

## ACCESS AND INTERCONNECTION SERVICES

ORIGINAL SHEET 1

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## TITLE SHEET

TCG OHIO

Schedule of Rates, Charges, and Regulations Governing Regulated

ACCESS AND INTERCONNECTION SERVICES

Applying to the Intrastate Regulated Services in the Following  
Counties:

Adams, Allen, Ashland, Athens, Auglaize, Belmont, Brown, Butler,  
Carroll, Champaign, Clark, Clermont, Clinton, Columbiana,  
Coshocton, Crawford, Cuyahoga, Darke, Defiance, Delaware, Erie,  
Fairfield, Fayette, Franklin, Fulton, Gallia, Geauga, Greene,  
Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland,  
Hocking, Holmes, Huron, Jackson, Jefferson, Lake, Lawrence,  
Licking, Lorain, Lucas, Madison, Mahoning, Marion, Medina, Meigs,  
Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum,  
Noble, Ottawa, Paulding, Perry, Pickaway, Pike, Portage, Preble,  
Roichland, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Summit,  
Trumbull, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington,  
Wayne, Williams, Wood and Wyandot Service Areas Within the State of  
Ohio.

## ACCESS AND INTERCONNECTION SERVICES

TABLE OF CONTENTS  
ORIGINAL SHEET 1

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## TABLE OF CONTENTS

<u>DESCRIPTION</u>	<u>SHEET NUMBER</u>
Title Sheet	1
Table of Contents	1
Explanation of Symbols	1
 <u>SECTION</u>	
1. - DEFINITION OF TERMS	1
2. - RULES AND REGULATIONS	1
2.1 - Description of Service	1
2.2 - Application for Service	1
2.3 - Billing and Collection of Charges	1
2.4 - Service Connections and Facilities on Customer's Premises	2
2.5 - Reserved for Future Use	5
2.6 - Ordering Rating and Billing more than One Telephone Company is Involved	6
3. - DEDICATED ACCESS SERVICES	1
3.1 - Services Offered	4
3.2 - Basic and Mixed Vendor Services	4
3.3 - DS3 Service	4
3.4 - DS1 Service	6
3.5 - DS0 Service	7
3.6 - Rates for Dedicated Access Services	10
3.7 - Non-Standard Offerings	13
3.8 - Individual Case Basis (ICB) Arrangements	13
4. - CALL COMPLETION SERVICE	1
4.1 - General	1
4.2 - Call Completion Arrangement	1
4.3 - Manner of Provisioning	1
4.4 - Provisioning and Description of FGD	1
4.5 - Jurisdictional Report Requirements	6
4.6 - Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved	8
4.7 - Call Completion Rate Application	9
5. - SUPPLEMENTAL SERVICES	1
5.1 - Miscellaneous Services	1
CURRENT RATES	1

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## EXPLANATION OF SYMBOLS

The following symbols shall be used in this tariff for the purposes indicated below.

- (C) To signify changed listing, rule, or condition which may affect rates or charges.
- (D) To signify discontinued material, including listing, rate, rule or condition.
- (I) To signify an increase.
- (L) To signify material relocated from or to another part of tariff schedule with no change in text, rate, rules or conditions.
- (N) To signify new materials including listing, rate, rule or condition.
- (R) To signify reduction.
- (T) To signify change in wording of text but not change in rate, rule or condition.

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208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 1 - DEFINITION OF TERMS

1.1 Definition of Terms

**Authorized User:** A person, corporation or other entity who is authorized by the Company's customer to utilize service provided by the Company to the customer. The customer is responsible for all charges incurred by an Authorized User.

**Company, TCG Ohio or TCG:** TCG Ohio, the issuer of this tariff.

**Customer:** The person, firm, corporation, or other entity which orders service pursuant to this Tariff and utilizes service provided under Tariff by the Company. A customer is responsible for the payment of charges and for compliance with all terms of the Company's Tariff.

**Connecting Arrangement:** This equipment provided by the Company to accomplish the direct electrical connection of Customer-provided facilities with the facilities of the Company; or facilities of the company with other facilities of the Company.

**Dedicated:** A facility or equipment system or subsystem set aside for the sole use of a specific Customer.

**End Office:** The term "end office" denotes the switching system office or serving wire center where Customer station loops are terminated for purposes of interconnection to each other and/or to trunks. The final user of any service offered in this tariff.

**End User:** The final user of any service offered in this tariff.

**Individual Case Basis:** A service arrangement in which the regulations, rates and charges are developed based on the specific circumstances of the case.

**Joint User:** A person, firm or corporation which is designated by the Customer as a user of Local Exchange Service furnished to the Customer and to whom a portion of the charges for the services will be billed under a joint user arrangement as specified herein.

**Kbps:** Kilobits per second, denotes thousand of bits per second.

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CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 1 - DEFINITION OF TERMS

1.1 Definition of Terms (Cont'd)

Network Control Signaling: The transmission signals used in the telecommunications network which performs functions such as supervision (control, status and charging signals), address signaling (e.g., dialing), calling and called number identification, audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the telecommunications network.

Network Control Signaling Unit: The terminal equipment furnished the customer for the provision of network control signaling.

Node: Any TCG or Customer location that is capable of performing Add/Drop Multiplexing.

Signaling Point: The term "Signaling Point" denotes a switch that is capable of supporting SS7 signaling.

Signaling Point of Interconnection: The term "Signaling Point of Interconnection" denotes the customer designated location, in the same LATA as the Company STP, where SS7 signaling information is exchanged between TCG and the customer.

Signaling Transfer Point: The term "Signaling Transfer Point" denotes a signaling point which routes and/or transfers signaling messages through the common channel signaling network.

Standard Network Interface: The point where Company network services or facilities terminate and the Company's responsibility for installing and maintaining such services or facilities ends.

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CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 2 - RULES AND REGULATIONS

2.1 Description of Service

TCG Ohio Service consists of any of the services offered pursuant to this tariff, either individually or in combination. Each service is offered independent of the others, unless otherwise noted. Service is offered via the Company's facilities in combination with transmission facilities provided by other certificated carriers.

2.2 Application for Service

Customers desiring to obtain TCG Service must complete the Company's standard service order form(s).

2.3 Billing and Collection of Charges

At such time as the Company completes installation or connection of the necessary facilities and/or equipment to provide service, the Company shall conduct appropriate tests thereon. Upon successful completion of such tests, the Company shall notify the Customer that such services are available for use, and the date of such notice shall be called the "Service Date" and shall be the starting date for billing.

Customer shall pay the amount(s) as specified in the tariff for the Services. Nonrecurring charges, including construction, are due in advance. Fixed recurring charges shall be billed in advance after the Service date is determined and will be due no later than thirty (30) days after the date of the invoice. Variable recurring charges and other charges shall be billed as incurred, and will be due no later than thirty (30) days after the date of the invoice. Any amount not received within the thirty (30) day period will be subject to the Company's standard late charge of 1.5% per month, or, if lower, the legal limit applicable to such charges. Customer agrees to review each invoice promptly and to notify the Company of any discrepancies within 45 days of receipt of each invoice. In the event that the Company's computerized usage recording system fails or is otherwise unavailable for all or part of any billing period, the Company shall be entitled to make a reasonable estimate of the Customer's usage of Services in the period in question for billing purposes.

When service does not begin on the first day of the month, or end on the last day of the month, the charge for the fraction of the month service was furnished will be calculated on a pro rata basis. For this purpose, every month is considered to have thirty (30) days.

Company shall be entitled to make a reasonable estimate of the Customer's usage of Services in the period in question for billing purposes.

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---

## SECTION 2 - RULES AND REGULATIONS

2.4 Service Connections and Facilities on Customer's Premises2.4.1 Provision of Equipment and Facilities

All services along the facilities between the point identified as the Company's origination point and the point identified as the Company's termination point will be furnished by the Company, its agents or contractors.

The Company may undertake to use reasonable efforts to make available services to a Customer on or before a particular date, subject to the provisions of and compliance by the Customer with, the regulations contained in this tariff. The Company does not guarantee availability by any such date and shall not be liable for any delays in commencing service to any Customer.

The Company undertakes to use reasonable efforts to maintain only the facilities and equipment that it furnishes to the Customer. The Customer, joint user, or authorized user may not, nor may he permit others to, rearrange, disconnect, remove, attempt to repair, or otherwise tamper with any of the facilities or equipment installed by the Company, except upon the written consent of the Company.

Equipment the Company provides or installs at the Customer's premises for use in connection with the services the Company offers shall not be used for any purpose other than that for which the Company provided the equipment.

The Customer shall be responsible for the payment of service charges as set forth herein for visits by the Company's agents or employees to the premises of the Customer, joint user, or authorized user when the service difficulty or trouble report results from the use of equipment or facilities the Customer, joint user, or authorized user provided.

The Company shall not be responsible for the installation, operation, or maintenance of any Customer provided communications equipment. Where such equipment is connected to the facilities furnished pursuant to this tariff, the responsibility of the Company shall be limited to the furnishing of facilities offered under this tariff and to the maintenance and operation of such facilities; subject to this responsibility the Company shall not be responsible for:

- The transmission of signals by Customer provided equipment or for the quality of, or defects in, such transmission; or
- The reception of signals by Customer provided equipment.

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## SECTION 2 - RULES AND REGULATIONS

2.4 Service Connections and Facilities on Customer's Premises (Cont'd.)2.4.1 Provision of Equipment and Facilities (Cont'd.)

The Customer, authorized user, or joint user is responsible for ensuring that Customer provided equipment connected to Company equipment and facilities is compatible with such Company equipment and facilities. The magnitude and character of the voltages and currents impressed on Company provided equipment and wiring by the connection, operation, or maintenance of such equipment and wiring shall be such as not to cause damage to the Company provided equipment and wiring or injury to the Company's employees or to other persons. Customer will submit to Company a complete manufacturer's specification sheet for each item of equipment that is not provided by the Company and which shall be attached to the Company's facilities. The Company shall approve the use of such item(s) of equipment unless such item is technically incompatible with Company's facilities. Any additional protective equipment required to prevent such damage or injury shall be provided by the Company at the Customer's expense.

Any special interface equipment necessary to achieve compatibility between the facilities and equipment of the Company used for furnishing service and the channels, facilities, or equipment of others shall be provided at the Customer's expense.

The Company's Service may be connected to the services or facilities of other communications carriers only when authorized by, and in accordance with, the terms and conditions of the tariffs of the other communications carrier which are applicable to such connections.

2.4.2 Shortage of Equipment or Facilities

The Company reserves the right to limit or to allocate the use of existing facilities, or of additional facilities offered by the Company, when necessary because of a lack of facilities, or due to any other cause beyond the Company's control.

The furnishing of service under this tariff is subject to the availability on a continuing basis of all the necessary facilities and is limited to the capacity of the Company's facilities, as well as facilities the Company may obtain from other carriers to furnish service from time to time, as required at the sole discretion of the Company.



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---

## SECTION 2 - RULES AND REGULATIONS

2.4 Service Connections and Facilities on Customer's Premises (Cont'd.)2.4.3 Prohibited Uses

The services the Company offers shall not be used for any unlawful purpose or for any use as to which the Customer has not obtained all governmental approvals, authorizations, licenses, consents and permits required to be obtained by the Customer with respect thereto.

The Company may require applicants for service who intend to use the Company's offerings for resale and/or for shared use to file a letter with the Company confirming that their use of the Company's offerings complies with relevant laws and the Commission's regulations, policies, orders, and decisions.

The Company may require a Customer to immediately shut down its transmission of signals if said transmission is causing interference to others.

A Customer may not use the services so as to interfere with or impair service over any facilities and associated equipment, or so as to impair the privacy of any communications over such facilities and associated equipment.

Customer use of any resold service obtained from other service providers shall also be subject to any applicable restrictions in the underlying providers' publicly available tariffs.

A Customer, joint user, or authorized user shall not represent that its services are provided by the Company, or otherwise indicate to its Customers that its provision of services is jointly with the Company, without the written consent of the Company. The relationship between the Company and Customer shall not be that of partners or agents for one or the other, and shall not be deemed to constitute a partnership or agency agreement.

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SECTION 2 - RULES AND REGULATIONS

2.5 Reserved for Future Use

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## SECTION 2 - RULES AND REGULATIONS

2.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved

Meet Point billing applies where a customer is required to use the Company and another Local Telephone Company to originate or terminate traffic to end users. The customer must order Call Completion Service to establish this relationship. All other recurring and nonrecurring charges for services provided by each Local Telephone Company are billed under each company's applicable rate schedules.

The Company accepts and adheres to the Ordering and Billing Forum guidelines, Multiple Exchange Carrier Access Billing (MECAB) and Multiple Exchange Carrier Ordering and Design (MECOD).

The Company will handle ordering, rating and billing of Access Services under this tariff where more than one Local Telephone Company is involved in the provision of Access Services as follows:

- A. When FGD is jointly provided by more than one Local Telephone Company, the Customer must supply a copy of the order to each Local Telephone Company involved in providing the service.

Each Local Telephone Company will provide the portion of Switched Transport in its territory to an interconnection point (IP) with another Local Telephone Company, and will bill the service in accordance with its tariff(s). The rates for Switched Transport (fixed and per mile), are determined as follows:

1. The total mileage for the service is computed using the V&H Coordinate Method set forth in National Exchange Carrier Association Tariff F.C.C. No. 4 (NECA No. 4).
2. A billing factor called the Border Interconnection Percentage (BIP) is determined from NECA No. 4 directly.
3. The company's rates and charges are then multiplied by the appropriate quantity(ies) and the billing factor to obtain the charges for this company.

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208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 2 - RULES AND REGULATIONS

2.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd.)

- B. The application of nondistance sensitive rate elements varies according to the rate structure and location of the facilities involved:
1. When rates and charges are listed on a per point of termination basis, this company's rates will be billed for the termination(s) within this company's operating territory.
  2. When rates and charges are listed on a per unit basis, e.g., multiplexing, this company's rates and charges will apply for the units located in this company's operating territory.
  3. When rates and charges are developed on an individual case basis, such rates will be developed for the portion of the service provided by this company.
  4. When rates and charges are listed on a per service basis, these rates and charges will be billed.
  5. When rates and charges are listed on a per line or trunk installed basis, this company's rates will be billed based on the number of lines or trunks specified by the customer on its order for access service placed with this company.
  6. When this company is an intermediate, non-terminating carrier in a given arrangement, channel mileage fixed mileage charges will not apply.

## ACCESS AND INTERCONNECTION SERVICES

SECTION 3  
ORIGINAL SHEET 1

ISSUED: JUNE 23, 2010  
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208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 3 - DEDICATED ACCESS SERVICES\*

Dedicated Access Services consists of the services offered pursuant to this section, either individually or in combination. Each service is offered independent of the others. Service is offered via the Company's facilities for the transmission of one-way and two-way communications, unless otherwise noted.

Rates for Dedicated Access Services are divided into three zones, as follows:

Zone 1 - Akron, Albany, Alexandria, Alger, Alliance, Amanda, Amesville, Amherst, Amsterdam, Andover, Anna, Antwerp, Apple Creek, Arabia, Arcadia, Archbold, Arlington, Arthur, Ashland, Ashley, Ashtabula, Attica, Atwater, Aurora, Austinburg, Avon, Avon Lake, Ayersville, Batavia, Beallsville, Beaver, Bedford, Berea, Bethel, Big Prairie, Bluffton, Brecksville, Bristolville, Buckland, Bucyrus, HiTerrace, Youngstown.

Zone 2 - Alton, Athens, Avondale, Bainbridge, Baltic, Baltimore, Barnesville, Bartlett, Bascom, Beaver Creek, Beaverdam, Belfast, Bellaire, Bellbrook, Belle Center, Bellefontaine, BeUevue, Bellville, Belmont, Belmore, Belpre, Benton Ridge, Bergholz, Berlin, Berlin Center, Berlin Heights, Bethesda, Bettsville, Beverly, Birmingham, Blanchester, Bloomdale, Bloomingdale, Bloomingsborg, Bloomingville, Bloomville, Bolivar, Botkins, Bourneville, Bowerston, Bowersville, Bowling Green, Bradford, Bremen, Brilliant, Brookville, Brunswick, Bryan, Burbank, Burlington, Burton, Butler, Butlerville, Byesville, Byhalia, Cadiz, Cairo, Caldwell, Caledonia, Cambridge, Camden, Canal, Canfield, Canton, Cardington, Carey, Carroll, Carrollton, Castalia, Catawba bland, Cedarville, Celina, Centerburg, Centerville, Chardon, Chatham, Cherry Grove, Chesapeake, Chatfield, Cheshire Center, Cheshire Galla, Chester, Chesterfield, Chesterhill, Chesterville, Cheviot, Chillicothe, Christiansburg, Cincinnati, Circleville, Clarington, Clarksburg, Clarksville, Cleveland, Cloverdale, Clyde, Coldwater, Colebrook, Columbiana, Columbia Station, Columbus, Columbus Grove, Conesville, Congress, Conneaut, Continental, Convoy, Coolville, Cooney, Cooperdale, Corning, Cortland, Coshocton, Covdale, Covington, Crescentville, Crestline, Creston, Cridersville, Crooksville, Croton, Cumberland, Curtis, Cygnet,

\* Effective August 15, 2008, all services residing in this section will no longer be available under this tariff. Customers may maintain their existing Service arrangements until their current contract term expires. At the end of the Customer's current contract term, Customers may continue to maintain their existing Service arrangements on a month-to-month basis until terminated by either party upon 30 days written notice. After August 15, 2008, no new term plan renewals will be permitted, and no moves, adds or changes (including reconfigurations) to an existing Service arrangement will be permitted for Customers whose Service arrangements are on a month-to-month basis.

## ACCESS AND INTERCONNECTION SERVICES

SECTION 3  
ORIGINAL SHEET 2

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## SECTION 3 - DEDICATED ACCESS SERVICES

Zone 2 (Cont'd.) - Dalton, Danville, Damascus, Dayton, Decatur, Defiance, De Graff, Delaware, DeUroy, Delphos, Delta, Deshler, Dexter City, Dillonvale, Donnelsville, Dorset, Doylestown, Dresden, Dublin, Duffy, Dunkirk, East Claridon, East Destine, East Liberty, East Liverpool, East Rochester, Eaton, Edgerton, Edon, Eldorado, Elmore, Elyria, Enon, Englewood, Evandale, Evansport, Fairborn, Fairfield, Fairview, Farmersville, Fayette, Fayetteville, Felicity, Findlay, Fletcher, Florida, Flushing, Forest, Fort Jennings, Fort Loramie, Fort Recovery, Fostoria, Frankfort, Franklin, Frazeesburg, Fredricksburg, Fredricktown, Freeport, Fremont, Fultonham, Gahanna, Gallipolis, Gambier, Garrettsville, Galion, Gates Mills, Geneva, Genoa, Georgetown, Gerald, Germantown, Gettysburg, Gibsonburg, Gilboa, Girard, Glade, Glandorf, Glendale, Glenmont, Glouster, Gnadenhutzen, Gomer, Goshen, Grafton, Grand Rapids, Granville, Gratiot, Gratis, Graysville, Green Camp, Greene, Greenfield, Greensburg, Green Springs, Greenville, Greenwich, Grelton, Groesbeck, Grove City, Groveport, Grover Hill, Guyan, Guysville, Hallsville, Hamerville, Hamilton, Hamler, Hamlet, Hanoverton, Harlem Springs, Harpster, Harrisburg, Harrison, Hartford, Hartville, Hartwell, Haskins, Hayesville, Heath, Hebron, Helena, Hicksville, Higginsport, Hilhard, Hillcrest, Hillsboro, Hinckley, Hiram, Holgate, Holland, Hollansburg, Hohnesville, Homerville, Hopedale, Hubbard, Hudson, Huntsburg, Huntsville, Huron, Hyde Irk, Idaho, Independence, Indora, Inesville, Irkman, Iris, Ironton, Itaskala, Ittersonville, Iulding, Iyne, Jackson, Jackson Center, Kirtland, Jamestown, Jefferson, Jeffersonville, Jenera, Jewell, Jewett, Johnsonville, Johnston, Johnstown, City, Kalida, Kelly's Island, Kent, Kenton, Kidron, Kilbourne, Killbuck, Kingsville, Kingston, Kinsman, Junction, Knoxville, Lafayette, LaGrange, Lake Milton, Lancaster, Larue, Laura, Laurelville, Lebanon, Leesburg, Leetonia, Leipsic, Leroy, Lockbourne, Lodi, Logan, London, Londonderry, Lorain, Loudonville, Louisville, Loveland, Lowell, Lowellville, Lower Salem, Lucas, Lucasville, Luckey, Lykens, Lynchburg, Lyons, Madison, Madisonville, Magnolia, Malvern, Manchester, Manchester, Mansfield, Mantua, Marblehead, Marengo, Marietta, Marion, Marlboro, Marne, Marshall, Marshallville, Martinsburg, Martin's Ferry, Martinsville, Marysville, Massieville, Massillon, Mason, Maumee, McArthur, McComb, McClure, McConnelsville, McCutchenville, Mechanicsburg, Mechanicstown, Medina, Medway, Melmore, Mendon, Mentor, Mesopotamia, Metamora, Miami, Miamisburg, Middlefield, Middle Point, Middletown, Milan, Milford, Milford Center, Milledgeville, Miller City, Millersburg, Millersport, Mineral City, Minerva, Minford, Mingo Junction, Minster, Mogadore, Moline, Monroe, Monroeville, Montpelier, Montrose, Montville, Morning Sun, Montgomery, Morral, Morning Sun, Morristown, Morrow, Mowrystown, Mount Blanchard, Mount Cory, Mount Gilead, Mount Healthy, Mount Grab, Mount Sterling, Mount Vernon, Mount Victory, Mount Washington, Nashville, Navarre, Neapolis, Nelsonville, Nevada, New Albany, New Boston, New Burlington, Newbury, New Carlisle, New Comerstown, New Concord, New Lexington, New Holland, New Iris, New Lebanon, New Lyme, New Madison,

## ACCESS AND INTERCONNECTION SERVICES

SECTION 3  
ORIGINAL SHEET 3

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---

## SECTION 3 - DEDICATED ACCESS SERVICES

Zone 2 (Cont'd.) - New Marshfield, New Matamoras, Newport, Newark, New Bavaria, New Bremen, New Knoxville, New London, New Philadelphia, New Riclunond, New Riegel, Newton Falls, Newtonsville, New Vienna, New Washington, New Waterford, New Winchester, Ney, North Baltimore, North Benton, North Canton, North Creek, North Fairfield, Northfield, North Georgetown, North Greenhills, North Jackson, North Lima, North Lewisburg, North Ridgeville, North Royalton, Northside, North Star, Norwalk, Norwich, Norwood, Nova, Oak Harbor, Oak Hill, Oakwood, Oberlin, Ohio City, Okolona, Old Fort, Old Washington, Olmsted Falls, Orrville, Orwell, Ostrander, Ottawa, Ottoville, Otway, Oxford, Peebles, Pemberville, Peninsula, Pennsville, Perry, Perrysburg, Perrysville, Phillipsburg, Philo, Pierpont, Piketon, Pioneer, Piqua, Pitchin, Plain City, Pleasant Hill, Pleasantville, Plumwood, Pomeroy, Portage, Port Clinton, Plymouth, Polk, Portland, Portsmouth, Powhatan Point, Port William, Price Hill, Proctorville, Prospect, Put-In-Bay, Quaker City, Racine, Radnor, Rainsboro, Rathbone, Ravenna, Rawson, Raymond, Redhaw, Reedsville, Reily, Reinersville, Republic, Reynoldsburg, Richfield, Richfield Center, Richmond, Richmondale, Richwood, Ridgeville Comers, Ridgeway, Rio Grande, Ripley, Rising Sun, Rittman, Rock Creek, Rockford, Rogers, Rootstown, Roseville, Rosewood, Rossburg, Rossmoyne, Rushsylvania, Rushville, Russel, Russelville, Russel's Point, Rutland, Sabina, Saint Bernard, Saint Clairsville, Saint Iris, Saint Louisville, Saint Mary's, Salem, Salineville, Sandusky, Sardinia, Savannah, Sayler Irk, Seaman, Seven Mile, Swanton, Scio, Sciotoville, Scott, Sebring, Sedalia, Seville, Shandon, Sharon, Sharon Center, Shawnee, Sheffield Lake, Shelby, Sherwood, Shiloh, Shreve, Sidney, Sinking Spring, Smithfield, Smithville, Somerset, South Charleston, South Lebanon, South Solon, South Vienna, South Webster, Spencer, Spencerville, Springfield, Spring Valley, Steubenville, Stockport, Stony Ridge, Stratsburg, Sterling, Strongsville, Stryker, Sugar Creek, Sugar Grove, Sugar Tree Ridge, Summerfield, Sycamore, Sylvania, Terre Haute, The Plains, Thompson, Thornville, Tiffin, Tiltonsville, Tipp City, Tobasco, Toledo, Toronto, Tremont, Trenton, Trinity, Troy, Trotwood, Trumbull, Twinsburg, Uhrichsville, Uniontown, Upper Sandusky, Urbana, Utica, Valley City, Van Buren, Vandalia, Vanlue, Van Wert, Vaughnsville, Venedocia, Vermillion, Versailles, Victory, Vinton, Wabash, Wadsworth, Wakeman, Waikoneta, Waldo, Walnut, Warren, Warsaw, Washington Court House, Watertown, Waterville, Wauseon, Waverly, Wayland, Wayne, Waynesfield, Waynesville, Wellington, Wellston, Wellsville, West Alexandria, West Chester, Westerville, West Jefferson, West Lafayette, West Manchester, West Manfield, West Milton, Westminster, West Portsmouth, West Salem, Weston, Westwood, West Union, West Unity, Wharton, Wheelersburg, Whitehouse, Wilkesville, Willard, Williamsburg, Williamsport, Willoughby, Wilmington, Wihnont, Winchester, Windham, Windsor, Winona, Woodsfield, Woodstock, Woodville, Worthington, Wooster, Xenia, Yellow Springs, York Center, Yorkshire, Zanesville.

Zone 3 - Aberdeen, Ada, Adamsville, Adario, Adena.

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---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.1 Services Offered

The following dedicated access services are offered in this tariff:

DSO Service (up to 64 kbps)  
DS3 Service (44.7 Mbps)  
DSI Service (1.5 Mbps)

Other services may be provided by the Company on an Individual Case Basis (ICB).

3.2 Basic and Mixed Vendor Services

DS3 Service and DSI Service may be provided as either Basic or Mixed Vendor Services, depending upon the availability of facilities. Basic Service rates apply when both endpoints of the channel are served by the Company's network. Mixed Vendor Service rates apply when one endpoint of the transmission channel is served by a local exchange carrier's network (Mixed Vendor Services are provided via a combination of the Company's facilities and local exchange carrier facilities).

DS3 and DSI channels where both endpoints are served by a local exchange carrier's network will be provided at the sole discretion of the Company, on an Individual Case Basis (ICB).

3.3 DS3 SERVICE (44.736 Mbps)

DS3 Service is composed of digital channels provided at 44.736 Mbps for the transmission of one-way and two-way communications. Interconnections to such channels and equipment interfacing to such channels shall meet the following technical characteristics:

Line Rate: 44.736 Mbps +/-20 ppm  
Line Code: Bipolar with three-zero substitution  
Test Load: 75 ohms resistive +/-5 percent

Power Levels: For an all-ones transmitted pattern, the power in a 2 KHz band about 22.368 KHz shall be -1.8 to +5.7 dBm and the power in a 2 KHz band about 44.736 MHz shall be at least 20 dB below that in a 2 KHz band about 22.368 KHz. <sup>1</sup>

## NOTES:

1. The power levels specified by CCITT Recommendation G.703 are identical except that the power is to be measured in 3 KHz bands.



ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.3 DS3 SERVICE (44 736 Mbps) (Cont'd.)

Digital channels at 44.736 Mbps will be provided in one of the following configurations, as specified by the customer:

Clear Channel DS3: A DS3 signal that is transmitted intact and transparently as provided at the customer interface. No performance monitoring is performed, since all 44.736 Mbps are considered customer data or voice.

M13 Framed DS3: A DS3 that is channelized into 28 DS1 (1.544 Mbps) signals and include a predefined standard multiplexing scheme as defined in ANSI T1.107a. The M13 DS3 contains parity bits which can be monitored to offer an approximate measure of performance. 43.232 Mbps is customer data (or voice), the remainder being used for framing, synchronization, parity, etc.

C-bit Parity Framed DS3: A DS3 that can be used for subrated or non-subrated DS3 signals. This allows DS3 signal monitoring for end-to-end performance measurement on an in-service basis, transmitted on the maintenance data communications channel. The C-bit parity format is defined in ANSI T1.107a. 43.232 Mbps is customer data (or voice), the remainder being used for framing, synchronization, parity, etc.

## ACCESS AND INTERCONNECTION SERVICES

SECTION 3  
ORIGINAL SHEET 6

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 3 - DEDICATED ACCESS SERVICES

3.4 DS1 Service (1.544 Mbps)

DS1 Service is composed of digital channels provided at 1.544 Mbps for the transmission of one-way and two-way communications. Interconnections to such channels and equipment interfacing to such channels shall meet the following technical characteristics:

Line Rate: 1.544 Mbps  $\pm$  130 ppm  
Line Code: AMI: bipolar with at least 12.5% average ones density and no more than 15 consecutive zeros;

-- or --

B8ZS: no minimum density of ones and no consecutive zeros limit.

Test Load: 100 ohms resistance.

Pulse Shape: The pulse amplitude shall be between 2.4 and 3.6 volts.

Power Levels: For an all-ones transmitted pattern, the power in a 2 KHz band about 772 KHz shall be 12.4-18.0 dBm and the power in a 2 KHz band about 1544 MHz shall be at least 29 dB below that in a 2 KHz band about 771 KHz.<sup>1</sup>

Pulse Imbalance: There shall be less than 0.5 dB difference between the total power of the positive pulses and the negative pulses.

## NOTES:

1. The CCITT specification is  $\pm$  50 ppm.
2. Recommended for new equipment: The power in a 2 KHz band about 772 KHz shall be 12.6-17.9 dBm. CCITT requirements: The power in a 3 KHz band about 772 KHz is 12.0-19.0 dBm.
3. CCITT requirements: The power in a 3 KHz band about 1544 KHz shall be at least 25 dB below that in a 3 KHz band about 772 KHz.

Digital channels at 1.544 Mbps will be provided in one of the following configurations, as specified by the customer:

Unframed DS1: A DS1 signal that does not follow standard framing formats of 192 bits for data and a 193 Rd bit for framing. An unframed DS1 cannot be synchronized to the network and is not performance monitored.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 3 - DEDICATED ACCESS SERVICES

3.4 DS1 Service (1.544 Mbps) (Cont'd.)

D4/SF DS1: A framed DS1 consisting of 12 frames (2316 bits) of 192 bits preceded by one framing bit (F bit). This service can be coded as AMI or B8ZS.

ESF DS1: Extends superframe structure from 12 to 24 frames (4632 bits) and redefines the 8 kbps pattern into 2 kbps for mainframe and robbed-bit signaling synchronization, 2 kbps for CRC-6 and 4 kbps for terminal-to-terminal data link. This service can be coded as AMI or B8ZS.

3.4.1 Fanout DS1 Service

Fanout DS1 Service allows a customer to aggregate up to 28 DS1 channels that terminate in the same location into a single DS3 Local Distribution Channel.

3.5 DS0 Service

DS0 Services are Digital Channels furnished by the Company at transmission speeds of 2.4 kbps, 4.8 kbps, 9.6 kbps, 19.2 kbps, 56 kbps, 64 kbps, or in multiples of 56 kbps or 64 kbps up to 1.544 Mbps. Such channels will be configured by the Company to transmit digital data at specified data rates or analog signals converted to digital signals, as described below. Interconnections to such channels and equipment interfacing to such channels shall meet the technical characteristics described below in connection with each service configuration. The NCI Codes referenced below are defined in Bell Communications Research (Telecordia) publication TR-NPL-000335.

Each DS0 channel will be provided in one of the following configurations, as specified by the customer.

3.5.1 Effective 2-Wire Service

Provides a digital transmission channel capable of normally carrying, among other information, the digitized representation of human speech. At the Company's point of interconnection with the User, the service will have the technical characteristics of a standard 2-wire analog telephone circuit. Specific configurations are as follows:

A. Private Line Manual Ringdown

2-wire, 600 ohm or 900 ohm, Loop Start with industry standard demarcation (NCI Code: 02AC2, 02AC3). Provides a circuit connecting two specific locations, where signaling (i.e., ringing current) is provided externally by the customer. A transmission can be originated from either end. Ringing at 20 Hz will be at industry-standard voltage and current.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.5 DS0 Service (Cont'd.)3.5.1 Effective 2-Wire Service (Cont'd.)B. Private Line Automatic Ringdown (PLAR)

2-wire, 600 ohm, Loop Start with industry standard demarcation (NCI Code: 02LR2). Provides a circuit connecting two specific locations, where signaling (ringing) is automatically generated by the Company upon offhook (transmission origination). Either end can originate the transmission. Ringing at 20 Hz will be at industry-standard voltage and current.

C. OPX/Tie Line/FX/Tie Trunk Private Lines

(OPX)- 2-wire, 600 ohm or 900 ohm, Loop Start, Ground Start, or E+M, with industry standard demarcation (Pose NCI Codes: 02LS2, 02LS3, 02GS2, 02GS3, 02LO2, 02GO2, 04EA2-M, 04EA2-E, 06EB2-M, 06EB2-E). The circuit will be transparent to OPX signaling (e.g., DP or MF dialing, ringing).

D. 2-Wire Transmission Only

2-wire, 600 ohm, open loop (continuously connected) with industry standard demarcation (NCI Code: 02NO2). C4 conditioned circuit connecting two locations, typically used for voice-grade data services.

3.5.2 Effective 4-Wire Service

Provides a digital transmission channel capable of normally carrying, among other information, the digitized representation of human speech and duplex transmission of data converted to analog signals. At the Company's point of interconnection with the User, the service will have the technical characteristics of a standard 4-wire data-conditioned telephone circuit. Specific configurations are as follows:

A. 4-wire Transmission Only

4-wire, 600 ohm, open loop (continuously connected), with industry standard demarcation. C4/D1 conditioned circuit, with separate transmit and receive wire pairs. (NCI Codes: 04N02, 04DA2.)

B. 4-Wire Tie Line/Tie Trunk Private Lines

4-wire talk path, 600 ohm, with industry standard demarcation. Additional leads for signaling, supporting Type I, II, and III E+M or reverse E+M. (Possible NCI Codes: 06EA2-M, 06EA2-E, 08EB2-M, 08EB2-E, and 08EC2.)

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.5 DS0 Service (Cont'd.)3.5.3 Digital Services

Provides a digital transmission channel capable of normally carrying synchronous digital data signals. The following service configurations are available:

A. Low Speed Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25. Provides a point-to-point, DDS-compatible full-duplex synchronous circuit operating at 2.4 Kbps, 4.8 Kbps, 9.6, or 19.2 Kbps, with error correction. Supports all DDS control codes. Secondary channel is supported. (Possible NCI Codes: 04DU5-24, 04DU5-48, 04DU5-96, 04DU5-19).

B. 56 Kbps Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25, RS422/DB25, or V.35. Provides a point-to-point, DDS-compatible full-duplex synchronous circuit operating at 56 Kbps. No error correction is provided. Supports all DDS control codes. Optional secondary channel is supported. (Possible NCI Code: 04DU5-56).

C. 64 Kbps Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25, RS422/DB25, or V.35. Provides point-to-point, 64 Kbps clear channel for a full-duplex synchronous data circuit. No error correction or in-band control codes are supported. (Possible NCI Code: 04DU5-64).

D. Fractional DS1

RS422/DB25 or V.35 handoff. Provides a point-to-point channel at any speed between 56 Kbps and 1.544 Mbps for full-duplex synchronous data transmission, provided that the speed is a multiple of 56 or 64 Kbps. (NCI Code format: 04DU5-\_\_\_\_).

3.5.4 Fanout DS0 Service

Fanout DS0 Service allows a customer to aggregate up to 24 DS0 channels that terminate in the same location into a single DS1Local Distribution Channel.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.6 Rates for Dedicated Access Services3.6.1 General

Non-recurring and monthly recurring rates apply for each Digital Transmission Service furnished by the Company. Monthly recurring rates vary according to the time period for which the customer commits to take the service. Unless otherwise noted, three standard rate elements are used in calculating the monthly recurring rate for each service:

- Local Distribution Channel (LDC): This rate element applies to each end-point of a digital channel provided to a customer.
- Interoffice Channel Mileage-Fixed: This rate element applies per digital channel whenever there is mileage associated with the channel; a digital channel has mileage associated with it when the endpoints of the channel are located in geographic areas normally served out of separate local exchange carrier ("LEC") end offices. This rate element applies per circuit endpoint.
- Channel Mileage-Per Mile: This rate element applies whenever there is mileage associated with the digital channel. The unit rate is multiplied by the number of miles (Interoffice Mileage) between the two LEC end offices serving the geographic areas in which the endpoints of the channel are located. Interoffice Mileage is determined according to the V&H coordinates method set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Fractions of a mile are rounded up to the next whole mile before rates are applied.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 3 - DEDICATED ACCESS SERVICES

3.6 Rates for Dedicated Access Services (Cont'd.)3.6.2 Basic and Mixed Vendor Services

DS3 Service and DS1 Service may be provided as either Basic or Mixed Vendor Services, depending upon the availability of facilities. Basic Service rates apply when both endpoints of the channel are served by the Company's network. Mixed Vendor Service rates apply when one endpoint of the transmission channel is served by a local exchange carrier's network (Mixed Vendor Services are provided via a combination of the Company's facilities and local exchange carrier facilities).

DS3 and DS1 channels where both endpoints are served by a local exchange carrier's network will be provided at the sole discretion of the Company, on an Individual Case Basis (ICB).

3.6.3 DS3 Service (44.736 Mbps)A. Basic DS3 Service

This service consists of a DS3 (44.736 Mbps) capacity digital channel available on a 24 hour per day, 7 day per week basis between two points. There is a 1-year minimum service period for each Basic DS3.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

3.6 Rates for Dedicated Access Services (Cont'd.)3.6.5 Hubbed DS1 Service

This service consists of up to 28 DS1 (1.544 Mbps) digital channels, which are aggregated at a Company Node onto a standard DS3 circuit with Interoffice Mileage and a Local Distribution Channel at the terminating end. There is a minimum 1-year service period for each Hubbed DS1 Service.

Hubbed DS1's consist of 3 rate elements:

- A. DS1 Local Distribution Channels - Rated as a standard DS1 Local Distribution Channel.
- B. Central Office Multiplexing - Aggregates the 28 DS1's onto DS3 interoffice facilities.
- C. DS3 Interoffice Mileage/Local Distribution Channel - Rated as standard DS3 Circuit

Hubbed DS1 Service Rates

See Current Rates for current rates.



ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 3 - DEDICATED ACCESS SERVICES

## 3.6 Rates for Dedicated Access Services (Cont'd.)

3.6.7 Hubbed DS0 Service

This service consists of up to 24 DS0 digital channels, which are aggregated at a Company Node onto a standard DS1 circuit with Interoffice Mileage and a Local Distribution Channel at the terminating end. There is a minimum 90 day service period for each Hubbed DS1 Service.

Hubbed DS0's consist of 3 rate elements:

1. DS0 Local Distribution Channels - Rated as a standard DS0 Local Distribution Channel.
2. Central Office Multiplexing - Aggregates the 24 DS0's onto DS1 interoffice facilities.
3. DS1 Interoffice Mileage/Local Distribution Channel - Rated as standard DS1 Circuit

3.7 Non-Standard Offerings3.7.1 Special Arrangements

Where the Company furnishes a facility or service for which a rate or charge is not specified in the Company's Tariffs, charges based on cost will apply.

3.8 Individual Case Basis (ICB) Arrangements

For special situations, rates for Dedicated Access Services will be determined on an Individual Case Basis (ICB) and specified by contract between the Company and the Customer, subject to the filing and approval by the Commission.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.1 General

Switched Access Service provides for the capability of originating and terminating intrastate long distance calls to and from an end user's premises to a customer's facilities via TCG's switch.

Toll Free 8YY Transit Service is an access service in which the Company transports Toll Free traffic originated by a third party who is not an end user or other user of the Company's local exchange service through its wire center to an Interexchange Carrier Customer.

Connectivity options for Toll Free 8YY Transit Traffic service include (1) direct connection utilizing a Direct End Office Trunk (DEOT) from the Company's switch to the IXC or (2) indirect connection via a tandem provider's switch.

4.2 Call Completion Service Arrangement

Call Completion is provided as a trunkside connection, Feature Group D (FGD), to TCG's switches with an associated Carrier Identification Code (CIC) for the customer's use in originating and terminating communications.

4.3 Manner of Provisioning

Call Completion Service is provisioned as FGD at the DS1 level using D3/D4 format (as defined in AT&T TR62411) on a per trunk basis and is differentiated by type and directionality of transmission. Originating traffic type represents capacity for carrying traffic from the end user to the customer or Toll Free Transit Traffic originated by a third party who is not an end user of the Company; Terminating traffic represents capacity for carrying traffic from the customer to the end user. All traffic must be associated with customer-provided Carrier Identification Code (CIC).

An out of band signaling connection (Common Channel Signaling Access Services Port) is required in conjunction with FGD service equipped with out of band signaling. Out of band signaling allows the customer to pass call set-up information path utilizing Signaling System 7 (SS7) protocol which is separate from the message path. This connection is provided at the DS0 level and provides the interconnection between TCG's Signal Transfer Point (STP) and the customer's Signaling Point of Interconnection (SPOI).

4.4 Provisioning and Description of FGD

FGD is provided as trunk side switching and may be provided with wink start and MF pulsing signals and answer and disconnect supervisory signaling. Out of band signaling may also be specified.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.4 Provisioning and Description of FGD (Cont'd.)

FGD switching is provided with multifrequency address or out of band signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by the Company to the customer's premises where Call Completion Service terminates. Such address signals are subject to the ordinary transmission capabilities of the Digital transmission Service provided in Section 3., preceding.

Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212 ), service codes 611 and 911, or 10XXX access codes.

The access code for FGD switching is a uniform access code of the form 10XXX. A single access code will be the assigned number of all FGD access provided to the customer by TCG. No access code is required for calls to a customer over FGD facilities if the end user's service is arranged for presubscription.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North America Numbering Plan (NANP), except for 00- dialed calls which are routed to the predesignated customer. For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and where the TCG switch is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC +NN.

When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator.

Optional features available with FGD are:

## A. Automatic Number Identification (ANI)

This option provides the automatic transmission of a ten digit number and information digits to the customer's premises for originating calls to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with all individual transmission paths in a trunk group. When out of band signaling is specified, the customer may obtain an ANI equivalent by ordering the Charge Number optional feature. The ten-digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described following).

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.4 Provisioning and Description of FGD (Cont'd.)

## A. Automatic Number Identification (ANI) (Cont'd.)

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line- telephone number is a multiparty line and can not be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - number must be obtained via an operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party; (7) Public Payphones.

## B. Calling Party Number (CPN)

This option provides for the automatic transmission of the calling party's ten digit telephone number to the customer's premises for originating calls. The ten-digit telephone number consist of the NPA plus the seven-digit telephone number, which may or may not be the same as the calling station's charge number. The protocol for CPN is contained in Technical reference TR-TSV-000905. This feature is only available when out of band signaling is specified.

The Company will transmit a "privacy indicator" as part of the CPN information in those jurisdictions where end users may elect that their CPN information may not be passed to the called party, and where the end user has taken the necessary actions to ensure that their CPN is so blocked.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.4 Provisioning and Description of FGD (Cont'd.)

## C. Charge Number (CN)

This option provides for the automatic transmission of the ten-digit billing number of the calling station number and originating line information. The protocol for CN is contained in Technical reference TR-TSV-000905. This feature is only available when out of band signaling is specified.

## D. Carrier Selection Parameter (CSP)

This option provides for the automatic transmission of a signaling indicator which signifies to the customer whether the call being processed originated from a presubscribed end user of that customer. The protocol for CSP is contained in Technical reference TR-TSV-000905. This feature is only available when out of band signaling is specified.

## E. Toll Free Data Base Access Service (800 Data Base Access Service)

Toll Free Data Base Access Service is a service offering that utilizes originating trunk side Switched Access Service to deliver Toll Free calls to the Company's Interexchange Carrier Customers, or other provider of the Toll Free Service. The service provides for the forwarding of end user dialed Toll Free calls to a Company Service Switching Point which will initiate a query to the database to perform the Customer identification and delivery function. The call is forwarded to the appropriate Interexchange Carrier Customer, or the provider of the 800/8YY service, based on the dialed Toll-Free number. Records exchange, rating and billing for Toll Free Data Base Access Service when provided by an Intrexchange Carrier is subject to the provisions of the Multiple Exchange Carrier Access Billing Guidelines (MECAB). If the call is a POTS translated 800 call, the call will be routed based on the 10 digit POTS number and treated as a non IXC call. The jurisdiction and billing for that call will be based on the From and To numbers associated with that call.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.4 Provisioning and Description of FGD (Cont'd.)

## E. Toll Free Data Base Access Service (800 Data Base Access Service) (Cont'd)

## (1) Customer Identification Charge

The Toll Free Data Base Access Service Customer Identification Charge applies for the identification of the appropriate Interexchange Carrier Customer or other provider of the 800/8YY Service. The charge is assessed to the Customer on a per query basis and may include an area of service which may range from a single NPA/NXX to an area consisting of all LATAs and NPAs in the State of Ohio. The per query Customer Identification Charge is set forth in Section 4.6 of the Current Rates section.

## (2) Customer Delivery Charge

The Toll Free Data Base Access Service Delivery Charge applies for the delivery of the dialed Toll-Free ten-digit number. The charge is assessed to the Interexchange Carrier Customer, or provider of the 800/8YY service, on a per query basis and may include an area of service which may range from a single NPA/NXX to an area consisting of all LATAs and NPAs in the State of Ohio. The per query Customer Delivery Charge is set forth in Section 4.6 of the Current Rates section.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.4 Provisioning and Description of FGD (Cont'd.)

## F. Common Channel Signaling Access Service (CCSAS)

This option allows the customer to exchange signaling information for FGD call set up over a communications path which is separate from the message path. This service includes a dedicated 56 Kbps out of band signaling connection between the customers SPOI and the Company's STP. CCSAS is provisioned for two-way transmission of out of band signaling information.

Each CCSAS Signaling Connection provides for two-way digital transmission at a speed of 56 Kbps. The connection to the STP pair can be made from either the customer's signaling Point (SP) which requires a minimum of two 56 Kbps circuits or from the customer's STP pair which requires a minimum of four 56 Kbps circuits. STP locations are set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. CCSAS Signaling Connection rates and charges are specified in the Current Rates.

4.5 Jurisdictional Report Requirements

For Feature Group D Switched Access Service(s), the Company, where jurisdiction can be determined from the call detail, will determine the projected Percent Interstate Usage (PIU) factor as follows. For originating access minutes, when the call detail is adequate to determine the appropriate jurisdiction, the projected PIU factor will be developed on a monthly basis by end office, by dividing the measured interstate originating access minutes (the access minutes where the calling number is in one state and the called number is in another state) by the total originating access minutes.

For terminating access minutes, the date used by the Company to develop the projected PIU factor for originating access minutes will be used to develop the projected PIU factor for such terminating access minutes.

For terminating access minutes, the customer has the option to provide the Company with a projected PIU factor. Customers who provide a PIU factor shall supply the company with an interstate percentage of FGD terminating access minutes for each account or state to which the customer may terminate traffic. If a state level PIU is provided by the customer, the percentage will be applied to all accounts to which the customer may terminate traffic within the state.

Intrastate PIU is equal to one minus the customer's interstate PIU.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.5 Jurisdictional Report Requirements (Cont'd.)

Effective on the first of January, April, July and October of each year, the customer may update the interstate and intrastate jurisdictional report. The customer shall forward to the Company, to be received no later than 15 days after the first of the month, a revised report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate use. Except where the Company is billing according to actual use by jurisdiction, the revised report will serve as the basis for the next three months billing and will be effective on the bill date for that service. No prorating or back billing will be done based on that report. If the customer does not supply the reports for those services where reports are needed, the Company will assume then percentage to be the same as those provided previously. For those cases in which a quarterly report has never been received from the customer, the Company will assume the percentages to be the same as those provided in the initial order for service.

The customer requested projected PIU will be used for the apportionment of any monthly rates or nonrecurring charges associated with FGD Services until the end of the quarter during which the service was activated. Thereafter, a projected interstate percentage for such apportionment will be developed quarterly by the Company based on the data used to project interstate percentage of use as set forth preceding. Where call detail is insufficient to make such a determination, the customer will be requested to project an interstate percentage of use to be used by the Company for such apportionment.

The customer shall keep sufficient detail from which the percent of interstate use can be ascertained and upon request of the Company make the records available for inspection. Such a request will be initiated by the Company no more than once a year. The customer shall supply the data within 30 calendar days of the Company request.



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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

---

## SECTION 4 - SWITCHED ACCESS SERVICE

4.6 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved

Meet Point billing applies where a customer orders Call Completion Service to a tandem operated by another Exchange Telephone Company which subtends an end office operated by the Company. All other recurring and nonrecurring charges for services provided by each Exchange Telephone Company are billed under each company's applicable rates exhibited in their respective tariffs.

The Company accepts and adheres to the Ordering and Billing Forum Guidelines, Multiple Exchange Carrier Access Billing (MECAB) and Multiple Exchange Carrier Ordering and Design (MECOD).

The Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company is involved in the provision of Access Services as follows:

- A. When FGD is ordered by a customer to a tandem operated by another Exchange Telephone Company which is subtended by an end office operated by TCG, the customer must provide the original order to the Exchange Telephone Company which operates the access tandem, and must provide a copy of the order to this Company.

Each Exchange Telephone Company that accepts the order will provide the portion of Switched Transport in its territory to in interconnection point (IP) with another Exchange Telephone Company, and will bill the service in accordance with its tariff(s). The rates for Switched Transport (fixed and per mile) are determined as follows:

1. The total mileage for the service is computed using the V&H Coordinate Method set forth in National Exchange Carrier Association Tariff F.C.C. No. 4 (NECA No. 4).
2. A billing factor called the Border Interconnection Percentage (BIP) is determined from NECA No. 4 directly.
3. The company's rates and charges are then multiplied by the appropriate quantity(ies) and the billing factor to obtain the charges for this company.

See Current Rates for current rates.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

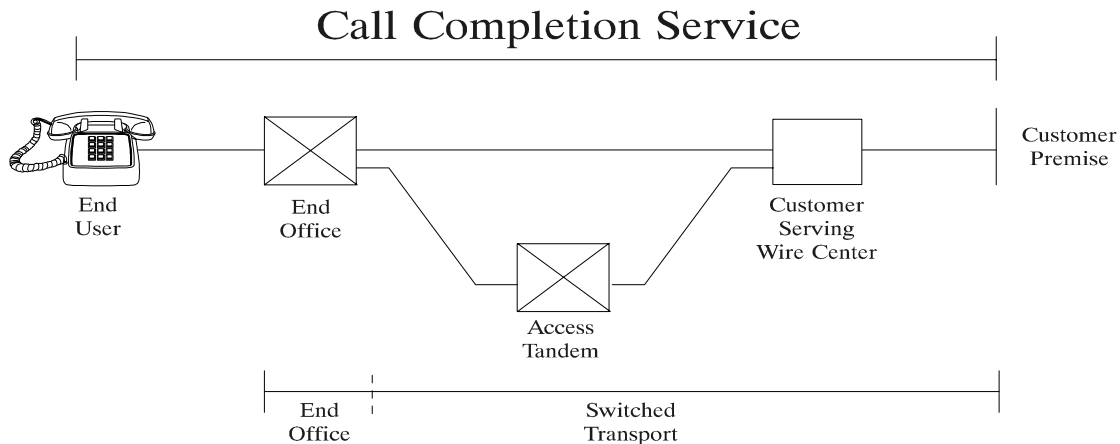
4.7 Call Completion Rate Application

Non-recurring and usage rates apply for each Call Completion Service furnished by the Company. Non-recurring charges are the one time charges that apply for a specific work activity, (e.g., new installations or changes to existing installations). Usage rates apply only when a specific rate element is used. They apply on a per Call Completion Service access minute and are accumulated over a monthly period.

See Current Rates for current rates.

4.7.1 Rate Categories

The following diagram depicts a generic view of the components of Call completion Service and the manner in which the components are combined to provide a complete service.

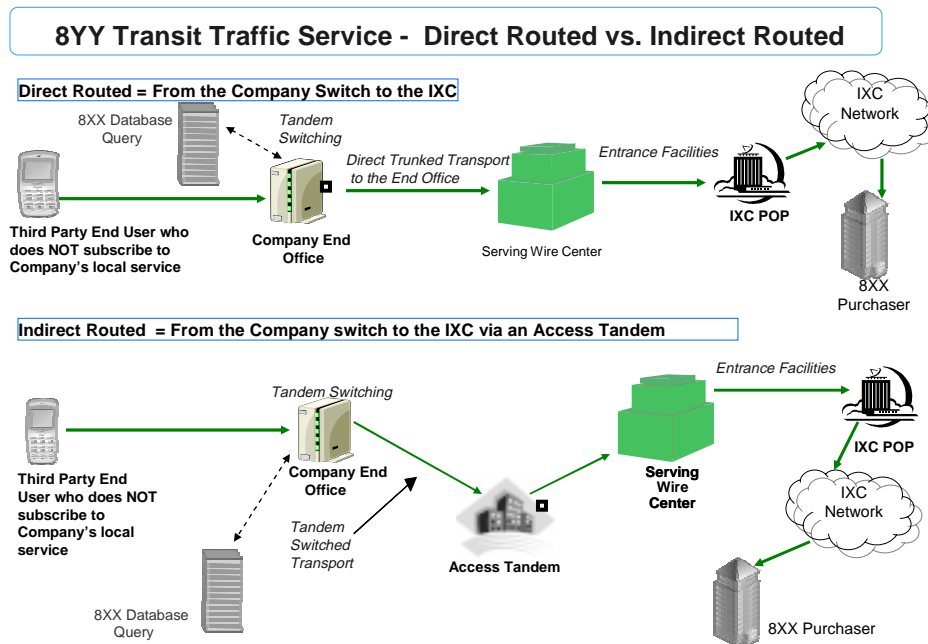


ISSUED: JUNE 23, 2010  
 EFFECTIVE: JULY 23, 2010  
 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.1 Rate Categories (Cont'd.)

The following diagram depicts the call flow for 8YY Transit Traffic Service.

4.7.2 Switched Transport

Switched transport provides the transmission facilities between the customer premises or collocated interconnection location and the Company's end-office switch(es) where the customer's traffic is switched to originate or terminate customer's communications.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.2 Switched Transport (Cont'd.)A. Entrance Facility Rate Category

An Entrance Facility provides the communications path between a customers premises and the Company serving wire center (SWC) of that premises for the sole use of the customer. The Entrance Facility is provided as DS1 and/or DS3 service. An Entrance Facility is required whether the customer's premises and the serving wire center are located in the same or different buildings.

B. Direct Trunk Transport Rate Category

Direct Trunk Transport provides the transmission path from the serving wire center of the customer's premises to an end office or as an option from the serving wire center to a tandem office. This transmission path is dedicated to the use of a single customer.

Direct Trunked Transport rate category is comprised of a monthly fixed rate and a monthly per mile rate based on the facility provided, i.e., DS1 or DS3. The fixed rate provides the circuit equipment at the ends of the transmission links. The per mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The Direct Trunked Transport rate is the sum of the fixed and per mile rates. For purposes of determining the per mile rate, mileage shall be measured as airline mileage between the serving wire center of the customer's premises and the end office or directly to the access tandem using the V&H coordinates method.

C. Tandem Switched Transport Rate Category

Tandem Trunk Transport provides the transmission path from the SWC of the customer's premises to an end office utilizing tandem switching functions. Tandem Switched Transport consists of circuits dedicated to the use of a single customer from the customer's premises to the access tandem and circuits used in common by multiple customers. For Tandem Switched Transport the Company will determine the type of facilities from the SWC of the customer's premises to the end office based on the customer's order for service based on a busy hour minutes of capacity basis or on a per trunk basis.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.2 Switched Transport (Cont'd.)

## C. Tandem Switched Transport Rate Category (Cont'd.)

The Tandem Switched Transport rate category is comprised of a Tandem Transport fixed MOU rate, Tandem Transport Per Mile/Per MOU rate, and a Tandem Switching MOU rate. The fixed rate provides the circuit equipment at the end of the interoffice transmission links. The per mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. For purposes of determining the per mile rate, mileage shall be measured as airline mileage between the tandem office and the end office using the V&H coordinates method for all of the customers usage at that specific tandem. The rate elements applicable to Tandem Switched transport facilities include the fixed and per mile Tandem Switched transport rate elements. The Tandem Switching rate element provides for the tandem switching functions. The Tandem Switched Transport Rate Category applies to Toll Free 8YY Transit Traffic Service.

In addition, the customer has the option to purchase direct trunks to the access tandem as specified above. If the customer chooses this option, the per mile/per MOU rate shall be measured between the tandem office and the end office (common traffic) using the V&H coordinates method for all of the customer's usage at that specific tandem. The tandem transport fixed per MOU and per mile rates will apply. In addition, the Tandem Switching rate will apply when the ILEC charges TCG for tandem switching for UNE-P and when TCG in a facilities-based environment provides tandem switching.

## 1. 8YY Transit Traffic: Direct Routed

For direct-routed 8YY Transit Traffic, the tandem switching rate element will be billed. The tandem switching charge is in addition to the 800 Database Service charged described in Section 4.4.

## 2. 8YY Transit Traffic: Indirect-Routed

For indirect-routed 8YY Transit Traffic, the following 3 rate elements will be billed: Tandem switching, tandem transport (fixed), tandem transport facility (per mile). These rate elements are in addition to the 800 Database Service Charge described in this section.

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.2 Switched Transport (Cont'd.)

## D. Common Channel Signaling Access

Common Channel Signaling Access (CCSA) is comprised of a STP Port Termination rate and a STP Link Transport rate.

STP Port Termination and Transport rates are based on an Individual Case basis and are subject to filing and approval by the Commission.

## Nonchargeable Optional Features

## 1. Out of Band Signaling

- a. This option allows the customer to exchange signaling for FGD call set-up over a communications path which is separate from the message path. This option is provided with SS7 protocol and requires the establishment of a Common Channel Signaling Access Service between the customers SPOI and the Company's STP.
- b. Out of band signaling is provided in both the originating and terminating direction. Each signaling connection is provisioned for two-way transmission of out of band signaling information.

## E. Interface Groups

Interface Groups are provided for terminating the Switched Transport at the customer's premises. Each Interface Group provides a specified interface at the customer's facilities, (e.g., DS1, DS3). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may at the option of the customer be provided with optional features.

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. The interface is provided with individual transmission path bit stream supervisory signaling.

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.2 Switched Transport (Cont'd.)

## E. Interface Groups (Cont'd.)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. The interface is provided with individual transmission path bit stream supervisory signaling.

4.7.3 End Office

The End Office rate category provides for the local switching and end user/origination and termination functions necessary to complete the transmission of Call Completion Services to and from the end users served by the Company's end offices. The End Office rate category consists of the Call Completion rate element.

A. Call Completion Rate Category

The Call Completion rate element provides for the use of end office switching equipment, terminations for the end user lines terminating in the local end office, and for the termination of calls at a Company Intercept operator or recording when provided on Company switches.

The Call Completion rate element (unbundled) provides for the use of end office switching equipment, terminations for the end user lines terminating in the local end office, and for the termination of calls at a Company Intercept operator or recording when provided using unbundled network elements.

ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.3 End Office (Cont'd.)

B. Reserved for Future Use

C. Nonchargeable Optional Features

1. Automatic Number Identification (ANI)  
(Described in 4.4.A preceding)
2. Calling Party Number (CPN)  
(Described in 4.4.B preceding)
3. Charge Number (CN)  
(Described in 4.4.C preceding)
4. Carrier Selection Parameter (CSP)  
(Described in 4.4.D preceding)
5. Common Channel Signaling Access Service (CCSAS)  
(Described in 4.4.F preceding)



ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.3 End Office (Cont'd.)D. Chargeable Optional Features1. 800 Data Base Access Service

## 800 Data Base Query Charge

The basic query charge is assessed the customer based on the query of the 800+NXX+XXXX number dialed and/or delivered to the customer in conjunction with 800 Data Base Access Service or Toll Free 8YY Transit Traffic Service. 800+NXX+XXXX calls delivered to the customer are based on information derived via queries to the 800 Data Base.

See Current Rates for current rates.

2. Operator Transfer

This option allows end user Customers who dial 0- to be transferred to the Customer's Operator service by TCG operators.

See Current Rates for current rates.

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 4 - SWITCHED ACCESS SERVICE

4.7 Call Completion Rate Application (Cont'd.)4.7.4 Feature Group D Usage Measurement

For originating calls over FGD with multi-frequency address signaling, usage measurement begins when the originating entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. For originating calls over FGD with out of band signaling, usage measurement begins when the last point of switching sends the initial address message to the customer.

The measurement of originating call usage over FGD ends when the originating entry switch receives disconnect supervision from either the end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGD, the measurement of access minutes begins when the entry switch receives answer supervision from the terminating end user's end office indicating the terminating end user has answered.

The measurement of terminating call usage over FGD ends when the FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For 800 Data Base Access usage measurement begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination. 800 Data Base Access usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the end office.

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CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 5 - SUPPLEMENTAL SERVICES

5.1 Miscellaneous Services5.1.1 PresubscriptionA. Dialing Parity/1+ IntraLATA

TCG provides the capability for full 2-PIC (IntraLATA toll & InterLATA) dialing parity, allowing TCG customers to presubscribe to one carrier for all InterLATA calls and to the same or another carrier for all IntraLATA toll calls. One InterLATA IXC and one IntraLATA IXC may be selected for each trunk. TCG has converted all its central offices on a statewide basis.

TCG provides full 2-PIC dialing parity in each LATA in which TCG provides service.

TCG has not yet received a bona fide request from an Interexchange Carrier ("IXC") wishing to provide IntraLATA toll service to TCG local service customers. When such a request has been received and implemented, TCG will inform new TCG local service customers of the dialing parity feature and, upon request, will provide customers a randomly ordered list of carriers available to them in their geographic area.

TCG will utilize competitively neutral business office practices when an existing TCG customer contacts TCG to request information on dialing parity or to change to an alternate IntraLATA toll carrier. Upon request, TCG will provide customers a randomly ordered list of IntraLATA toll carriers available to them in their geographic area. Unless an existing TCG subscriber requests a change to their presubscribed IntraLATA toll carrier ("PTC"), any IntraLATA toll traffic will continue to be carried over TCG's network.

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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## SECTION 5 - SUPPLEMENTAL SERVICES

5.1 Miscellaneous Services (Cont'd.)A. Dialing Parity/1+ IntraLATA (Cont'd.)

TCG will accept customer-initiated or carrier-initiated requests for alternate IntraLATA toll carriers. If all necessary access facilities already exist, the PTC selection will be processed within three business days. Should the installation of new access facilities (e.g., from the TCG switch to the IXC or from the customer premises to the TCG switch) be required, the PTC selection will be completed within three business days of the new facilities being fully provisioned and operational. The new facilities will be provisioned within standard provisioning intervals.

At this time, TCG will not impose charges on its customers for presubscribing to an alternate carrier or for changing their PTC selection.

Any carrier that wishes to be listed as a provider of IntraLATA toll service must notify TCG at least 30 days before offering service. A carrier that wishes to offer IntraLATA toll service to TCG local customers must establish direct interconnection of its network with the TCG network. Other Access Service Request ("ASR") requirements are available from the TCG Carrier Service Center. TCG will implement ASRs that require the installation of new access facilities in accordance with standard provisioning intervals.

Because TCG has not yet received an ASR to provide IntraLATA toll dialing parity, TCG has not sent out customer notices regarding its implementation of dialing parity. TCG will provide notice to its subscribers of the availability of IntraLATA toll dialing parity by means of a one-time mailing. This mailing will be sent within 60 days of the Commission's approval of this plan, provided that at least one ASR has been received from an alternate carrier.

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 1

ISSUED: JUNE 23, 2010  
 EFFECTIVE: JULY 23, 2010  
 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

CURRENT RATES

General - The prices associated with TCG Ohio's Services are listed by the tariff Section number. For a detailed description of each product offering and affiliated regulations, please refer to the main body of the tariff.

3.6 Rates for Dedicated Access Services3.6.3 DS3 Service (44.736 Mbps)A. Basic DS3 Service

This service consists of a DS3 (44.736 Mbps) capacity digital channel available on a 24 hour per day, 7 day per week basis between two points. There is a 1-year minimum service period for each Basic DS3.

1. Local Distribution Channel: This rate element applies to each end-point of a transmission channel.

Non-Recurring		<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>
		\$1,110	\$476	\$46

Recurring (per month)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$2,285	\$2,349	\$2,498
3 years	\$1,161	\$1,204	\$1,234
5 years	\$933	\$965	\$988

2. Interoffice Channel Mileage-Fixed:

Recurring (per month)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$310	\$310	\$310
3 years	\$277	\$277	\$277
5 years	\$261	\$261	\$261

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 2

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 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

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CURRENT RATES3.6 Rates for Dedicated Access Services (Cont'd.)3.6.3 DS3 Service (44.736 Mbps)A. Basic DS3 Service3. Interoffice Channel Mileage-Per Mile:

Recurring (per month per mile)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$96	\$96	\$96
3 years	\$67	\$67	\$77
5 years	\$38	\$38	\$59

4. Volume Discounts - Basic Service - Local Distribution Channel (Per End):

<u># of DS3s</u>		<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>
2	Zone 1	\$1,619	\$1,135	\$913
	Zone 2	\$1,660	\$1,174	\$944
	Zone 3	\$1,758	\$1,203	\$965
3	Zone 1	\$1,508	\$1,097	\$884
	Zone 2	\$1,546	\$1,135	\$913
	Zone 3	\$1,634	\$1,161	\$933
4-6	Zone 1	\$1,390	\$1,078	\$828
	Zone 2	\$1,424	\$1,102	\$842
	Zone 3	\$1,503	\$1,157	\$879
7-12	Zone 1	\$1,168	\$884	\$710
	Zone 2	\$1,195	\$901	\$722
	Zone 3	\$1,257	\$941	\$748
13-24	Zone 1	\$977	\$735	\$631
	Zone 2	\$998	\$746	\$639
	Zone 3	\$1,045	\$775	\$660

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 3

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 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

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CURRENT RATES3.6 Rates for Dedicated Access Services (Cont'd.)3.6.4 Basic DSL Service (1.544 Mbps)A. Local Distribution Channel:

Non Recurring \$270.00

Recurring (per month)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$163	\$169	\$181
3 years	\$119	\$123	\$132
5 years	\$107	\$111	\$119

B. Interoffice Channel Mileage-Fixed:

Recurring (per month)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$62	\$62	\$62
3 years	\$36	\$36	\$45
5 years	\$24	\$24	\$41

C. Interoffice Channel Mileage-Per Mile:

Recurring (per month per mile)

<u>Basic Service</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1 year	\$22	\$22	\$22
3 years	\$15	\$15	\$15
5 years	\$13	\$13	\$13

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 4

ISSUED: JUNE 23, 2010  
 EFFECTIVE: JULY 23, 2010  
 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

CURRENT RATES3.6 Rates for Dedicated Access Services (Cont'd.)3.6.5 Hubbed DS1 Service

This service consists of up to 28 DS1 (1.544 Mbps) digital channels, which are aggregated at a Company Node onto a standard DS3 circuit with Interoffice Mileage and a Local Distribution Channel at the terminating end. There is a minimum 1-year service period for each Hubbed DS1 Service. Hubbed DS1's consist of 3 rate elements:

- A. DS1 Local Distribution Channels - Rated as a standard DS1 Local Distribution Channel.
- B. Central Office Multiplexing - Aggregates the 28 DS1's onto DS3 interoffice facilities.

Monthly Recurring

Non-Recurring		<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>
\$0.01*		\$559	\$501	\$471

- C. DS3 Interoffice Mileage/Local Distribution Channel - Rated as standard DS3 Circuit.

Hubbed DS1 Service Rates:Monthly Recurring

Service Configuration	Non-Recurring	<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>
DS1 Fanout Channel	\$270 (Zone 1) (Zone 2) (Zone 3)	\$163 \$169 \$181	\$119 \$123 \$132	\$107 \$111 \$119
DS3 Channel Between Client Location/TC Node	\$0.01* (Zone 1) (Zone 2) (Zone 3)	\$2,285 \$2,349 \$2,498	\$1,161 \$1,204 \$1234	\$933 \$965 \$988
Optional DS3/1 Mux @ Client Location	\$900	\$559	\$501	\$471

\* Rate currently waived.



ISSUED: JUNE 23, 2010  
EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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CURRENT RATES3.6 Rates for Dedicated Access Services (Cont'd.)3.6.6. DS0 ServiceA. Local Distribution Channel1. Non-Recurring Charges

2 Wire Voice Grade	\$325.00
4 Wire Voice Grade	\$325.00
2.4 to < 56 Kbps	\$400.00
56 or 64 Kbps	\$400.00
56 or 64 Kbps x N	\$250 x N 2/ \$3,000 Max

2. Monthly Charges

2 Wire Voice Grade	\$23.00
4 Wire Voice Grade	\$40.00
2.4 to < 56 Kbps	\$75.00
56 or 64 Kbps	\$75.00
56 or 64 Kbps x N	\$75.00

B. Interoffice Mileage

	<u>Fixed</u>	<u>Per Mile</u>
2 Wire Voice Grade	\$13.00	\$1.00
4 Wire Voice Grade	\$13.00	\$1.00
2.4 to < 56 Kbps	\$13.00	\$1.00
56 or 64 Kbps	\$13.00	\$1.00
56 or 64 Kbps x N	\$13.00	\$1.00

3.6.7 Hubbed DS0 Service

<u>Standard Rate Elements</u>	<u>Non-Recurring</u>	<u>Monthly Recurring</u>		
		<u>1 Year</u>	<u>3 Year</u>	<u>5 Year</u>
DS1 Service	- - - Standard DS1 Rate Schedule	- - -	- - -	- - -
DS1/0 MUX @ TC Node	\$0	\$330	\$247	\$232
DS0 Fanout Channel	- - - Standard DS1 Rate Schedule	- - -	- - -	- - -

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EFFECTIVE: JULY 23, 2010  
CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

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CURRENT RATES

3.7 Non-Standard Offerings

3.7.1 Special Arrangements

Where the Company furnishes a facility or service for which a rate or charge is not specified in the Company's Tariffs, charges based on cost will apply.

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 7

ISSUED: JUNE 23, 2010  
 EFFECTIVE: JULY 23, 2010  
 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

CURRENT RATES4.6 Call Completion Rates

## SERVICE ORDERS

Service Component	Non-Recurring Charge
-Installation Charge -Per Line or Trunk	\$931.00
-Access Order Charge - Per Access Request	\$45.00
-Engineering Change Charge - Per Access Request	\$80.00
-Service Date Change - Per Access Request	\$18.00
-Design Change - Per Access Request	\$54.00

## SWITCHED TRANSPORT

Service Component	Rates	
	Non-Recurring	Recurring
Entrance Facility-DS3	Rate Currently Waived	1 Yr: Zone 1 \$2285\Zone 2 \$2349\Zone 3 \$2498 3 Yr: Zone 1 \$1161\Zone 2 \$1204\Zone 3 \$1234 5 Yr: Zone 1 \$933 \Zone 2 \$965\Zone 3 \$ 988
Entrance Facility-DS1	\$270	1 Yr: Zone 1 \$163 \Zone 2 \$169 \Zone 3 \$181 3 Yr: Zone 1 \$119 \Zone 2 \$123 \Zone 3 \$132 5 Yr: Zone 1 \$107 \Zone 2 \$111 \Zone 3 \$119
Direct Trunked Transport Mileage	Non-Recurring	Recurring
-DS3 Fixed	None	\$310.00
-DS3 Per Mile	None	\$96.00
-DS1 Fixed	None	\$62.00
-DS1 Per Mile	None	\$22.00
Tandem Switched Transport	Non-Recurring	Per Access Minute
-Tandem Trans. Fixed	None	\$.000103
-Tandem Trans. Per Mile	None	\$.000013
-Tandem Switching	None	\$.001116
Common Channel Signaling Access	Non-Recurring	Recurring

## ACCESS AND INTERCONNECTION SERVICES

CURRENT RATES  
ORIGINAL SHEET 8

ISSUED: JUNE 23, 2010  
 EFFECTIVE: JULY 23, 2010  
 CAROL PAULSEN, DIRECTOR  
 208 S AKARD ST., DALLAS, TX, 75202

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CURRENT RATES4.6 Call Completion Rates (Cont'd.)

## END OFFICE

Service Component	Originating (\$ Per MOU)	Terminating (\$ Per MOU)
Call Completion - No Minimum Volume	\$ .003487	\$ .003487
Call Completion - Unbundled	\$ .003487	\$ .003487

## 800 DATABASE ACCESS

Service Component	Non-Recurring	Per Query
800 Data Base Query	None	\$0.002303

## OPERATOR TRANSFER

Service Component	Non-Recurring	Per Call
Operator Transfer (per call)	None	\$0.28

## PRESUBSCRIPTION (IntraLATA Presubscription Change Charge, per line)

Service Component	Non-Recurring	Recurring
Presubscription (Manual PIC Change)	\$5.00	None
Presubscription (Electronic PIC Change)	\$0.00	None

\*When the interLATA and intraLATA PICs are changed simultaneously,  
 50% of the intraLATA PIC Change Charge will be waived.