or destruction of any of the Company's instrumentalities while in the possession of the customer or authorized user and not due either to ordinary wear and tear or to fire, storm or other like casualty, the customers shall be responsible for the value of the equipment lost or destroyed, or for the cost of restoring the equipment to its original condition, as the case may be.

F. MAINTENANCE AND REPAIRS

- 1. All expense of maintenance and repair, in connection with equipment, facilities and services furnished by the Telephone Company up to and including the point of the network interface, unless otherwise specified herein or elsewhere in the Telephone Company's Tariffs, is borne by the Telephone Company.
- 2. A customer (or authorized user) may not rearrange, disconnect, reconnect, remove or attempt to repair, or permit others to rearrange, disconnect, reconnect, remove or attempt to repair any instruments, apparatus or wiring furnished or owned by the Telephone Company, except upon the written consent of the Telephone Company. Where it is found that unauthorized work has been done by the customer, authorized user or his agents, charges will be made as if the work had been done by the Telephone Company.

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ESTABLISHMENT AND FURNISHING OF SERVICE AND FACILIITIES

A. APPLICATIONS

Applications for service and facilities made orally or in writing become effective upon the establishment of the service or facility.

B. INITIAL PERIOD OF SERVICE

Unless otherwise specified herein or elsewhere in the Telephone Company's tariffs, the minimum service period is one month from the date service is established, and the minimum charges is the established rate for one month.

C. TERMINATION OF SERVICE

- 1. Customer, including but not limited to Foreign Exchange Customer, Private Branch Exchange Services, etc., may be required to enter into a Contract to compensate the Telephone Company for its loss in the event service is prematurely disconnected.
- 42. Where service is canceled before establishment of service is completed, a charge equal to the costs incurred by the Telephone Company, not to exceed the minimum service charge specified, is applied if all or a portion of the facilities have been installed.
- 23. The Customer is required to pay only the charges for the period during which service or facilities have been furnished no minimum or termination charges being applied when the use of the service or facilities is terminated because of the condemnation, destruction, or damage of property by fire or other cause beyond the control of the Customer, which renders the premises unfit for occupancy.

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GENERAL REGULATIONS

PAYMENTS AND DEPOSITS

A. PAYMENT PROVISIONS

- 1. The Customer shall pay for services and facilities in advance except as otherwise provided elsewhere in the Telephone Company Tariffs and shall pay for local messages in excess of the allowance (on message rate service), toll messages (including charges for messenger service), Exchange Service messages, and moves and changes when billed.
- 2. The Customer assumes responsibility for all charges on messages originating at equipment and for messages received, unless another party assumes responsibility for payment of a call under an arrangement mutually agreeable to the Telephone Company and the other party.
- 3. Charges are payable at the Telephone Company's Business Office, by mail, by credit card online, or by automatic deduction from a savings or checking account.
- 4. Charges for a fractional part of a month are computed on the basis on a thirty-day month.
- 5. No Customer will be liable for net under-billed service after one year except when the service was obtained by the Customer by fraud or deception. Corrections of billing errors will be made for a period of one year from the date the customer requests an adjustment. The adjustment will be in the form of a bill credit or refund at the option of the company.

B. ADVANCE PAYMENTS

Applicants may be required to pay at the time the application is made such special construction charges as are to be borne by the applicant – except in the case of Federal, State, or Municipal governmental agencies.

C. DEPOSITS

D. TEMPORARY DISCONTINUANCE FOR NONPAYMENT

Where service has been temporarily discontinued in accordance with the provisions of this Tariff and/or by law, and the service is re-established, a Non-Pay Reconnect charge applies, and, if applicable, other charges will be billed to Customer.

DISCONTINUANCE OF SERVICE FOR CAUSE

A. GENERAL

- 1. For cause as provided herein, and without incurring any liability, the Telephone Company may discontinue the furnishing of a service or facility to Customer.
- 2. Where service is discontinued on the initiative of the Telephone Company, the regulations covering termination charges apply as in the case of termination of service at the Customer's request.

B. CANCELLATION AFTER WRITTEN NOTICE

- 1. Under any of the following conditions in (a) through U), discontinuance or termination by the Telephone Company may be made three (3) days after furnishing a written notice by first class mail to the customer or his agent at the address to which bills for the service or facility are sent, or personally served at least 3 days prior to the date of the proposed discontinuance. Service of notice by mail is complete upon mailing, unless proven otherwise. A telephone utility shall maintain an accurate record of the date of mailing:
 - a. Nonpayment of a delinquent account.
 - b. Failure to post a cash security deposit or other form of guarantee.
 - c. Unauthorized interference with or use of the telephone utility service situated on or about the customer's premises.
 - d. Failure to comply with the terms and conditions of a Settlement Agreement.
 - e. Refusal to grant access at reasonable times to equipment installed upon the premises of the customer for the purpose of inspection, maintenance, or replacement.
 - f. Misrepresentation of identity for the purpose of obtaining telephone utility service.
 - g. Improper use of a party line service, including interference with an equitable proportionate use of the service by other customers on the line.
 - h. Violation of any other rules of the telephone utility on file with, and approved by, the Commission, which adversely affects the safety of the customer or other persons or the integrity of the utility's telephone system.
 - In the event the character of use of a service is not in accordance with the class of service contracted for, and the customer refuses to contract for a proper class of service.
 - j. The use of service or facilities of the Telephone Company for a call or calls, anonymous or otherwise, if in a manner reasonably to be expected to frighten, abuse, torment, or harass another.

Issued: October 2, 2020 Effective: October 5, 2020

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CONSTRUCTION REGULATIONS

CONTRUCTION, INSTALLATION, AND MAINTENANCE CHARGES

EXTENSION OF LINE FACILITIES

A. GENERAL

- 1. An extension of Telephone Company facilities in locations where Telephone Company facilities currently do not exist will generally be made as follows:
 - a. Cable Line extensions requiring cable will be placed for a distance of 1000 feet per residence or per business customer without charge to the customer requesting service. A facility charge will apply to the customer for a line extension in excess of this standard allowance (1000 feet).
 - b. (1) Private Property Trench or conduit on private property shall be provided at the expense of the property owner or the property owner's representative(s), i.e., developer, customer, etc. The structure shall meet the company's design standards and shall be owned and maintained by the property owner or property owner's representative(s). Cable place in or on these structures shall be owned and maintained by the Telephone Company.
 - (2) Platted Subdivisions and Mobile Home Parks Line extensions to platted subdivisions and mobile home parks will be made as part of the Telephone Company's regular construction program.
 - c. Other Trench or conduit placed in situations other than private property, i.e., public or private right-of-way, easements, etc., will be placed, owned and maintained by the Telephone Company.
- 2. Provision of Private Right-of-Way

Where required by the conditions, applicants shall provide without expense to the Telephone Company, private right-of-way parallel to the public highway; such right-of-way shall be free from tree interference and otherwise suitable.

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CONSTRUCTION REGULATIONS

CONTRUCTION, INSTALLATION, AND MAINTENANCE CHARGES

EXTENSION OF LINE FACILITIES (CONT'D)

B. EXTENSION LINE FACILITY CHARGES

1. The Telephone Company and the developer, builder, owner or authorized representative will enter into a written Contract for provision of the requested line extension. The Company will not begin construction until an agreement has been executed and payment of the facility charge has been made.

C. SERVICE DROPS

- Service Drops are provided either by aerial facilities on poles of the Telephone Company or of other companies – or by underground facilities (buried). The type of facilities used is determined by the Telephone Company from the conditions involved. For facilities of the type so determined, the following treatment applies:
 - a. A service drop measuring not more than 250 feet is provided without construction charge. For the measured distance in excess of the 250-foot allowance, a facility charge applies as described elsewhere in the Company's Tariffs.
 - b. The measurement is the airline distance from the center of the highway paralleling the general distribution plant (located on or off the highway) to the terminal or drop at the Customer's building, or the airline distance from the distribution plant to that terminal, whichever is shorter.
- 2. When from the conditions involved the Telephone Company determines that an aerial service drop should be provided and in lieu thereof the applicant desires underground or buried facilities, or when aerial facilities are used to provide service or Channels to a Customer and subsequently the Customer requests that such facilities be placed underground, the following applies:
 - a. Where cable is laid in conduit, the underground conduit shall be constructed and maintained by or at the expense of the Customer and in addition the Customer shall pay the cost of the underground cable including the cost of installing it less the estimated cost to the Telephone Company of installing such aerial facilities (not in excess of he 250-foot allowance specified in A.1.a.) as would be (or is) required to furnish the same service. The underground conduit shall be constructed in accordance with plans and specifications furnished by the Telephone Company; ownership of the conduit is retained by the Customer.

The duct or ducts required in the underground conduit by the Telephone Company to furnish service shall e reserved for its exclusive use.

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CONSTRUCTION REGULATIONS

CONTRUCTION, INSTALLATION, AND MAINTENANCE CHARGES

SERVICE DROPS EXTENSION OF LINE FACILITIES

C. SERVICE DROPS (Continued)

- b. Cable installed in conduit will be maintained and replaced at the expense of the Telephone Company where the conduit has been inspected in place by the Telephone Company and approved, but repairs or replacements of the cable in conduit or trench made necessary by damages caused by the Customer or the Customer's representatives will be made only at the Customer's expense.
- c. Where facilities are changed from aerial to underground or buried, in addition to the above, the Customer is charged the cost of dismantling and removing the aerial facilities in addition as described.

D. COMPUTATION OF FACILITY CHARGE

- 1. The facility charge will be based on cost for service wire for extensions in excess of the standard allowances.
- 2. All service drops facilities so constructed shall be the property of the Telephone Company.

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CONSTRUCTION REGULATIONS

MILEAGE MEASUREMENTS

- A. AIRLINE MILEAGE (Except for Message Toll Service)
 - 1. Interexchange airline distances are measured between the points involved.
 - 2. For the purpose of determining airline mileages, vertical and horizontal grid lines have been established across Michigan. The spacing between adjacent vertical grid lines and between horizontal grid lines represents a distance of one coordinate unit. This unit is the square root of 0.1, expressed in airline miles. A four-digit vertical (V) and four-digit horizontal (H) coordinate is computed for each rate center from its latitude and longitude location by use of appropriate map projection equations. A pair of V-H coordinates locates a rate center, for determining airline mileages, at a particular intersection of an established vertical grid line with an established horizontal grid line. The distance between any two rate centers is the airline mileage computed between their respective coordinate intersections, as explained in 3. following.
- 3. To determine the rate distance between any two rate centers, proceed as follows:
 - a. Obtain the "V" and "H" coordinates for each rate center.
 - b. Obtain the difference between the "V" coordinates of the two rate centers. Obtain the difference between the "H" coordinates.
 - c. Square each difference obtained in b. above.
 - d. Add the squares of the "V" difference and the "H" difference obtained in c. above.
 - e. Divide the sum of the squares obtained in d. above by 10.
 - f. Obtain the square root of the result obtained in e. above. This is the rate difference in miles. (Fractional miles being considered as full miles.)

MILEAGE MEASUREMENTS

- A. AIRLINE MILEAGE (Except for Message Toll Service) (Continued)
 - 4. Example:

The rate distance is required between Detroit and Flint.

NOTE: The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.

5. The vertical and horizontal coordinates for each Michigan rate center are listed in the List of Rate Centers and Central Offices for the United States, issued the American Telephone and Telegraph Company in Tariff FCC No. 245, which, including any amendments thereto or successive issues thereof, is hereby adopted and made a part of this Tariff. A copy of the information therein is posted at the various toll operating centers.