

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

14 - Exceptions to Access Service Offerings

The services offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

ALL STATES

The following items are not offered in the operating territory of this Company.

14.1 Interstate Served Direct Foreign Exchange Service

With the exception of End User Access Service and BellSouth Equal Access Subscription service, as set forth in Section 4. and 13.3.3 preceding, respectively, the regulations and rates set forth in this tariff do not apply to customers for the type of connections and in the locations listed following. The regulations and rates for these connections are the applicable Telephone Exchange Service regulations and rates specified in the General Subscriber Service Tariff for the Exchange Service tariff for the exchange from which the connection is provided. In addition, regulations and rates for the associated channel between the locality in which the customer is located and the exchange from which the connection is provided, apply as specified in AT&T-C's Tariff F.C.C. No. 9 for interLATA channels furnished for Exchange Service or its successor tariff for comparable channels.

<u>Customer Location</u>		<u>Exchange from Which</u>	<u>Type of</u>
<u>Locality</u>	<u>State</u>	<u>Connection is</u>	<u>Connection</u>
		<u>Provided</u>	
McClellan,	AL.	Munson, FL.	Individual
Francisco,	AL.	Huntland, TN.	2-Party
Kings Grove,	TN.	Bridgeport, AL.	2-Party

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

The operating territory of the Telephone Company is comprised of the following locations, defined by the name of the LATA, and names of rate centers, for the states of ALABAMA, FLORIDA, GEORGIA, KENTUCKY, LOUISIANA, MISSISSIPPI, NORTH CAROLINA, SOUTH CAROLINA and TENNESSEE.

15.1 ALABAMA

15.1.1 Birmingham - LATA

Rate Centers:

Alabaster	Colombiana	
Albertville	Cordova	
Alexander City	Dadeville	Munford
Anniston	Dora	Ohatchee
Attalla	Eutaw	Parrish
Bessemer	Fort Payne	Piedmont
Birmingham	Gadsden	Pinson
Boaz	Gardendale	Sylacauga
Bridgeport	Goodwater	Talladega
Calera	Graysville	Tuscaloosa
Carbon Hill	Guntersville	Vincent
Centerville	Jacksonville	Warrior
Chelsea	Jasper	West Blocton
Childersburg	Livingston	York
Clanton	Montevallo	

15.1.2 Huntsville - LATA

Rate Centers:

Athens	Hanceville	Madison
Courtland	Hartselle	Moulton
Cullman	Hazel Green	Red Bay
Decatur	Huntsville	Rogersville
Florence	Killen	Russellville
Gurley	Leighton	Shefford
	Lexington	Town Creek
		Red Bay, MS

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.1 ALABAMA (Cont'd)

15.1.3 Mobile - LATA

Rate Centers:

Bay Minette
Belle Fontaine
Brewton

Citronelle
Evergreen
Fairhope
Flomation

Jackson
McIntosh
Mobile
Mount Vernon
(Mobile Co.)
Century, FL

15.1.4 Montgomery - LATA

Rate Centers:

Auburn
Clayton
Demopolis
Eufaula
Fort Deposit
(Sumter Co.)
Greensboro

Holtville
Hurtsboro
Lafayette
Linden
Maplesville
Marion
Montgomery
Opelika

Prattville
Selma
Thomasville
Troy
Tuskegee
Uniontown
Wetumpka
Georgetown, GA

15.2 FLORIDA

15.2.1 Pensacola - LATA

Rate Centers:

Cantonment
Gulf Breeze

Holly Navarre
Jay
Milton

Munson
Pace
Pensacola
Clear Springs, AL

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.2 FLORIDA (Cont'd)

15.2.2 Panama City - LATA

Rate Centers:

Chipley	Lynn Haven	Sunny Hills
Graceville	Panama City	Vernon
Havana	Panama City Beach	Youngstown-Fountain

15.2.3 Jacksonville - LATA

Rate Centers:

Baldwin	Lake City	Pomona Park
Fernandina Beach	Maxville	Ponte Verdra Beach
Fort George	Middleburg	Saint Augustine
Green Cove Springs	Orange Park	Welaka
Jacksonville	Palatka	Yulee
Jacksonville Beach		
Julington		

15.2.4 Gainesville - LATA

Rate Centers:

Archer	Dunnellon	Newberry
Bronson	Gainesville	Old Town
Brooksville	Hawthorne	Trenton
Cedar Keys	Keystone Heights	Weekiwachee Springs
Chiefland	Micanopy	Yankeetown
Cross City		

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.2 FLORIDA (Cont'd)

15.2.5 Daytona Beach - LATA

Rate Centers:

Bunnell	Deleon Springs	Oak Hill
Daytona Beach	Flagler Beach	Palm Coast
Deland	New Smyrna Beach	Pierson

15.2.6 Orlando - LATA

Rate Centers:

Cocoa	East Orange	Oviedo
Cocoa Beach	Geneva	Sanford
DeBary	Melbourne	Titusville
Eau Gallie	Orlando	

15.2.7 Southeast - LATA

Rate Centers:

Belle Glade	Hollywood	NorthKey Largo
Big Pine	Homestead	Pahokee
Boca Raton	Islamorada	Perrine
Boynton Beach	Jensen Beach	Pompano Beach
Coral Springs	Jupiter	Port St. Lucie
Deerfield Beach	Key Largo	Sebastian
Delray Beach	Key West	Stuart
Fort Lauderdale	Marathon	Sugarloaf Key
Fort Pierce	Miami	Vero Beach
Hobe Sound	North Dade	West Palm Beach

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.3 GEORGIA

15.3.1 Atlanta - LATA
Rate Centers:

Acworth	Elberton	Norcross
Adairsville	Fairburn	Palmetto
Alpharetta	Fayetteville	Panola
Athens	Flowery Branch	Pine Mountain
Atlanta	Franklin	Powder Springs
Austell	Gainesville	Rockmart
Barnesville	Gay	Rome
Bogart-Statham	Grantville	Roopville
Bowdon	Greensboro	Roswell
Bremen	Greenville	Royston
Buchanan	Griffin	Rutledge
Buford	Hamilton	Senoia
Calhoun	Hampton	Smyrna
Carrollton	Hogansville	Social Circle
Cartersville	Jackson	Stockbridge
Cave Springs	Jonesboro	Stone Mountain
Cedartown	Kingston	Tallapoosa
Chamblee	La Grange	Temple
Clermont	Lawrenceville	Tucker
Columbus	Lithonia	Villa Rica
Concord	Loganville	Watkinsville
Conyers	Lula	Woodbury
Covington	Luthersville	Woodstock
Cumming	Madison	Zebulon
Cusseta	Marietta	Fruithurst, AL
Dallas	McDonough	Oakland, AL
Douglasville	Monticello	Phenix City, AL
Duluth	Newnan	Ranburne, AL
Eatonton		

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.3 GEORGIA

15.3.2 Albany - LATA

Rate Centers:

Albany	Cordele	Richland
Americus	Lake Park	Smithville
Arlington	Leary	Sparks
Baconton	Leesburg	Sylvester
Bainbridge	Lumpkin	Thomasville
Camilla	Newton	Tifton
Colquitt	Pelham	Valdosta

15.3.3 Augusta - LATA

Rate Centers:

Appling	Sardis	Wrens
Augusta	Sparta	Aiken, SC
Gibson	Swainsboro	Bath, SC
Harlem	Thomson	Beech Island, SC
Hephzibah	Wadley	Edgefield, S.C.
Louisville	Warrenton	Graniteville, SC
Millen	Waynesboro	New Ellenton, SC
		North Augusta, SC

15.3.4 Macon - LATA

Rate Centers:

Cochran	Forsyth	Sandersville-Tennille
Dublin	Fort Valley	Warner Robins
Eastman	Macon	Wrightsville

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.3 GEORGIA (Cont'd)

15.3.5 Savannah - LATA

Rate Centers:

Baxley	Jesup	Savannah
Blackshear	Johnson Corner	St. Simons Island
Brunswick	Lumber City	Tybee Island
Claxton	Lyons	Vidalia
Hazlehurst	Pooler	Waycross
Jekyll Island		

15.4 KENTUCKY

15.4.1 Louisville - LATA

Rate Centers:

Bagdad	Lawrenceburg	Shelbyville
Bardstown	La Grange	Simpsonville
Bedford	Lebanon Junction	
Bloomfield	Louisville	Sulphur
Campbellsburg	Milton	Taylorsville
Carrollton	Mount Eden	Waddy
Chaplin	New Haven	West Point
Cropper	New Liberty	Galena, IN
Eminence	Owenton	Jeffersonville, IN
Finchville	Port Royal	Charlestown, IN
Frankfort	Rose Terrace	Cumberland, Gap, IN
Georgetown		New Albany, IN
Ghent		New Washington, IN
		Sellersburg, IN

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.4 KENTUCKY (Cont'd)

15.4.2 Owensboro - LATA

Rate Centers:

Aurora	Earlington	Hopkinsville
Beaver Dam	Eddyville	Island
Benton	Elkton	La Fayette
Bluff Springs	Ensor	Livermore
Bowling Green	Fordsville	Maceo
Bremen	Franklin	Madisonville
Cadiz	Fredonia	Marion
Calhoun	Fulton	Mayfield
Canton	Gilbertsville	McDaniels
Cayce	Gracey	Morganfield
Centertown	Greenville	Morgantown
Central City	Guthrie	Mortons Gap
Clay	Habit	Murray
Clinton	Hanson	Nebo
Cloverport	Hardinsburg	Nortonville
Corydon	Hartford	Owensboro
Crofton	Hawesville	Paducah
Dawson Springs	Hebbardsville	Panther
Dixon	Henderson	Pembroke
Drakesboro	Hickman	Pleasant Ridge

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.4 KENTUCKY (Cont'd)

15.4.2 Owensboro - LATA (Cont'd)

Princeton	Slaughters	Symsonia
Providence	Sorgho	Trenton
Robards	St. Charles	Utica
Russleville	Stanley	Water Valley
Sacramento	Sturgis	West Louisville
Sebree		Whitesville
Sharon Grove		Woodburn
		South Fulton, TN
		South Guthrie, TN

15.4.3 Winchester - LATA

Rate Centers:

Allen	Jackson	Pikeville
Beattyville	Junction City	Pineville
Benham-Lynch	Kirksville	Prestonsburg
Burgin	Little Rock	Richmond
Carlisle	Louisa	Sadieville
Corbin	Mackville	Salvisa
Cornishville	Martin	South Williamson
Crab Orchard	Maysville	Springfield
	McDowell	Stamping Ground
Cynthiana	Middlesboro	Stanford
Danville	Millersburg	Stanton
Elkhorn City	Mooreville	Stone
Fedscreek	Mount Sterling	Virgie
Ford	Neon	Waco
Freeburn	North Middletown	Wallins Creek
Harlan	Paintsville	Warfield
Harrodsburg	Wayland	
Inez	Perryville	Whitesburg
		Williamsburg
		Willisburg
		Winchester
		Wooten
		Cumberland Gap, TN
		Fork Ridge, TN

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EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.5 LOUISIANA

15.5.1 Baton Rouge - LATA

Rate Centers:

Albany	Lutcher	St. Gabriel
Baton Rouge	Morganza	Tunica
Clinton	New Roads	Vacherie
Convent	Plaquemine	White Castle
Denham Springs	Rougon	Wilson
Donaldsville	Springfield	Zachary
Jackson	St. Francisville	
Livingston		

15.5.2 LaFayette - LATA

Rate Centers:

Abbeville	Jeanerette	New Iberia
Baldwin	Jennings	Opelousas
Broussard	Krotz Springs	Port Barre
Carencro	La Fayette	Rayne
Centerville	Lake Arthur	St. Martinsville
Crowley	Lake Charles	Sulphur
De Ridder	Lawtell	Sweet Lake
Duson	Leesville	Vinton
Erath	(Vernon Pav.)	Washington
Eunice	Leonville	Weeks Island
Franklin	Loreauville	Youngsville
Gueydan	Melville	Merryville

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.5 LOUISIANA (Cont'd)

15.5.3 New Orleans - LATA

Rate Centers:

Amite City	Jesuit Bend	New Orleans
Angie	Kenner	Norco
Bogalusa	Kentwood	Paradis
Buras	Labadieville	Patterson
Bush	Lacombe	Pearl River
Chackbay	Lafitte	Pierre Part
Covington	Lake Catherine	Pilottown
Delacroix	LaPlace	Pine
Dulac	Lockport	Pointe Ala Hache
Edgard	Luling	Ponchatoula
Folsom	Madisonville	Port Sulphur
Franklinton	Mandeville	Raceland
Gibson (N)	Montegut	Slidell
Hammond	Morgan City	St. Bernard
Houma	Mount Herman	Thibodaux
Independence	Napoleonville	Venice
		Yscloskey
		Crossroads, MS

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.5 LOUISIANA (Cont'd)

15.5.4 Shreveport - LATA

Rate Centers:

Alexandria	Fort Necessity	Monroe
Arcadia	Georgetown	Monterey
Bastrop	Gibbsland	Montgomery
Benton	Grambling	Mooringsport
Bernice	Grand Cane	Natchitoches
Blanchard	Greenwood	Newellton
Boyce	Harrisonburg	Oakdale
Bunkie	Haughton	Oak Grove
Calhoun	Haynesville	Oil City
Castor	Homer	Pollock
Colfax	Hornbeck	Rayville
Columbia	Jonesboro	Robeline
Converse	Jonesville	Ruston
Coushatta	Keatchie	Saint Joseph
Crowville	Keithville	St. Landry
Delhi	Lake Providence	Saline
Doyline	La Compte	Shreveport
Dry Prong	Lisbon	Sicily Island
Dubach	Logansport	Simsboro
Epps	Mansfield	Sterlington
Farmerville	Many	Tallulah
Ferriday (N)	Marksville	Vidalia
Florien	Mer Rouge	Waterproof
	Minden	Winnifield
		Winnsboro
		Zwolle

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.6 MISSISSIPPI (Cont'd)

15.6.1 Jackson - LATA

Rate Centers:

Aberdeen	Columbus	Hattiesburg
Amory	Columbus Air	Hazlehurst
Ashland	Force Base	Heidelberg
Baldwyn	Como	Hollandale
Batesville	Corinth	Holly Springs
Beaumont	Crenshaw	Houston
Belmont	Crystal Springs	Indianola
Belzoni	DeKalb	Inverness
Benoit	Drew	Itta Bena
Blue Mountain	Duck Hill	Iuka
Bolton	Duffee	Jackson
Booneville	Duncan	Jonestown
Brandon	Durant	Kilmichael
Briarwood	Edwards	Kosciusko
Brookhaven	Ellisville	Lake
Buckatunna	Enterprise	Laurel
Burnsville	Ethel	Leland
Caledonia	Eupora	Lexington
Canton	Fayette	Liberty
Carrollton	Flora	Louisville
Carthage	Forest	Lucedale
Centreville	Friars Point	Lula
Charleston	Gloster	Lumberton
Clarksdale	Goodman	Lynville
Cleveland	Greenville	Maben
Clinton	Greenwood	Macon
Coffeeville	Grenada	Madison
Coldwater	Gunnison	Magee
Collins		
Columbia		

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.6 MISSISSIPPI (Cont'd)

15.6.1 Jackson - LATA (Cont'd)

Rate Centers:

Magnolia	Picayune	Starkville
Marks	Pickens	Sumner
McComb	Pontotoc	Sumrall
McCool	Poplarville	Tailorsville
McLain	Port Gibson	Tchula
Mendenhall	Purvis	Terry
Meridian	Quitman	Toomsuba
Mize	Raleigh	Tunica
Monteray, LA	Raymond	Tupelo
Monticello	Richton	Tutwiler
Moorehead	Ripley	Tylertown
Morton	Rolling Fork	Union
Mount Olive	Rosedale	Utica
Natchez	Roxie	Vaiden
Naval Air Station	Ruleville	Verona
Nettleton	Sardis	Vicksburg
New Albany	Scooba	Walnut
Newton-Hickory	Seminary	Water Valley
Oakland	Senatobia	Waynesboro
Obadiah	Shannon	Wesson
Okolona	Shaw	West
Osyka	Shelby	West Point
Oxford	Shubuta	Wiggins
Pace	Shuqualak	Winona
Pelahatchie	Silver Creek	Woodville
Philadelphia		Yazoo City
		Delta, LA
		South Osyka, LA
		Melvin, AL
		Michie, TN
		North Cornor, LA

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.6 MISSISSIPPI (Cont'd)

15.6.2 Biloxi - LATA

Rate Centers:

Bay St. Louis
Biloxi
Gulfport

Hurley
Moss Point
Ocean Springs
Pascagoula

Pass Christian
Pearlington
Vancleave
Pearlington, LA

15.7 NORTH CAROLINA

15.7.1 Asheville - LATA

Rate Centers:

Arden
Asheville
Black Mountain
Canton
Clyde

Enka-Candler
Fairview
Hendersonville
Lake Lure

Leicester
Maggie Valley
Swannanoa
Waynesville

15.7.2 Charlotte - LATA

Rate Centers:

Belmont
Bessimer City
Blowing Rock
Boone
Caroleen
Charlotte
Cherryville
Claremont
Cleveland
Davidson
Denver
Ellenboro
Forest City
Gastonia
Grover
Huntersville

Kings Mountain
Lattimore
Lawndale
Lenoir
Lincolnton
Locust
Lowell
Maiden
Morganton
Mount Holly
Newland
Newton
Rutherfordton
Salisbury
South Crowders Creek,
Shelby

Spruce Pine
Stanley
Statesville
Stony Point
Taylorsville
Troutman
Antioch, SC
Clover, SC
Hickory Grove, SC
Lake Wylie, SC
Lake Wylie West, SC
Mill Creek, SC
Sharon, SC
York, SC

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.7 NORTH CAROLINA (Cont'd)

15.7.3 Greensboro - LATA

Rate Centers:

Anderson
Burlington
Greensboro
Julian

Monticello
Reidsville
Ruffin

Saxapahaw
Summerfield
Winston Salem

15.7.4 Raleigh - LATA

Rate Centers:

Apex
Cary
Chapel Hill
Goldsboro

Grantham
Knightdale
Mount Olive
Raleigh

Selma
Wendell
Zebulon

15.7.5 Wilmington - LATA

Rate Centers:

Acme
Atkinson
Burgaw
Carolina Beach
Castle Hayne
Fairmont

Gibson
Hamlet
Laurinburg
Long Beach
Lumberton
Pembroke
Rockingham

Rowland
Scotts Hill
Southport
Wilmington
Wrightsville Beach
Newtonville, SC
Rowland, SC

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.8 SOUTH CAROLINA

15.8.1 Greenville - LATA

Rate Centers:

Anderson	Greenville	Piedmont
Belton	Greer	Salem
Blacksburg	Honea Path	Seneca
Blue Ridge	Joanna	Six Mile
Central	Jonesville	Spartanburg
Clemson	Liberty	Travelers Rest
Clinton	Lyman	Union
Cowpens	Pacolet	Walhalla
Easley	Pelzer	Westminister
Fountain Inn	Pendelton	Williamston
Gaffney	Pickens	

15.8.2 Florence - LATA

Rate Centers

Bennetttsville	Florence	Marion
Blenheim	Hartsville	Mullins
Cheraw	Lake View	Nichols
Clio	Latta	Society Hill
Darlington	McColl	Timmons ville
Dillon		

15.8.3 Columbia - LATA

Rate Centers:

Allendale	Chapin-Lt. Mtn. North	Newberry
Bamberg	Columbia	Orangeburg
Barnwell	Denmark	Prosperity
Batesburg	Eastover	Springfield-Salley
Blackville	Edgefield	St. George
Camden	Johnston	Whitmire
Chapin-Lt. Mtn. South		

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.8 SOUTH CAROLINA (Cont'd)

15.8.4 Charleston - LATA

Rate Centers:

Charleston
Edisto Island
Folly Beach

Isle of Palms
Mount Pleasant

Sullivan's Island
Summerville

15.9 TENNESSEE

15.9.1 Chattanooga - LATA

Rate Centers:

Benton
Charleston
Chattanooga
Cleveland
Copper Basin
Dayton
Decatur

Jasper
Soddy-Daisy
South Pittsburg

Spring City
Tennega, GA
Whitwell
Bridgeport, AL
Liberty-Cherokee Co. NC
Bridgeport, AL
Liberty-Cherokee Co., NC
McCaysville, GA
Rossville, GA
Stevenson, AL

15.9.2 Knoxville - LATA

Rate Centers:

Athens
Bean Station
Bulls Gap
Clinton
Dandridge
Etowah
Gatlinburg
Greenback
Harriman
Jefferson City
Jellico
Kingston

Knoxville
La Follette
Lake City
Lenoir City
Loudon
Madisonville
Maryville
Mascot-Strawberry Plains
Maynardsville
Morristown
Newport
Norris

Oak Ridge
Oliver Springs
Rockwood
Rogersville
Sevierville
Sneedville
Surgoinsville
Sweetwater
White Pine
Jellico, KY
Waterville, NC

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.9 TENNESSEE (Cont'd)

15.9.3 Memphis - LATA

Rate Centers:

Arlington	Halls	Milan
Bells	Henderson	Moscow
Bethel Springs	Henning	Newbern
Big Sandy	Hornbeak	Paris
Bolivar	Humboldt	Pinson
Brownsville	Huntington	Ridgely
Camden	Jackson	Ripley
Cedar Grove	Jordan	Savannah
Collierville	Kenton	Selmer
Covington	Lexington	Savannah
Dyer	McKenzie	Selmer
Dyersburg	Medina	Somerville
Gibson	Memphis	Tiptonville
Gleason	Middleton	Trenton
Grand Junction		Troy
Greenfield		Union City
Greenfield		Whiteville
		Bessie Bend, KY
		Hernando, MS
		Memphis, MS
		Michigan City, MS
		Mount Pleasant, MS
		Olive Branch, MS
		South Moscow, MS

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

15 - Operating Territory of the Telephone Company

15.9 TENNESSEE (Cont'd)

15.9.4 Nashville - LATA

Rate Centers:

Adams-Cedar Hill	Greenbriar	Portland
Ashland City	Hampshire	Prospect
Blanche	Hartsville	Pulaski
Carthage	Hendersonville	Sango
Centerville	Hohenwald	Sante Fe
Charlotte	Huntland	Sewanee
Clarksville	Lawrenceburg	Shelbyville
Clinchport	Lebanon	Smyrna
Columbia	Lewisburg	Somerville
Cross Plains-Orlinda	Lyles	South Oak Grove
Culleoka	Lynchburg	Springfield
Cumberland City	Lynnville	Spring Hill
Cunningham	Manchester	Summertown
Dickson	McEwen	Truine
Dover	Mount Pleasant	Tullahoma
Eagleville	Murfreesboro	Vanleer
Elkton	Nashville	Veto
Fairview	Normandy	Wartrace
Fayetteville	Old Hickory	Watertown
Flintville	Palmyra	Waverly
Franklin	Petersburg	White Bluff
Fredonia	Pleasant View	White House
Gallatin		Williamsport
Goodlettsville		Winchester
		Franciso, AL
		Oak Grove, Ky

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

16 - BellSouth Telecommunications Relay Service Transport

16.1 BellSouth Telecommunications Relay Service Transport

16.1.1 General Description

BellSouth Telecommunications Relay Service Transport provides a transport facility connecting a BellSouth Telecommunications Relay Service center's premises and a suitably equipped Telephone Company digital tandem switching office for originating switched BellSouth Telecommunications Relay Service Transport traffic to an interexchange carrier (IC). The service provides a dedicated 1.544 Mbps communications path, originating at the BellSouth Telecommunications Relay Service Transport center's premises and terminating in a suitably equipped Telephone Company digital tandem switch for switching as 24 individual voice grade (a.k.a. BellSouth SPA DSO VG) channels.

16.1.2 Undertaking of the Telephone Company

- (A) BellSouth Telecommunications Relay Service Transport calls will be routed to the IC of choice specified by the calling party to the BellSouth Telecommunications Relay Service Transport center upon receipt of proper call routing information from the BellSouth Telecommunications Relay Service Transport center. The specified IC must have BellSouth SWA FGD or BellSouth SWA TSBSA service at the Telephone Company tandem switch to which the BellSouth Telecommunications Relay Service Transport is interconnected.
- (B) Other provisions of this Tariff apply except to the extent inconsistent with the provisions of this section.

16.1.3 Obligation of the Customer

- (A) The BellSouth Telecommunications Relay Service Transport center must specify the suitably equipped Telephone Company digital tandem switching office at which BellSouth Telecommunications Relay Service Transport traffic will be interconnected for routing to the IC of choice.
- (B) The BellSouth Telecommunications Relay Service Transport center shall provide all necessary call routing information. This information shall include Automatic Number Identification of the calling party, Automatic Number Identification II digits for identification of the call as associated, the calling party's called number and the carrier identification code of the calling party's interexchange carrier of choice.

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ACCESS SERVICE

16 - BellSouth Telecommunications Relay Service Transport

16.1 BellSouth Telecommunications Relay Service Transport

6.1.3 Obligation of the Customer (cont'd)

- (C) The BellSouth Telecommunications Relay Service Transport center will route BellSouth Telecommunications Relay Service Transport calls to only those ICs with BellSouth SWA FGD or BellSouth SWA TSBSA 3 service at the BellSouth Telecommunications Relay Service Transport center designated Telephone Company tandem switch.
- (D) Only BellSouth Telecommunications Relay Service Transport related traffic may be completed over the BellSouth Telecommunications Relay Service Transport facility.

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ACCESS SERVICE

16 - BellSouth Telecommunications Relay Service Transport (Cont'd)

16.1 BellSouth Telecommunications Relay Service Transport (Cont'd)

16.1.4 Jurisdictional Report Requirements

When a customer initially orders BellSouth Telecommunications Relay Service Transport, the customer shall state in its order the Percentage Interstate Usage (PIU). PIU information shall also be furnished quarterly to the Telephone Company thereafter, following all rules and regulations as required in Section 2, preceding.

16.1.5 Ordering Provisions

Ordering provisions are as set forth in Section 5, preceding, with the following exceptions:

- (A) The BellSouth Telecommunications Relay Service Transport center must order a BellSouth Telecommunications Relay Service Transport local channel and interoffice facility as described and provided in 16.1.7 and 16.1.8, following.
- (B) The BellSouth Telecommunications Relay Service Transport center must specify the desired Telephone Company and premises interface combination from 16.1.6, following.

16.1.6 Interface Code Combinations

The following BellSouth Telecommunications Relay Service Transport Telephone Company and premises interface codes are available for use with BellSouth Telecommunications Relay Service Transport. The transmission specifications associated with the provision of BellSouth Telecommunications Relay Service Transport with these interface code combinations are provided in Technical Reference TR-NWT-000334.

Telephone Company
Switch Supervisory Signaling

RV, EA, EB, EC

Premises
Interface Code

4DS9 - 15

16.1.7 Rate Regulations

The rate elements billable to the BellSouth Telecommunications Relay Service Transport provider which apply for BellSouth Telecommunications Relay Service Transport are described as follows.

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ACCESS SERVICE

16 - BellSouth Telecommunications Relay Service Transport (Cont'd)

16.1 BellSouth Telecommunications Relay Service Transport (Cont'd)

16.1.7 Rate Regulations (Cont'd)

- (A) Local Channel - The BellSouth Telecommunications Relay Service Transport Local Channel rate element provides for a 1.544 Mbps communications path between the premises of the BellSouth Telecommunications Relay Service Transport center and the Telephone Company serving wire center for that premises. Monthly recurring charges and installation nonrecurring charges, on a first and additional service installed basis, are applicable.
- (B) Interoffice Channel - The BellSouth Telecommunications Relay Service Transport Interoffice Channel rate element provides for a 1.544 Mbps communications path between the Telephone Company serving wire center of the BellSouth Telecommunications Relay Service Transport center's premises and the BellSouth Telecommunications Relay Service Transport center specified Telephone Company digital tandem switching office. Monthly recurring and installation nonrecurring charges are applicable to the "fixed" component of the interoffice channel. Monthly recurring charges, on a per mile basis, are applicable to the distance sensitive component of the interoffice channel, measured from the serving wire center to the Telephone Company tandem office using V & H coordinate methodology specified in 6.7.13 preceding.

Where BellSouth Telecommunications Relay Service Transport is provisioned over Special Access (a.k.a. BellSouth SPA) DS3 level services, shared use procedures, as described in 7.4.8, preceding, apply.

A change in either the location of the BellSouth Telecommunications Relay Service Transport center's premises or of the BellSouth Telecommunications Relay Service Transport tandem switch designated is considered to be a disconnect of BellSouth Telecommunications Relay Service Transport. Installation of new BellSouth Telecommunications Relay Service Transport will be required at the new location/locations.

16.1.8 Rates and Charges

	<u>Nonrecurring Charges</u>		<u>Monthly Charge</u>	<u>USOC</u>
	<u>First Service Installed</u>	<u>Additional Service Installed</u>		
(A) Local Channel				
-Per Local Channel	\$ 866.97	\$486.83	\$147.90	TMELC
(B) Interoffice Channel		<u>Nonrecurring Charge</u>	<u>Monthly Charge</u>	<u>USOC</u>
- Fixed		\$100.49	\$100.00	1L5XX
- Per mile		NA	\$ 28.00	1L5XX

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ACCESS SERVICE

17 – E9-1-1 Access Services for Voice over Internet Protocol

17.1 Connectivity of VoIP Service Providers to E9-1-1 Service

17.1.1 General Description

E9-1-1 Access Services for Voice over Internet Protocol (VoIP) enables the interconnected Voice over Internet Protocol Service Providers (VSPs) to connect to the BellSouth E9-1-1 tandems for the purposes of reporting E9-1-1 emergencies by the VSP's end user customers. This tariff only allows connectivity to the E9-1-1 tandem switch from the VSP's Point of Interface (POI) in the BellSouth Lata serving the E9-1-1 tandem switch. A VSP is defined as, for the purposes of subscribing to the services offered herein as bearing the following characteristics: (1) the service enables real-time, two way voice communications; (2) the service requires a broadband connection from the user's location; (3) the service requires IP-compatible CPE; and (4) the service offering permits users generally to receive calls that originate on the Public Switched Telephone Network (PSTN) and to terminate calls to the PSTN.

This service is offered solely as an aid in handling calls in connection with fire, police and other emergencies and does not create any relationship or obligations, direct or indirect, to any person other than the VSP subscribing to the service. This tariff does not supersede any negotiated contractual arrangements or state tariffed arrangements unless the Customer agrees to such an arrangement.

The Company does not undertake to answer and forward E9-1-1 calls, but furnishes the use of its facilities to enable the VSP to direct calls to the appropriate Public Safety Answering Point (PSAP) in locations where government authorities or their authorized agents have subscribed to E9-1-1 service.

Except as noted, services provided in this section are subject to all general regulations applicable to the provisioning of service by the Company.

The technical specifications for this service are as specified in Technical Reference TR-73610. As an aid to the VSP's use of E9-1-1 Access services, BellSouth maintains a VSP E9-1-1 User Guide on its website at www.interconnection.bellsouth.com.

17.1.2 Undertaking of the Telephone Company

The Telephone Company will provide connection between a VoIP Service Provider's ("VSP") network and the Company's Universal Emergency Number Service 9-1-1 (hereafter referred to as "911 service") network. This service shall be used exclusively to route calls from the VSP's end user customers needing to access emergency E9-1-1 services.

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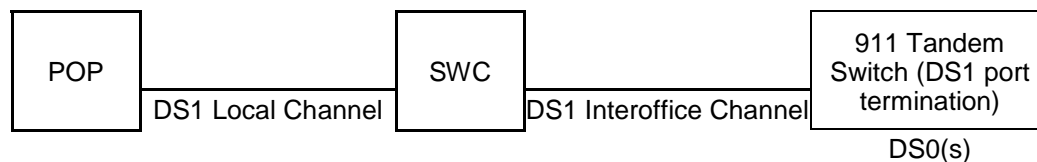
ACCESS SERVICE

17 - E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 Connectivity of VoIP Service Providers to E9-1-1 Service (Cont'd)

17.1.2 Undertaking of the Telephone Company (Cont'd)

The Telephone Company will provision a minimum of two dedicated DS0 level trunks per E9-1-1 tandem and shall be configured as part of a digital (1.544Mbps) interface (DS1 facility) terminated in the E9-1-1 tandem switch and ordered from the FCC No. 1 tariff Section 6.8.1. Switched access rates and charges as set forth in section 6.8 preceding will apply to all DS1 facilities and trunks. The configuration shall use CAMA-type signaling with multi-frequency (MF) pulsing or SS7/ISUP signaling either of which shall deliver Pseudo Automatic Number Identification (P-ANI) or Emergency Service Query Key (ESQK), and call-back number with the voice portion of the call.



17.1.3 Obligations of the VoIP Service Provider

It is the sole responsibility of the VSP to subscribe to a sufficient number of trunks to handle the volume of E9-1-1 emergency calls from their end users. BellSouth requires a minimum of two one-way dedicated trunks originating at the VSP's Point of Interconnection (POI) and terminating at the E9-1-1 selective router tandem. The POI must be in the same LATA as each of the E9-1-1 tandems.

The quantity of trunks should be determined based on achieving parity with wireline E9-1-1 calls by providing a P.01 grade of service.

The BellSouth E9-1-1 database consists of data records provided by various service providers located within the BellSouth E9-1-1 service area. Each service provider, including the VSP, is responsible for providing their data records for the E9-1-1 database using its own individual NENA ID when submitting records for the E9-1-1 database. These records must be present in the E9-1-1 database for the Real-Time Data Interface to function properly. These records must be assigned a Master Street Address Guide (MSAG) valid address. MSAG valid addresses are obtained from the addressing authority in the E9-1-1 service area where VoIP service is provided.

The BellSouth Automatic Location Information (ALI) computer provides the PSAP with the caller's location information and call-back number associated with the Pseudo Automatic Number Identification (pANI). This may be accomplished by the VSP providing real-time updates to the ALI database during E9-1-1 call processing.

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ACCESS SERVICE

17 – E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 Connection of VoIP Service Providers to E9-1-1 Service (Cont'd)

17.1.3 Obligations of the VoIP Service Provider Cont'd)

BellSouth supports E2 connectivity between the VoIP Position Center (VPC) and the ALI database hosts as defined in the BellSouth Technical Reference TR73610. The VPC will provide location information utilizing the E2 Interface to provide real time updates. Interoperability testing of existing or newly installed circuits to the logical router ports must be conducted between the VPC and the ALI Computer to ensure compatibility.

The VSP must identify all premises based ALI systems in their service areas and comply with any special data or interface requirements. VSPs should meet with PSAPs to determine if selective routing or direct trunking is used to deliver 9-1-1 calls. If calls are not selectively routed to premises based ALI systems, the VSP may need to deliver 9-1-1 calls to the PSAP administrative lines or use other arrangements as negotiated with the PSAP. The VSP is responsible for coordinating with the government authorities who subscribe to 9-1-1 services and with any other provider of 9-1-1 services to populate any associated database(s) which is used to provide Enhanced Universal Emergency Number (9-1-1) service or equivalent.

The VSP must provide a p-ANI/ESQK that is geographically correct to the serving E9-1-1 selective router switch to enable calls to be routed to the appropriate PSAP as designated by the VSP.

The VSP must provide valid data records for inclusion in the Telephone Number (TN) database prior to testing or activating service. Valid data records include the telephone number, name of the subscriber, address, location, class and type of service and may also include the p-ANI/ESQK telephone number assigned by the VSP and included in security tables.

VSP's will be required to provide shell p-ANI/ESQK data records using the Service Order Interface Record (SOIR) process to the E9-1-1 host with MSAG valid addresses.

Determining the proper PSAP to route VoIP E9-1-1 calls must be negotiated between the VSP and the E9-1-1 Coordinator(s) in the serving areas, including the PSAP to receive the 9-1-1 call in the event of an Automatic Number Identification (ANI) failure. The Emergency Service Number (ESN) must be provided to BellSouth when placing a service order for VoIP E9-1-1 trunks.

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ACCESS SERVICE

17 – E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 Connectivity of VoIP Service Providers to E9-1-1 Service (Cont'd)

17.1.3 Obligations of the VoIP Service Provider (Cont'd)

VSP's will be responsible for ordering two data circuits to the BellSouth Automatic Location Identification (ALI) computers. These circuits are necessary to provide real-time updates to the ALI database for storing the VoIP subscriber's ten digit call-back number and location information. The need for digital data circuits depends on the technical solution chosen. Customer will be required to provide BellSouth daily and dynamic updates to the E9-1-1 database to facilitate this service offering.

The VSP is required to establish VoIP Position Center (VPC) connectivity via the E2 Interface. BellSouth is not responsible for the location determination technology, the accuracy of the location determination technology, solution trouble investigation or maintenance of said technologies. The delivery, or lack of delivery, of additional data elements, which may be provided by the VSP will not be the responsibility of BellSouth and BellSouth assumes no responsibility or liability for such information.

Connectivity to the E2 Interface, pursuant to the technical standards set forth in technical reference TR73610, shall occur by one of the following methods:

- (a) VSP may use their own VPC equipment and will be required to purchase E2 Interface data link port connectivity to each ALI database host computer.
- (b) VSP must designate a VoIP Positioning Center (VPC) operator via written notification to Company. The VPC operator must also connect to each ALI database host computer via E2 Interface data link ports using existing connectivity or purchase separate data link ports for VoIP E9-1-1 traffic.
- (c) The VSP will be required to obtain a National Emergency Numbering Association Company ID and provide the Company a 24x7 contact number of the appropriate VSP center that can provide assistance to the PSAP during live 9-1-1 calls.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.1 BellSouth Operator Transfer Service

18.1.1 General Description

BellSouth Operator Transfer Service provides routing of customer BellSouth Operator Services calls from the BellSouth Operator Services System location to a customer location within the LATA of the customer's end user who is attempting to obtain an interLATA service.

18.1.2 Undertaking of the Telephone Company

- (A) The Telephone Company will provide BellSouth Operator Transfer Service from its BellSouth Operator Services System location(s) as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4.
- (B) The Telephone Company operator will deliver customer end user requests for interLATA service to the customer location in the LATA of the customer's end user subject to the rates and charges set forth in 18.1.5, following.
- (C) BellSouth Operator Transfer service traffic will be routed from the BellSouth Operator Services System location to the customer location via the customer's BellSouth SWA FGD or BellSouth SWA TSBSA 3 trunks. (D)

The Telephone Company will provision BellSouth SWA FGD or BellSouth SWA TSBSA 3 facilities as set forth in Section 6, preceding. (D)
(T)
- (E) The Telephone Company will specify the location(s) which provide BellSouth Operator Transfer service for each Local Access Transport Area (LATA).

At the customer's request, the Telephone Company will provide a list of the LATAs served by each of its BellSouth Operator Service System locations which provide BellSouth Operator Transfer service.

When it becomes necessary, as determined by the Telephone Company, to change an BellSouth Operator Services System location, the Telephone Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in 2.1.7, preceding, apply. (T)
(T)

ISSUED: AUGUST 29, 2016

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ACCESS SERVICE

18 - BellSouth Operator Services

18.1 BellSouth Operator Transfer Service

18.1.2 Undertaking of the Telephone Company (Cont'd)

- (F) All rates and charges normally applicable to BellSouth SWA FGD or BellSouth SWA TSBSA 3 service apply when such trunks are used to transport a end user's request for interLATA service from the BellSouth Operator Services System location to the customer location. In addition, charges as specified in 18.1.5, following, apply to each end user request for interLATA service transferred to the customer.
- (G) When the customer has both interstate and intrastate BellSouth Operator Transfer Service traffic, the percentage interstate usage determined for the customer's BellSouth SWA FGD or BellSouth SWA TSBSA 3 service, as specified in 2.3.10, preceding, will be applied to the customer's BellSouth Operator Transfer Service charges.
- (H) BellSouth Operator Transfer Service customers who also subscribe to BellSouth Inward Operator Services may use their BellSouth Inward Operator Services trunks to receive BellSouth Operator Transfer Service traffic where the BellSouth Inward Operator Services trunks connect the customer location to a LATA tandem which serves as both BellSouth Inward Operator Services location and BellSouth Operator Services System location.⁽¹⁾

(N)

18.1.3 Obligations of the Customer

- (A) The customer will establish a customer location, if none exists, and will order BellSouth SWA FGD or BellSouth SWA TSBSA 3 trunks, if none exist, to interconnect with the BellSouth Operator Services System location(s) serving all LATAs within the BellSouth Operator Services System serving area where the customer requests Operator Transfer Service.
- (B) Customer facilities at the customer location shall provide the necessary on-hook, off-hook, answer and disconnect supervision.
- (C) When ordering BellSouth Operator Transfer Service, the customer shall determine and specify the number of new or additional BellSouth SWA FGD or BellSouth SWA TSBSA 3 trunks desired, if any, to carry customer operator services end user requests for interLATA service from the BellSouth Operator Services System location to the customer location as specified in 5.2.10, preceding.

⁽¹⁾ Effective September 13, 2016, inward service has been discontinued by the Telephone Company. Inward trunks may continue to be used for the purpose of carrying inward traffic.

(N)
(N)

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ACCESS SERVICE

18 - BellSouth Operator Services

18.1 BellSouth Operator Transfer Service

18.1.3 Obligations of the Customer (Cont'd)

- (D) The customer must order capacity sufficient to handle customer operator services end user requests for interLATA service originating from all Telephone Company end offices within each LATA of the BellSouth Operator Services System serving area where BellSouth Operator Transfer Service is requested.
- (E) Jurisdictional reporting will apply as specified for BellSouth SWA FGC, BellSouth SWA FGD or BellSouth SWA TSBSA 2 or BellSouth SWA TSBSA 3 in Section 2.3.10, preceding, for determining the Percent Interstate Usage (PIU). (T)

18.1.4 Rate Regulations

- (A) The Operator Transfer charge is applied on a per end user request for interLATA service transferred basis, as set forth in 18.1.5, following. (T)
A request shall be considered transferred when the Telephone Company operator activates the BellSouth Operator Services System switch which routes the call from the BellSouth Operator Services System location to the customer location.
- (B) Switched access premium rates and charges, recurring and nonrecurring, as set forth in 6.8, preceding, will apply to all end user requests for interLATA service transferred from the BellSouth Operator Services System location to the customer location via the customer's BellSouth SWA FGD or BellSouth SWA TSBSA 3 trunks. In addition, Rate Regulations as specified in 6.7, preceding, will apply. (D) (T)

18.1.5 Rates and Charges

ALL STATES
Rate per End User
Request for InterLATA
Service Transferred

- (A) BellSouth Operator Transfer Services \$0.334

BELLSOUTH TELECOMMUNICATIONS
675 W. Peachtree St. NW, Atlanta, GA 30308

TARIFF F.C.C. NO. 1
1ST REVISED PAGE 18-4
CANCELS ORIGINAL PAGE 18-4

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ACCESS SERVICE

18 - BellSouth Operator Services

18.2 Reserved for Future Use

(T)

(D)

(D)

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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 18-5
CANCELS 1ST REVISED PAGE 18-5

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ACCESS SERVICE

18 - BellSouth Operator Services

18.2 Reserved for Future Use (Cont'd)

(T)

(D)

(D)

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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 18-6
CANCELS 1ST REVISED PAGE 18-6

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ACCESS SERVICE

18 - BellSouth Operator Services

18.2 Reserved for Future Use (Cont'd)

(T)

(D)

(D)

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CANCELS 3RD REVISED PAGE 18-7

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ACCESS SERVICE

18 - BellSouth Operator Services

18.2 Reserved for Future Use (Cont'd)

(D)

(D)

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service

18.3.1 General Description

BellSouth Operator Assistance Access Service (BellSouth OA Access Service) provides access to the BellSouth OA Access Service location(s) and the use of BellSouth OA Access Service equipment and operators, when required, to furnish operator assistance to end users on the customer's behalf, to obtain information for the customer's later use in billing for service provided by the Telephone Company to the customer's end users on the customer's behalf and for obtaining information for the customer's later use to potentially complete calls returned by the Telephone Company to the customer's location per the end user's request.

(A) BellSouth OA Access Service Locations

The Telephone Company will specify the BellSouth OA Access Service location(s) which provide(s) the BellSouth OA Access Service as shown in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

When it becomes necessary, as determined by the Telephone Company, to change a BellSouth OA Access Service location, the Telephone Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in 2.1.7 of this tariff apply.

(B) Pre-Requisites for BellSouth OA Access Service Provision

Each BellSouth OA Access Service requires Telephone Company provided, customer and application dedicated BellSouth Operator Assistance Trunks (OA Trunks) interconnecting the customer's high capacity facility or facilities to the BellSouth OA Access Service location(s), as described further in 18.3.2 following. In addition, the customer must have in place or must order from the Telephone Company Common Channel Signaling System Seven (CCS7) links interconnecting the customer's premises and the Telephone Company's CCS7 network, as described in 6.1.3 of this tariff. Further, customers who wish to utilize release link trunking technology must have in place Nortel DMS 250/500 switching equipment loaded with Nortel release level UCS08 (or higher) and feature packages URLT 1, 2, 3 and 4.

(C) BellSouth OA Access Service "flow"

When the customer routes an end user request for operator assistance to the BellSouth OA Access Service location via the facilities described in paragraphs (A), and (B) preceding, the Telephone Company will optionally brand the call with the customer's name, serve the end user's request on the customer's behalf, obtain information needed for the customer to bill for the service provided, obtain information needed for the customer to complete the end user's call, if call completion is requested, and then will return the information obtained, as well as the call, if call completion is requested, to the customer location with an optional "thank you" branding message.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.1 General Description (Cont'd)

(D) Optional Call Branding Announcements

At the customer's option, Branding Announcements are provided on both the front end and back end of each BellSouth OA Access Service call served. A front end recording will greet each customer end user call with a message of up to three (3) seconds duration which identifies the customer's service for example, "(customer name)".

Recording of initial Branding Announcements and changes thereto will be performed on an implementation schedule agreed to between the Telephone Company and the customer.

The customer may request changes to the Branding Announcements currently being provided via BellSouth OA Access Service. The Telephone Company will implement such changes within thirty (30) days of receiving the customer's request at the rates and charges detailed for branding in 18.3.5 following.

- (E) BellSouth OA Access Service will be provided at rates and charges as set forth in 18.3.5 following, except as provided for in 18.3.4(D) following.
- (F) The minimum subscription period for which BellSouth OA Access Service is provided and for which charges apply is one (1) month.

18.3.2 BellSouth Operator Assistance Trunks (OA Trunks)

BellSouth Operator Assistance Trunks (OA Trunks) provide the means to interconnect a customer's high capacity facility or facilities (e.g., DS1, MegaLink, LightGate, SmartPath or SMARTRing) at a DS1 level to the network location of its operator assistance provider.

- (A) OA Trunks must be present in sufficient number to handle the customer's maximum forecasted call volume.
- (B) BellSouth OA Trunks have the same transmission specifications as do BellSouth SWA FGD trunks, as described in 6.2.4 of this tariff.
- (C) BellSouth OA Trunks support bi-directional transport of customer calls using CCS7 signaling. Each BellSouth OA Trunk must be used exclusively for a customer's operator assistance calls because these trunks are not equipped to serve or route other call types.
- (D) Rates and charges for OA Trunks are as detailed in 18.3.5 following.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.2 BellSouth Operator Assistance Trunks (OA Trunks) (Cont'd)

- (E) BellSouth OA Trunks must be interconnected with a customer's high capacity facility or facilities (e.g., DS1, MegaLink, LightGate, SmartPath or SMARTRing) at a DS1 level in order that BellSouth OA Trunks function properly. BellSouth OA Trunks can be ordered in increments of twenty-four (24) to meet this requirement, with a minimum order of twenty-four (24) BellSouth OA Trunks. Alternatively, customers may utilize a combination of BellSouth OA Trunks and Type 1 BellSouth Flat Rated DA Trunks (as described in 9.1.4(B) of this Tariff) to meet this twenty-four (24) trunk requirement. However, each trunk in such a combination must be designated for use to carry either operator assistance calls or directory assistance calls, but not both.

18.3.3 Obligations of the Customer

- (A) The customer will cooperatively test with the Telephone Company at the time of BellSouth OA Access Service installation.
- (B) The customer will provide the Telephone Company a forecast of their monthly automated and live operator handled OA Access Service calls.
- (C) The customer must order BellSouth OA Access Service Trunks, as described in 18.3.2 preceding, from the Telephone Company. BellSouth OA Trunks must be interconnected with a customer's high capacity facility or facilities (e.g., DS1, MegaLink, LightGate, SmartPath or SMARTRing) at a DS1 level in order that BellSouth OA Trunks function properly. BellSouth OA Trunks can be ordered in increments of twenty-four (24) to meet this requirement, with a minimum order of twenty-four (24) BellSouth OA Trunks. Alternatively, customers may utilize a combination of BellSouth OA Trunks and Type 1 BellSouth Flat Rated DA Trunks (as described in 9.1.4(B) of this Tariff) to meet this twenty-four (24) trunk requirement. However, each trunk in such a combination must be designated for use to carry either operator assistance calls or directory assistance calls, but not both, because OA Trunks and Flat Rated DA Trunks route operator assistance and directory assistance calls, respectively, to groups of Telephone Company operators trained and equipped to handle either operator assistance calls or directory assistance calls, but not both.
- (D) Customers who wish to utilize Nortel release link trunking technology must have in place Nortel DMS 250/500 switching equipment loaded with Nortel software release level UCS08 (or higher) and feature packages URLT 1, 2, 3 and 4.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.3 Obligations of the Customer (Cont'd)

- (E) The customer shall deliver calls to the BellSouth OA Service location with industry standard CCS7 call detail.
- (F) When opting for the BellSouth OA Access Service Savings Plan, the customer must select plan options for both automated and live operator handled calls.
- (G) When opting for the BellSouth OA Access Service Savings Plan, the customer must deliver to the Telephone Company within the time frames specified for the plan options selected call volumes that meet or exceed the minimum amounts required for the plan options selected, subject to the regulations detailed in 18.3.4(D) following.

18.3.4 Rate Regulations and Payment Arrangements

- (A) Rates for BellSouth OA Access Service are as detailed in 18.3.5 following, except as described in 18.3.4(D) and 18.3.4(E) following.
- (B) When opting for the BellSouth OA Access Service Savings Plan, in no event will the untimely installation or failure of customer equipment required to deliver calls to the BellSouth OA Access Service location relieve the customer of their commitment to deliver to the Telephone Company within the time frames specified for the plan options selected call volumes that meet or exceed the minimum amounts required for the plan options selected as detailed in 18.3.4(D).
- (C) Service Credit for BellSouth OA Access Service
A service credit equal to the amounts charged for the BellSouth OA Access Service and/or options as detailed in 18.3.5 following or in 18.3.4(E), if applicable, will apply to the customer's next bill when the Company has received from the customer within sixty (60) days of the occurrence a substantiated claim as follows:
 - (1) A call(s) sent by the customer to the BellSouth OA Access Service location(s) was not answered because the BellSouth OA Access Service location(s) or Telephone Company equipment was out of service, or
 - (2) BellSouth OA Access Service provided no response, or
 - (3) A request(s) for call completion was not returned to the customer's premises due to failure of the Telephone Company's equipment or of the BellSouth OA Access Service.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.4 Rate Regulations and Payment Arrangements (Cont'd)

(D) In the event that OA Access Service is terminated prior to the one (1) month minimum subscription period, usage equal to the customer's forecasted monthly call volume as described in 18.3.3(B) will be applied to the standard per call rates detailed in 18.3.5 to determine the usage portion of the customer's bill.

(E) BellSouth OA Access Service Savings Plan

- (1) The BellSouth OA Access Service Savings Plan provides BellSouth OA Access Service customers the option to receive a reduced rate per BellSouth OA Access Service call in exchange for their commitment to deliver specified minimum usage for all OA Access calls sent to the Telephone Company during a specified payment plan period. A BellSouth OA Access Service payment plan agreement is required to implement this option.
- (2) BellSouth OA Access Service Savings Plan subscriber rates are as detailed for each plan option in 18.3.4(E)(12) following.
- (3) Application of BellSouth OA Access Service Savings Plan rates will commence with the first bill period following the plan option effective date, as agreed to, by and between the customer and the Telephone Company.
- (4) The minimum payment plan period of a BellSouth OA Access Service Savings Plan is twenty-four (24) months and the maximum payment plan period is forty-eight (48) months.
- (5) Except as indicated in 18.3.4(E)(7), 18.3.4(E)(8), 18.3.4(E)(9) and 18.3.4(E)(10), the customer must during the selected payment plan period(s) send to the Telephone Company BellSouth OA Access Service call usage greater than or equal to ninety-five percent (95%) of the minimum BellSouth OA Access Service call usage required by the plan option(s) selected by the customer.
- (6) At the end of the payment plan period(s), if the BellSouth OA Access Service per call usage sent by the customer to the Telephone Company during the plan period is below ninety-five percent (95%) of the minimum BellSouth OA Access Service call usage committed to per the customer's selected plan option(s), the customer will be billed back the difference between the billed plan rate and the standard rate for all calls that have been billed during the payment plan period.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.4 Rate Regulations and Payment Arrangements (Cont'd)

(E) BellSouth OA Access Service Savings Plan (Cont'd)

- (7) At any time during the active option payment plan period an existing BellSouth OA Access Service Savings Plan customer may request an upgrade to a service option having a higher usage commitment and/or a longer payment plan period. A new BellSouth OA Access Service payment plan agreement is required to implement the change.
- (8) An existing BellSouth OA Access Service Savings Plan customer may request termination of their plan participation. If participation in the customer's currently active plan is ended prior to the scheduled expiration of the payment plan period, back billing of the difference between the then active plan option rates and the standard rates will be applied to a percentage of the calls that have been billed since the initiation of the plan options as follows:

When Plan Option Is Terminated Prior To its Scheduled Expiration and Within __ Months of Initiation Date	This is the Percentage of Calls to which Back Billing Applies
12 Months	100%
24 Months	90%
36 Months	75%
48 Months	45%

Example: A BellSouth OA Access Service Savings Plan customer who terminates their plan option after 12 months would be billed back on ninety percent (90%) of the calls billed under the plan.

- (9) A customer who terminates their BellSouth OA Access Service Savings Plan is eligible to initiate a new plan six (6) months from the termination date.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.4 Rate Regulations and Payment Arrangements (Cont'd)

(E) BellSouth OA Access Service Savings Plan (Cont'd)

- (10) In the event of a merger or acquisition where some or all parties to the merger or acquisition have existing BellSouth OA Access Service Savings Plan options in place, each existing customer may continue their plan option to conclusion provided usage for each existing customer can be segregated from the whole and measured by the Telephone Company. Alternatively, the existing BellSouth OA Access Service Savings Plan options of each party to the merger or acquisition may be terminated without penalty provided a new BellSouth OA Access Service Savings Plan option is made effective for the merged or acquiring entity in which the usage commitment is greater than or equal to the sum of the usage commitments of each active plan option of each party to the merger or acquisition.
- (11) In the absence of or upon the expiration of an active BellSouth OA Access Service Plan option(s), the standard rates detailed in 18.3.5 apply.

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.4 Rate Regulations and Payment Arrangements (Cont'd)

(E) BellSouth OA Access Service Savings Plan (Cont'd)

- (12) Following are the rate schedules for the BellSouth OA Access Service Savings Plan options. When electing to participate in the BellSouth OA Access Service Savings Plan, the customer must choose both an automated and a live operator plan option (one option from each of the tables following) and must specify a payment plan period for each of the two options selected.

For Automated Calls:

Automated Call Plan Option	Call Usage Commitment	Payment Plan Period	Rate Per Call
Option A	1 - 2,999,999	24 months	\$0.1675
	1 - 4,499,999	36 months	\$0.1650
	1 - 5,999,999	48 months	\$0.1600
Option B	3,000,000 - 11,999,999	24 months	\$0.1575
	4,500,000 - 17,999,999	36 months	\$0.1550
	6,000,000 - 23,999,999	48 months	\$0.1500
Option C	12,000,000 - 47,999,999	24 months	\$0.1475
	18,000,000 - 71,999,999	36 months	\$0.1450
	24,000,000 - 95,999,999	48 months	\$0.1400
Option D	48,000,000 - 99,999,999	24 months	\$0.1375
	72,000,000 - 149,999,999	36 months	\$0.1350
	96,000,000 - 199,999,999	48 months	\$0.1300
Option E	100,000,000 or Greater	24 months	\$0.1275
	150,000,000 or Greater	36 months	\$0.1250
	200,000,000 or Greater	48 months	\$0.1200

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ACCESS SERVICE

18 - BellSouth Operator Services

18.3 BellSouth Operator Assistance Access Service (Cont'd)

18.3.4 Rate Regulations and Payment Arrangements (Cont'd)

(E) BellSouth OA Access Service Savings Plan (Cont'd)

(12) (Cont'd)

For Calls Handled by a Live Operator:

Operator Handled Call Plan Option	Call Usage Commitment	Payment Plan Period	Rate Per Call	
Option A	1-2,999,999	24 months	\$0.1675	(R)
	1-4,499,999	36 months	\$0.1650	(R)
	1-5,999,999	48 months	\$0.1600	(R)
Option B	3,000,000 – 11,999,999	24 months	\$0.1575	(R)
	4,500,000 – 17,999,999	36 months	\$0.1550	(R)
	6,000,000 – 23,999,999	48 months	\$0.1500	(R)
Option C	12,000,000 – or Greater	24 months	\$0.1475	(R)
	18,000,000 – or Greater	36 months	\$0.1450	(R)
	24,000,000 – or Greater	48 months	\$0.1400	(R)

18.3.5 Rates and Charges

	<u>Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
(A) BellSouth Operator Assistance Access Service Per Automated Call	\$ 0.18		
(B) BellSouth Operator Assistance Access Service Per Live Operator Call	\$ 0.18		(R)
(C) Branding Announcements			
(1) Per Branding Announcement Created or Changed		\$ 7,000.00	WOABA
(2) Per Platform Shelf Loaded		\$ 270.00	WOABP
	<u>Monthly Rate</u>	<u>- Nonrecurring Charges - First Trunk Installed Each Add'l Trunk</u>	<u>USOC</u>
(D) BellSouth OA Trunk	\$ 6.00	\$ 24.00 \$ 20.00	WOATX

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service

19.1 General Description

(A) General

BellSouth Line Information Data Base (LIDB) Access Service provides a customer the ability to query and receive subscriber line data stored in BellSouth's LIDB that accommodates the customer's properly completing calls for a line subscriber and/or billing calls to a subscriber's line. (D)
LIDB queries can also be launched by subscribing customers on an ad hoc or post call basis.

LIDB data is available via three service query types:

1) Validation Service Query

The Validation Service Query returns toll billing exception data associated with a subscriber line, which are needed to determine whether a line subscriber will accept collect and/or third number billing of calls. Validation Service also provides verification that the line to be charged is not a pay telephone. (D)

2) Originating Line Number Screening (OLNS) Service Query

The OLNS Service Query returns data associated with the originating line needed to facilitate the completion of calls. Data provided informs the customer which local exchange company (LEC, Account Owner) provisions service to a line subscriber, reports the Billing Service Provider Code for the originating line, and reports the local presubscribed interexchange carrier (LPIC) and/or presubscribed interexchange carrier (PIC), if any, for the originating subscriber line.

OLNS also provides data that alerts the customer to unique call processing needs associated with a subscriber line. OLNS provides a Foreign Language Indicator for Spanish, where applicable, a service or equipment indicator (e.g., POTS, Hotel/Hospital, Inmate, PBX, etc.) and service and billing restrictions data associated with a subscriber line.

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.1 General Description (Cont'd)

(A) General (Cont'd)

BellSouth Line Information Data Base Access Service transports queries and responses to and from a customer's SPOI and a BellSouth Line Information Data Base Location; and between a BellSouth Line Information Data Base Location and the database. BellSouth Line Information Data Base Access Service enables customers to receive responses to queries of data stored in the BellSouth Line Information Data Base solely for the purposes of facilitating call completion, billing, validation and to assist the customer in fraud detection and prevention. BellSouth Line Information Data Base Access Service may be provided as a shared arrangement, with customers billed separately for the transport and query functions.

BellSouth LIDB customers must provide at least one Originating Point Code to the Telephone Company. The Originating Point Code serves as a customer identifier for purposes of billing BellSouth Line Information Data Base Common Transport, which carries the query from the BellSouth Line Information Data Base Location to the data base (Service Control Point - SCP), and for billing of the three query types, which provide response to a customer query. All BellSouth Line Information Data Base usage based rate elements will be billed to the customer on a per query basis.

Customer must include the originating and terminating telephone numbers of any telephone call associated with its LIDB query as part of the message containing each LIDB query it sends to BellSouth.

The data base consists of data and application software associated with an SCP. It is a transaction-oriented system accessible using Common Channel Signaling System 7 (CCS7) as set forth in 6.1.3.(A)(6)(e) preceding. The data required for processing customer queries are formatted as Transaction Capability Application part (TCAP) messages and are transported using the SS7 protocol for basic message transport. The Telephone Company will receive and respond to customer queries as defined in technical publications TR-NWT-000246, FR-NWT-000271, TR-TSV-000905, TR-TSV-000954 and TR-73554D.

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.1 General Description (Cont'd)

(B) Limitations on Use of LIDB Data

Data provided to the customer by BellSouth's LIDB shall be used by the customer solely for the purposes of facilitating call completion, billing, validation and to assist the customer in fraud detection and prevention.

Proprietary data residing in the Telephone Company's LIDB is protected from unauthorized access and may not be stored in a customer database of any kind for any reason.

19.2 Obligations of the Telephone Company

(A) General

The Telephone Company will specify the BellSouth Line Information Data Base Locations at which BellSouth Line Information Data Base Access Service is provided. Those locations are listed in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

BellSouth Line Information Data Base Access Service is provided at the designated BellSouth Line Information Data Base Locations. The BellSouth Line Information Data Base Locations and the SCP will respond to queries received in the required signaling protocol for messages formatted in the American National Standards Institute specification of Signaling System No. 7 (ANSI SS7) protocol.

(B) Transport

Transmission facilities and transport terminations between the SPOI of the ordering customer and the BellSouth Line Information Data Base Location (provided as described in 6.1.3(C) preceding), and between the BellSouth Line Information Data Base Location and the Line Information Data Base represent two-way, diversified digital transmission paths from the customer SPOI to the SCP. This transmission path transports queries from the SPOI to the SCP and responses to the SPOI from the SCP in the Common Channel Signaling/Signaling System 7 protocol. The technical specifications for the interface required at the customer SPOI are provided in Technical Publication TR-TSV-000905.

(C) Special Facilities Routing

The customer may request that the facilities used to provide BellSouth Line Information Data Base Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing are set forth in Section 11 preceding.

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.2 Obligations of the Telephone Company (Cont'd)

(D) Design Layout Report

The Telephone Company will provide to the customer a description of BellSouth Line Information Data Base Access Service facilities. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided only at the request of the customer, and will be provided at no charge. The Design Layout Report will be updated and reissued whenever the facilities provided for the customer's use are materially changed.

(E) Transmission Specifications

Each BellSouth Line Information Data Base Access Service transmission path is provided with transmission specifications as set forth in Technical Publication TR-TSV-000905 for immediate action limits, acceptance limits and maintenance limits.

(F) Acceptance Testing and Testing Capabilities

The Telephone Company will cooperatively test with the customer at the time of installation the parameters as specified in Technical Publication TR-TSV-000954.

(G) LIDB Data Specifications

The BellSouth Line Information Data Base will contain a record for every working line number and Billed Number Group served by the Telephone Company. Other exchange carriers who may store their data in the BellSouth Line Information Data Base are requested to provide this data as well.

The Telephone Company will update the BellSouth Line Information Data Base information; e.g. add, delete, and modify customer accounts as customers move, become delinquent on their account, or order new service, on a daily basis.

The Telephone Company has procedures in place to deactivate billing validation data in the event that it is being used fraudulently.

(D)

(H) Provision Against Fraudulent Use of Service

End user information, pertinent to the investigation of fraud, may be shared with BellSouth Line Information Data Base Access Service customers when validation queries for the specific customer reach the

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.2 Obligations of the Telephone Company (Cont'd)

(H) Provision Against Fraudulent Use of Service (Cont'd)

Telephone Company established fraud threshold level. The Telephone Company maintains and operates a 24 hour, 7 day a week fraud control system for the monitoring of customer queries sent to the BellSouth Line Information Data Base.

Thresholds for the monitoring of billed-to-third party and collect calls are established and changed when warranted. When an established threshold is exceeded, an alert is generated and sent to the Telephone Company fraud control center for investigation and action, if warranted. The fraud threshold levels will be applied uniformly to all customers. The Telephone Company has procedures in place to ensure that fraud alerts are investigated by the Telephone Company and that appropriate action is taken expeditiously. (D)

(I) BellSouth Line Information Data Base Access System Management

The Telephone Company will administer its BellSouth Line Information Data Base Access Service to insure the provision of acceptable service levels to all customers. During periods of system congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure will tell the switch the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping). For example, during an overload condition, the automatic call gapping procedure will tell the BellSouth Line Information Data Base when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of BellSouth Line Information Data Base Access Service.

The Telephone Company maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.

(J) Billed Number Screening

At the request of a customer, The Telephone Company Business Office will confirm which Toll Billing Exception (TBE) codes are associated with the customer(s) lines.

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.3 Obligations of the Customer

- (A) To obtain transport, the customer must order CCS7 Signaling Connections and Terminations as described in 6.1.3(C) preceding.
- (B) The customer and the Company shall cooperatively determine the number of additional transmission paths needed, if any, for BellSouth Line Information Data Base Access Service.
- (C) The customer's facilities at the customer's SPOI shall provide the necessary capability to send queries and receive responses in the American National Standards Institute specifications of Signaling System No. 7 (ANSI SS7) protocol.
- (D) The customer will cooperatively test with the Telephone Company at the time of installation the parameters as specified in Technical Publication TR-TSV-000954.

19.4 Ordering Requirements and Payment Arrangements

(A) Minimum Periods

The minimum period for which services are provided is as set forth in Section 2.4.2 preceding.

(B) Cancellation of a Special Order

A customer may cancel a Special Order for BellSouth Line Information Data Base Access Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Special Order is to be canceled. The verbal notice must be followed by written confirmation within 10 days.

When a customer cancels a Special Order for BellSouth Line Information Data Base Access Service after the order date but prior to the start of service, the appropriate charges as set forth in Section 5 preceding apply for the cancellation of the BellSouth Line Information Data Base Access Service Special Order.

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service (Cont'd)

19.4 Ordering Requirements and Payment Arrangements (Cont'd)

(C) Changes to a Special Order

When a customer requests changes to a pending order for BellSouth Line Information Data Base Access Service, such changes will be undertaken if they can be accommodated by the Telephone Company. The appropriate charges as set forth in Section 5 preceding will apply for the BellSouth Line Information Data Base Access Service Special Order changed.

(D) Moves

BellSouth Line Information Data Base Access Service moves are any change in the physical location of the point of termination at the customer's premises or the physical location of the customer's premises. Moves will be treated as set forth in Section 6.7.7, and all associated nonrecurring charges will apply. Minimum period requirements will be established at the new location as set forth in Section 6.7.7. In addition, all outstanding minimum period charges for the discontinued service will apply.

(T)

(T)

(E) BellSouth Line Information Data Base Access service Rearrangements

Nonrecurring charges apply to BellSouth Line Information Data Base Access Service rearrangements, as set forth in Section 6.7.1.

(T)

19.5 Jurisdictional Report Requirements

Jurisdictional report requirements including provision of Percent Interstate. Use (PIU) are as defined in Section 2.3.10 of this tariff.

(T)

19.6 Rate Regulations

The following rate elements apply to BellSouth Line Information Data Base Access Service. BellSouth Line Information Data Base Access Service may be provided as a shared arrangement, with customers billed separately for the transport and query functions.

(A) BellSouth Line Information Data Base Common Transport

BellSouth Line Information Data Base Common Transport provides for transport of the customer's query from the BellSouth Line Information Data Base Location to the data base (SCP). This charge will apply each time the customer requests and receives validation of a billed number and each time the customer requests and receives the status of a billed number associated with a telephone company line stored in the BellSouth Line Information Data Base.

(D)

(T)

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service

19.6 Rate Regulations (Cont'd)

(B) BellSouth Line Information Data Base Validation

BellSouth Line Information Data Base Validation provides for query of the data resident in the BellSouth Line Information Data Base. This rate will apply each time a customer requests and receives validation of a billed number and each time the customer requests and receives the status of a billed number associated with a telephone company line stored in the BellSouth Line Information Data Base. (D)

(C) BellSouth Line Information Data Base Originating Line Number Screening (OLNS)

BellSouth Line Information Data Base Originating Line Number Screening (OLNS) provides for query of data resident in the BellSouth Line Information Data Base. This rate will apply each time a customer requests and receives account owner (Telephone Company that provides dial tone for a specific local exchange line), originating interexchange carrier (PIC/LPIC), post seizure dialing information, service or equipment indicator or service billing restriction data stored in the Line Information Data Base.

(D) Originating Point Code Establishment or Change Charge

The Originating Point Code Establishment or Change Charge provides for the establishment or change of a customer requested Originating Point Code. This charge is nonrecurring and will apply each time that the customer requests and receives the establishment of a new Originating Point Code or requests and receives a change to an existing Originating Point Code. These codes are to be used for billing BellSouth Line Information Data Base Common Transport and BellSouth Line Information Data Base Validation.

(E) CCS7 Signaling Connection and CCS7 Signaling Termination

Rates and charges for CCS7 Signaling Connections and CCS7 Signaling Terminations apply as specified in Section 6.8.1(I). (T)

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ACCESS SERVICE

19 - BellSouth Line Information Data Base Access Service

19.7 Rates and Charges

	<u>Rate Per Query</u>	<u>USOC</u>
(A) BellSouth Line Information Data Base Common Transport per LIDB Query	\$0.00030	N/A
(B) BellSouth Line Information Data Base Validation per LIDB Query	\$0.035378	N/A
(C) BellSouth Line Information Data Base Originating Line Number Screening (OLNS) Per LIDB Query	\$0.014700	N/A
	<u>Nonrecurring Charge</u>	<u>USOC</u>
(D) Originating Point Code Establishment or change		
- per Point Code Established or Changed	\$ 91.00	NRBPX

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ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service

20.1 BellSouth Virtual Expanded Interconnection

(T)

20.1.1 Service Description

BellSouth Virtual Expanded Interconnection service provides for location interconnection of collocator-provided/Telephone Company leased fiber optic facilities to Telephone Company interstate BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services. BellSouth Virtual Expanded Interconnection service for switched access is provided at designated central offices, tandems, and remote nodes/switches (e.g., locations). BellSouth Special Access Virtual Expanded Interconnection is available only at designated central offices. Under BellSouth Virtual Expanded Interconnection, a collocator provides fiber optic cable up to a Telephone Company-designated interconnection point outside of the location, such as a manhole. The collocator will provide the entrance fiber extending between the interconnection point and the location. The Telephone Company will lease the entrance fiber under the provisions of Section 20.1.2(A) and will install the fiber into the location for connection to the BellSouth Virtual Expanded Interconnection collocator-provided/Telephone Company leased transmission equipment. In addition, if multiple entry points are available, and the collocator so desires, multiple entry points will be provided to the collocator. A BellSouth Virtual Expanded Interconnection arrangement may interconnect with Telephone Company interstate BellSouth SWA and Special Access (a.k.a. BellSouth SPA) DS1/DS3 level high capacity services within the location.

(T)

Microwave facilities, in lieu of fiber facilities, may be used for interconnection where they may reasonably be provided. Upon receipt of a request for microwave interconnection, BellSouth will negotiate the arrangements and file the appropriate rates and regulations for the service.

BellSouth Virtual Expanded Interconnection will be made available subject to the availability of space and facilities in each Telephone Company location. BellSouth's central office, tandem and remote node switch site designations are listed in NECA Tariff F.C.C. No. 4.

(D)

20.1.2 Regulations

- (A) In order to ensure the compatibility of the transmission capabilities of the facilities and equipment used in the provision of BellSouth Virtual Expanded Interconnection, such equipment and facilities, including the entrance fiber, associated riser cable/fiber, terminal transmission equipment, plug-ins, software, unique tools and test equipment will be provided by the collocator. The collocator agrees to lease to BellSouth all the equipment and support structure components required to provision and maintain/repair BellSouth Virtual Expanded Interconnection on an ongoing basis, for the nominal sum of one dollar.

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ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.2 Regulations (Cont'd)

- (B) The Telephone Company will designate the point of interconnection in proximity to the location building, which is normally an entrance manhole. The Telephone Company reserves the right to prohibit all equipment and facilities, other than cable, within its entrance manholes. No splicing will be permitted in the entrance manhole. The collocator must provide a length of underground fiber optic cable in the entrance manhole specified by the Telephone Company which is of sufficient length to be pulled through the conduit and into the cable vault splice locations. The collocator is responsible for placement of the fiber optic facility within the manhole and for the maintenance of the fiber optic cable(s). Before placing the fiber optic facility in the manhole, the collocator will contact the Telephone Company for instructions. The collocator agrees to comply with the Telephone Company's safety and security rules. Access to the manhole is covered by the terms and conditions specified by the Telephone Company.

The Telephone Company will pull the collocator-provided/Telephone Company leased fiber cable from the interconnection point to the cable vault where the cable will be spliced to collocator-provided/Telephone Company leased fire retardant riser cable which the Telephone Company will install.

- (C) The BellSouth Virtual Expanded Interconnection collocator must provide the terminating transmission equipment that the Telephone Company will lease and use pursuant to Section 20.1.2(A) to provision the BellSouth Virtual Expanded Interconnection arrangement. The equipment must comply with the Bellcore Network Equipment Building System (NEBS) General Equipment Requirements (TR-NWT-000063); National Electrical Code standards, and meet the minimum Operational System Modification for Intelligent Network Elements (OSMINE) requirements of coding for the TIRKSR System. This minimum includes Human Equipment Catalog Item Group (HECIG), Equipment Catalog Item Group (ECIG) processing code, Human Equipment Catalog Item (HECI), Equipment Catalog Item (ECI) number, and Function Codes as required for provisioning. OSMINE requirements of coding are covered in BellCore Publication GR-485-CORE. Additionally, this equipment must comply with any local, state or federal statutory and/or regulatory requirements in effect at the time or subsequent to equipment installation.
- (D) The collocator is responsible for providing the terminating transmission equipment, e.g., fiber optic terminals, DS3/DS1 channelization equipment, fiber terminating device. The BellSouth Virtual Expanded Interconnection collocator must also specify all software options for the transmission equipment and associated plug-ins. In addition, the collocator shall provide the following:

(T)

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ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.2 Regulations (Cont'd)

(D) (Cont'd)

- all necessary plug-ins/circuit packs (both working and spare) including any required options that must be physically set on the plug-ins.
- all unique tools and test equipment.
- initial and subsequently added equipment should be sized and equipped to handle a minimum of 12 months forecasted growth.
- rack mounted storage unit to house spare plug-ins, tools, and test equipment.
- any desired equipment for remote monitoring and control.
- fuse panel(s) with sufficient capacity for all BellSouth Virtual Expanded Interconnection transmission equipment.
- network facility rack(s), i.e., relay racks, to mount all of the above referenced equipment and Telephone Company-provided interconnection panel(s).

(E) Any equipment provided under Section 20.1.2(D) preceding shall be leased (T)
to the Telephone Company in accordance with Section 20.1.2(A). (T)

(F) Performance monitoring, alarm monitoring and software cross-connect control of all facilities and equipment used in provisioning an arrangement will be the responsibility of the BellSouth Virtual Expanded Interconnection collocator. The BellSouth Virtual Expanded Interconnection collocator will be responsible for initiating maintenance/repair requests for said facilities and equipment, pursuant to Section 20.1.2(I). (T)

If the collocator desires the Telephone Company to provide the transport for monitoring and control functions, such transport will be ordered and billed pursuant to the applicable service tariff provisions.

(G) The Telephone Company will have responsibility for installation and maintenance/repair of the facilities and equipment used to provide BellSouth Virtual Expanded Interconnection from the point of interconnection up to and including the BellSouth Virtual Expanded Interconnection terminating transmission equipment.

(H) The Telephone Company will designate a meet-point location within the BellSouth Virtual Expanded Interconnection site where the Telephone Company's BellSouth Virtual Expanded Interconnection and Special Access (a.k.a. BellSouth SPA) DS1/DS3 services will be terminated for interconnection with the BellSouth Virtual Expanded Interconnection equipment. The BellSouth Virtual Expanded Interconnection DS1 and DS3 network interfaces (NIs) are contained in TR 73572 "BellSouth Virtual Expanded Interconnection Service DS1 and DS3 Level Network Interface Specifications."

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.2 Regulations (Cont'd)

- (I) The Telephone Company will work cooperatively with the BellSouth Virtual Expanded Interconnection collocator to facilitate joint testing and maintenance/repair related activities.
- (1) The collocator will be responsible for notifying the Telephone Company of significant outages of any portion of its network, which could impact or degrade Telephone Company switches and services. The collocator will also provide, if possible, an estimated time for restoral.
- (2) Troubles reported to or observed by the collocator should be tested and isolated by the collocator prior to reporting the trouble to the Telephone Company.
- (J) All installation work performed on behalf of the collocator must be performed by the Telephone Company or a Telephone Company-authorized vendor. Authorization procedures may be obtained from the Telephone Company upon request.

20.1.3 Limitations

The following provisions address BellSouth Virtual Expanded Interconnection Service interconnections to the Telephone Company network and service prohibitions for BellSouth Virtual Expanded Interconnection arrangements:

- (A) Collocators who subscribe to BellSouth Virtual Expanded Interconnection will not have access to the Telephone Company building, except as provided in Section 20.1.7. (T)
- (B) A Telephone Company security escort will accompany the BellSouth Virtual Expanded Interconnection collocator at the interconnection point outside of the BellSouth Virtual Expanded Interconnection location. The security escort will be provided at the collocator's expense in accordance with charges described in Section 20.1.15. (T)

ISSUED: SEPTEMBER 5, 2014

EFFECTIVE: SEPTEMBER 20, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

20.1.3 Limitations (Cont'd)

(C) The Telephone Company will not interconnect facilities between two or more different collocators within the same BellSouth Virtual Expanded Interconnection location.

(D) BellSouth Virtual Expanded Interconnection arrangements will be DS1 or DS3 electrical interconnections.

(E) The BellSouth Virtual Expanded Interconnection collocator may interconnect at the DS3 level with the following Telephone Company interstate services:

- LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel or interoffice channel via a LightGate service (a.k.a. BellSouth SPA Point to Point Network) DS3 Central Office Channel Interface
- SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) via a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Central Office Node DS3 Channel Interface
- 28 DS1 Channelization System
- BellSouth SWA service
- SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring)
- FlexServ Port in a Digital Cross Connect System (D)

(F) The BellSouth Virtual Expanded Interconnection collocator may interconnect at the DS1 level with the following Telephone Company interstate services:

- DS1 local channel or interoffice channel
- DS1 Basic Channelization System
- BellSouth Customer Network Management Service Port in a Digital Cross-Connect System
- DS1 Central Office Channel Interface associated with LightGate (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing services (a.k.a. BellSouth SPA Dedicated Ring)
- BellSouth SWA Service
- SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) (D)

(D)
(D)

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.4 Service Application

- (A) A collocator shall complete and provide to the Telephone Company a written application requesting a BellSouth Virtual Expanded Interconnection service arrangement and an application fee per request, per location. Details on the specific requirements of the requested BellSouth Virtual Expanded Interconnection arrangement, including interconnect drawings technical specifications, monitor and control design and other equipment related documentation, must be provided with the written application.
- (B) The Telephone Company will process applications for BellSouth Virtual Expanded Interconnection arrangement on a first-come, first-serve basis by location as determined through the receipt of the application fee.
- (C) The Telephone Company will accept letters of agency in conjunction with an application for BellSouth Virtual Expanded Interconnection.
- (D) Upon receipt of the application fee, the Telephone Company will conduct the following design and planning activities:
 - (1) engineering record search and review to determine availability of conduit, rack, floor space and multiple entry points.
 - (2) determination of requirements of the requested BellSouth Virtual Expanded Interconnection design.
 - (3) administrative activities required to process the application.

(This page filed under Transmittal No. 0082)

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ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.4 Service Application (Cont'd)

- (E) Once the Telephone Company has completed the design and planning activities, the collocator will be informed of the floor space and power requirements. At this time the Telephone Company will provide to the collocator a list of vendors certified to perform equipment installations.
- (F) A collocator shall have thirty (30) days from receipt of the information to place a firm order.
- (G) The Telephone Company's engineering and other labor time associated with establishing and maintaining a BellSouth Virtual Expanded Interconnection Service arrangement will be billed under the provisions of Section 13.1 and Section 13.2 of this Tariff.
- (H) The collocator will contract directly with its chosen certified vendor for installation. The Telephone Company will retain project management responsibility and authority related to the installation work done in the central office (i.e., decisions as to specific location of the equipment bay, termination panel appearance, assignments, etc.). Equipment installation includes, but is not limited to, assembly, floor mounting, connecting power, connecting optical and metallic interfaces, connecting monitoring equipment, turn-up, acceptance testing, stenciling, updating central office records and any other task that may be required for compliance with the BellSouth installation standards as contained in TR-73503. The Telephone Company, in cooperation with the chosen certified vendor, will determine the installation interval. The collocator and its chosen vendor will work in close cooperation with Telephone Company representatives having project management responsibility and will comply with the installation standards specified in TR-73503.
- (I) A collocator agrees to meet with the Telephone Company on an as needed basis to review the design and work plans and schedules for the installation of the collocator-provided/Telephone Company leased terminating transmission equipment and facilities.

20.1.5 Service Activation

- (A) The Telephone Company will notify the collocator in writing upon completion of the installation work and prior to activating the BellSouth Virtual Expanded Interconnection arrangement.

(This page filed under Transmittal No. 0082)

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EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.5 Service Activation (Cont'd)

(B) The Telephone Company will provide the BellSouth Virtual Expanded Interconnection collocator with the circuit identifications associated with the collocator-provided/Telephone Company leased terminating transmission equipment as well as specific location of the equipment, e.g., BellSouth Virtual Expanded Interconnection location, bay location, shelf, etc., at the time of installation.

(C) The Telephone Company will utilize existing test equipment, or the collocator-provided/Telephone Company leased unique test equipment, for acceptance and repair in cooperation with the BellSouth Virtual Expanded Interconnection collocator.

20.1.6 Training

If a collocator selects terminating transmission equipment hardware and/or software which is not currently in use in the Telephone Company location where BellSouth Virtual Expanded Interconnection will be provided, the collocator will be responsible for payment of the charges as set forth in Section 20.1.15(F) for any necessary training for Telephone Company personnel needed to install and repair said equipment. Additionally, the collocator will be responsible for payment of any applicable tuition fees associated with said training. (T)
(D)

In the event that the collocator does not provide the necessary training to enable Telephone Company personnel to repair said equipment, the Telephone Company may call a certified vendor to make repairs of said equipment. The collocator will reimburse the Telephone Company for any charges submitted by the certified vendor for repair of said equipment. In addition, charges for security escort will apply as set forth in Section 20.1.15(H). (T)

20.1.7 Inspections

A BellSouth Virtual Expanded Interconnection collocator shall call to schedule a time to enter the BellSouth Virtual Expanded Interconnection location(s) for the purpose of inspecting the terminating transmission equipment dedicated for its use. A Telephone Company security escort will accompany the BellSouth Virtual Expanded Interconnection collocator during said inspections at the expense of the collocator. Security escort rates are as set forth in Section 20.1.15(G). (T)
(D)

20.1.8 Reserved For Future Use

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.9 Maintenance

(T)

Except in emergency situations, the collocator-provided/Telephone Company leased fiber optic cable facilities and terminating transmission equipment will be maintained/repared only upon request of the BellSouth Virtual Expanded Interconnection collocator. In an emergency, the Telephone Company will use reasonable efforts to notify the BellSouth Virtual Expanded Interconnection collocator, but nevertheless may perform such maintenance/repair as deemed necessary without prior notification or request. When initiating maintenance/repair requests on equipment, the collocator must provide the Telephone Company with the associated circuit identifications and specific location of the BellSouth Virtual Expanded Interconnection equipment, as well as a detailed description of the trouble. Charges for maintenance/repair performed upon request from, or on behalf of, the BellSouth Virtual Expanded Interconnection collocator will be billed to the collocator on a time sensitive basis as described in Section 13.3.1 of this Tariff. No charges will be assessed to the BellSouth Virtual Expanded Interconnection collocator for maintenance if said maintenance is required as a result of negligence or willful misconduct on the part of the Telephone Company, or from incidental damage resulting from Telephone Company activities. The collocator is responsible for providing equipment required for maintenance/repair spares under the terms of Section 20.1.2(A).

(T)

All maintenance/repair on BellSouth Virtual Expanded Interconnection terminating transmission equipment will be performed by the Telephone Company.

20.1.10 Liability and Damages

(T)

- (A) The Telephone Company reserves to itself, its successors and assigns, the right to utilize the space within its location(s) in such a manner as will best enable it to fulfill its own service requirements. The Telephone Company shall not be liable to the collocator for physical damage to the collocator-provided/Telephone Company leased facilities or equipment occupying a Telephone Company location unless caused by the negligence or willful misconduct of the Telephone Company. In such event, the liability of the Telephone Company shall be limited to the reasonable cost of repair/replacement of damaged facilities or equipment. The Telephone Company shall have no liability whatsoever to a collocator or customer of the collocator for lost revenues or profits occasioned by any interruption of the collocator's service or interference with the operation of the collocator-provided/Telephone Company leased facilities in a Telephone Company location(s).

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.10 Liability and Damages (Cont'd)

- (B) The collocator shall indemnify, defend, and save harmless the Telephone Company from and against any and all losses, claims, demands, causes of action, and costs, including attorneys' fees, whether suffered, made, instituted, or asserted by the collocator or by any other party or person for damages to property and injury or death to persons, including payments made under any Workers' Compensation Law or under any plan for employees' disability and death benefits, which may arise out of or be caused by the installation, repair, use, or removal of BellSouth Virtual Expanded Interconnection collocator-provided/Telephone Company leased equipment or facilities, or by their proximity to the equipment or facilities of another BellSouth Virtual Expanded Interconnection occupying space in a Telephone Company location(s), or by any act or omission of the Telephone Company, its employees, agents, former or striking employees, or contractors, in connection therewith.
- (C) The collocator shall indemnify, defend, and save harmless the Telephone Company from and against any and all losses, claims, demands, causes of action, damages and costs, including but not limited to attorney's fees which may arise out of or be caused by the collocator's presence in the BellSouth Virtual Expanded Interconnection location and/or by acts of the collocator, its employees, agents, or contractors. The collocator shall indemnify, defend, and save harmless the Telephone Company from and against any and all damages, costs and expense of relocating conduit systems, when such relocation is necessitated by the BellSouth Virtual Expanded Interconnection arrangement and/or by acts of the collocator, its employees, agents or contractors.
- (D) In no event shall the Telephone Company or any of its directors, officers or employees or agents be liable for any loss of profit or revenue by the collocator or for any loss of AC or DC power, HVAC interruptions, consequential, incidental, special, punitive or exemplary damages incurred or suffered by the collocator, even if the Telephone Company has been advised of the possibility of such loss or damage. The collocator shall indemnify, defend, and hold harmless the Telephone Company, its directors, officers and employees, servants, agents, affiliates and parents, from and against any and all claims, cost, expenses or liability arising out of the installation and operation of the collocator-provided/Telephone Company leased facilities and equipment within the location.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.10 Liability and Damages (Cont'd)

- (E) The collocator represents, warrants and covenants that it shall not cause or permit any other party to cause any environmental conditions in, at or affecting the BellSouth Virtual Expanded Interconnection location which violate any federal, state or local law, ordinance, rule or regulation. The collocator shall indemnify, defend, and hold harmless the Telephone Company from any and all liability, damage claim or cost of any kind, including reasonable attorney's fees, resulting from or arising out of any breach of the foregoing sentence.
- (F) The collocator shall be responsible for the actions of all persons under its control when working in a Telephone Company manhole, or other point of interconnection outside of the BellSouth Virtual Expanded Interconnection location.

(G) Floor Space

(T)

- (1) If the interconnection floor space or any part thereof shall be damaged by fire or other casualty, the Telephone Company shall give immediate notice thereof to the collocator and the provisions of this tariff shall continue in full force and effect except as hereinafter set forth.
- (2) If the interconnection floor space is partially damaged or rendered partially unusable by fire or other casualty not caused by the collocator, the damages thereto shall be repaired by and at the expense of the Telephone Company. The interconnection floor space fee, until such repair shall be substantially completed, shall be reduced from the day following the casualty according to the portion of the interconnection space and/or associated cable and conduit spaces which are rendered unusable.
- (3) If the interconnection floor space, cable space, or conduit space is totally damaged or rendered wholly unusable by fire or other casualty not caused by the collocator, then the occupancy fees shall be paid up to the time of the casualty and thenceforth shall cease until the date when the space shall have been repaired and restored by the Telephone Company, subject to the Telephone Company's right to elect not to restore the same as hereinafter provided.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection

20.1.10 Liability and Damages (Cont'd)

(G) Floor Space (Cont'd)

(T)

- (4) If the interconnection floor space, cable space, or conduit space is rendered wholly unusable or if the building shall be so damaged that the Telephone Company shall decide to demolish it or not to rebuild it, then, in any of such events, the Telephone Company may elect to terminate service under this tariff by written notice to the collocator given within ninety (90) days after such fire or casualty specifying a date for the cessation of service, which date shall not be more than sixty (60) days after the giving of such notice, and upon the date specified in such notice service under this tariff shall cease and the BellSouth Virtual Expanded Interconnection arrangement with the collocator shall forthwith be terminated and the collocator-provided/Telephone Company leased remaining equipment removed and returned to the collocator without prejudice however to the Telephone Company's rights and remedies against the collocator under the tariff provisions in effect prior to such termination, and any facility/equipment fees owing shall be paid up to such date and any payments of fees made by the collocator, which were on account of any period subsequent to such date, shall be returned to the collocator. Unless the Telephone Company shall serve a termination notice as provided for herein, the Telephone Company shall make the repairs and restorations under the conditions of (2) and (3) above, with all reasonable expedition subject to delays due to adjustment of insurance claims, labor troubles and causes beyond the Telephone Company's reasonable control. After any such casualty, the collocator shall cooperate with the Telephone Company's restoration by agreeing to the Telephone Company removing from the interconnection floor space all of the salvageable inventory and movable equipment. The collocator's liability for BellSouth Virtual Expanded Interconnection fees shall resume upon reactivation of service after the Telephone Company has notified the collocator that the BellSouth Virtual Expanded Interconnection arrangement has been restored to a condition comparable to that existing prior to such casualty.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd)

(T)

20.1.11 Confidential Information

The Telephone Company agrees to hold in confidence information provided to it by a collocator pursuant to this tariff; and information known to the Telephone Company as a result of the interconnection of collocator-provided/ Telephone Company leased equipment to Telephone Company facilities and services if such information is of a competitive nature. Similarly, the collocator agrees to hold in confidence information provided to it by the Telephone Company pursuant to this tariff if such information is of a competitive nature. Neither party is obligated to hold in confidence information that:

- was already known to the Party free of any obligation to keep said information confidential;
- was or becomes publicly available by other than unauthorized disclosure; or
- was rightfully obtained from a third party not obligated to hold such information in confidence

20.1.12 Title

(T)

This tariff does not convey to a collocator any right, title or interest in the Telephone Company facility; interconnection space; cable space; cable racking; vault or conduit space used in the provisioning of a BellSouth Virtual Expanded Interconnection arrangement.

20.1.13 Force Majeure

(T)

The Telephone Company shall not be liable for any delay or failure in performance of any part of this tariff to the extent that such failure or delay is caused by acts of God, acts of civil or military authority, government regulations, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, strikes, power blackouts, volcanic action, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities, or acts or omissions of transportation common carriers or other causes beyond the control of the Telephone Company.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.14 Rate Regulations

20.1.14.1 BellSouth Virtual Expanded Interconnection Elements

Regulations governing the application of BellSouth Virtual Expanded Interconnection rates and charges are described below. Rates and charges for each element are specified in Section 20.1.15. (T)

(A) Application Fee

An Application Fee in the amount specified in 20.1.15 following must be submitted with the collocator's application for BellSouth Virtual Expanded Interconnection service. The first-come, first-served policy of processing applications for BellSouth Virtual Expanded Interconnection arrangements will be determined based upon the order of receipt of applications for BellSouth Virtual Expanded Interconnection along with the Application Fee. The Application Fee will be used for design and planning activities, which include an engineering record search for conduit, rack, and floor space availability and a determination of requirements for the requested BellSouth Virtual Expanded Interconnection design.

An Application Fee is required with each BellSouth Virtual Expanded Interconnection arrangement application submitted per location. If more than one BellSouth Virtual Expanded Interconnection arrangement is ordered at the same location on the initial BellSouth Virtual Expanded Interconnection arrangement application, then only one Application Fee will apply. A subsequent application for an additional arrangement within the same location must be submitted with another Application Fee.

(B) Cable Installation Charges (T)

The Cable Installation Charge applies for each BellSouth Virtual Expanded Interconnection cable ordered within a location. Cable installation involves activities associated with pulling the collocator-provided/Telephone Company leased fiber cable from the interconnection point to the BellSouth Virtual Expanded Interconnection terminating equipment or the vault, installing collocator-provided/Telephone Company leased fire retardant riser cable, and splicing the entrance fiber cable to the riser cable.

Payment of the Cable Installation Charge must be made prior to the Telephone Company commencing work on the BellSouth Virtual Expanded Interconnection arrangement work order. The Cable Installation Charge will not apply on subsequent BellSouth Virtual Expanded Interconnection arrangement orders within the same location for the same BellSouth Virtual Expanded Interconnection collocator if the collocator and Telephone Company jointly determine that efficient cable facilities exist to accommodate the subsequent BellSouth Virtual Expanded Interconnection arrangement(s).

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.14 Rate Regulations (Cont'd)

20.1.14.1 BellSouth Virtual Expanded Interconnection Elements (Cont'd)

(C) Cable Support Structure

The Cable Support Structure monthly recurring charge applies for the use of conduit from the point of interconnection to the cable vault or other central office entrance, and for entrance and riser cable rack space.

(D) Cross-Connects

The Telephone Company's rate regulations associated with establishing and maintaining Cross Connects are as set forth in Section 13 of this Tariff.

(E) Floor Space

Floor Space consists of two monthly recurring rate elements that apply as follows:

Per Square Foot - The Per Square Foot element applies for the floor space required to provision the BellSouth Virtual Expanded Interconnection arrangement and includes heat, ventilation, and air conditioning (HVAC), lighting, and AC power.

Per Ampere - The Per Ampere element consists of two separate -48 volts direct current feeds (A&B) with battery back-up and applies per ampere for the equipment maximum power requirement.

(F) Security Escort

A security escort is provided to a collocator whenever the collocator, or approved agent, desires access to the entrance manhole or to inspect the collocator-provided/Telephone Company leased terminal transmission equipment.

Charges for a security escort are assessed in half-hour increments as either Basic, Overtime, or Premium Time charges. A request resulting in the dispatch of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of three hours.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.1 BellSouth Virtual Expanded Interconnection (Cont'd) (T)

20.1.14 Rate Regulations (Cont'd)

20.1.14.1 BellSouth Virtual Expanded Interconnection Elements (Cont'd)

(G) Training

When collocator-provided/Telephone Company leased equipment (hardware and/or software) is identical to that already in use in the Telephone Company location:

No Training Charges Are Applicable

When collocator-provided/Telephone Company leased equipment (hardware and/or software) is not identical to that already in use in the Telephone Company location:

Charges as set forth in Section 20.4.1(F) as applicable. (T)

20.1.14.2 Access Service Elements

- (A) The access service elements, as set forth in Section 3, Carrier Common Line Access Service; Section 6, BellSouth SWA service; Section 9, BellSouth Directory Assistance; Section 16, Telecommunications Relay Service Transport; Section 18, Operator Service; and Section 19, BellSouth Line Information Data Base service, ordered and/or working in association with Switched Cross-Connect Service will be billed to and paid by the customer of record for the service involved, unless the BellSouth Virtual Expanded Interconnection customer request and/or agrees to be responsible for all charges.
- (B) For BellSouth SWA service line or trunk activation charges, see Section 6.8.1(E) of this Tariff.

ISSUED: AUGUST 11, 2014

EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.2 Rates and Charges

20.2.1 BellSouth Virtual Expanded Interconnection Service

(T)

ALL STATES

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(A) Application Fee (Per Location)	EAF	None	\$ 2,848.30*
(B) Cable Installation Charge (Per Cable)	ESPCX	None	\$ 2,750.00
(C) Cable Support Structure (Per Cable)	ESPSX	\$13.35*	None
	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
(D) Floor Space			
-Per Square Foot	ESPVX	\$ 3.20*	None
-Per Ampere	ESPAX	\$ 3.48*	None
(E) Training, Per Trainee			
-Living Expenses, Per Day	CTRLD		\$136.67
-Labor rate, First 1/2 hour and each additional 1/2 or fraction thereof	CTRLX		
Basic Time			30.64
Overtime			35.77
Premium Time			40.90
-Air Fare/Travel Expense, Per Trip	CTRTA		555.00

* These rates were effective May 15, 1995.

(This page filed under Transmittal No. 0082)

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EFFECTIVE: AUGUST 26, 2014

ACCESS SERVICE

20 - BellSouth Expanded Interconnection Service (Cont'd)

20.2 Rates and Charges (Cont'd)

20.2.1 BellSouth Virtual Expanded Interconnection Service (Cont'd) (T)

	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(F) Security Escort			
-Basic Time, normally scheduled work hours	SPTBX	\$41.00	\$25.00
-Overtime, outside of normally scheduled working hours on a scheduled work day	SPTOX	\$48.00	\$30.00
-Premium Time, outside of scheduled work day	SPTPX	\$55.00	\$35.00

(This page filed under Transmittal No. 0082)

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ISSUED: OCTOBER 21, 2011

EFFECTIVE: NOVEMBER 5, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

The Telephone Company will provide two types of Fast Packet Access Services: Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2 following and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3 following. Switch locations supporting Fast Packet Access Services are as specified in the National Exchange Carrier Association (N.E.C.A.) Tariff F.C.C. No. 4.

Effective November 5, 2011, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2, following, and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3, following, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.

(N)

(N)

(This page filed under Transmittal No. 0016)

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.1 Application Testing

The purpose of an application test is to determine the appropriateness of that specific service(s) for that specific application prior to the customer placing a firm order for such service(s). The Telephone Company will provide a limited amount of such service(s) subject to conditions specified in 21.1.1 A-21.1.1 E following. Such service is to be utilized in an initial application test with a customer for no longer than 90 days (except as specifically stated otherwise in 21.1.1 E) from the date of installation. The following services are eligible for application testing: Exchange Access Frame Relay Service and Managed Shared Frame Relay Service.

- A. Services to be provided in an application test are subject to the availability of facilities and equipment as determined by the Telephone Company. The Telephone Company makes no warranties with respect to the performance of certain services for any and all possible customer applications which may utilize these services.
- B. Application testing is available on a one time per application basis. Only customers whose current interstate monthly billing from this tariff is equal to or greater than \$500,000 are eligible to participate in Application Testing. Before Application Testing can begin, customers must execute an Application Testing Enrollment Form.
- C. Services that are utilized in an application test with a customer may be provided credits during the application test period subject to the following maximum limits per customer per application test.
 - 1. The cumulative monthly recurring charge credits issued for the entire application test period per customer may not exceed the maximum limit of \$10,600.
 - 2. The cumulative credits issued for nonrecurring charges for the entire application test period per customer may not exceed the maximum limit of \$10,000.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.1 Application Testing (Cont'd)

- D. Such service is provided for the specific purpose of conducting an application test with a customer and is not intended to be utilized as a substitute for temporary service.
1. Upon completion of the application test where the customer determines that the performance of the services utilized are unacceptable for the application, the application test service will be removed without charge to the customer.
 2. Upon completion of the application test where the customer determines that the performance of the services utilized are acceptable for the application and no changes to the test service configuration are required, the customer will be billed the appropriate charges for the test service and monthly billing will begin at the time.¹
 3. Upon completion of the application test where the customer determines that the performance of the services utilized are acceptable for the application, however, the test service configuration must be changed, the customer shall be responsible for both the appropriate nonrecurring charges for the application test service plus all appropriate charges for the rearrangement of the service. Monthly billing shall begin for the rearranged service.¹
- E. The Telephone Company may, at its discretion, extend the application testing period due to the following conditions: 1) Delay in provisioning of applicable test circuits due to circumstances beyond reasonable control (natural disasters, work stoppage, war, etc.), or 2) Technical problems encountered during the application testing period with either the Telephony Company or Customer equipment.
1. The per application test credits applicable for an application testing period including an extension shall still be limited to those set forth in 21.1.1 C. (i.e., no additional credits are provided as a result of the extension).

Note 1: Any additional service requested to be installed upon completion of the application test shall be subject to standard tariff nonrecurring charges and rates set forth in each service tariff.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.1 General Description

Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) is a connection oriented packet-switched data service allowing for the interconnection of local area networks (LANs) or other compatible customer equipment. This service provides efficient throughput at various transmission speeds.

XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) allows for the transfer of variable length frames (packets). Frames are relayed by virtual connections; frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

This service uses permanent virtual circuits (PVCs). A PVC is a logical channel from one XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface to another XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface. PVCs are end-to-end, bi-directional channels. PVCs are established either by the Company via the service provisioning process or by the customer using optional Customer Configuration Management Capability described in 21.2.9.(B)(6).

The XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) standard specifies an address field called the Data Link Connection Identifier (DLCI). The DLCI specifies a connection. A Standard PVC is created via the mapping of two Standard DLCIs; on an optional basis, features are available to allow the creation of Priority PVCs.

XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) is comprised of a network interface component plus optional features. Connection to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interfaces may be accomplished through dedicated access. For interstate dedicated access, rates, charges, and regulations for Special Access (a.k.a. BellSouth SPA) Services are specified in Section 7 preceding. Only non-channelized bandwidth may terminate on an XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.1 General Description (Cont'd)

There are two network interfaces available - a user network interface (UNI) and a network-to-network interface (NNI).

The user network interface (UNI) is a standard interface used to connect the customer to the XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network. It receives the data frame from the customer's network or device and verifies that the DLCI is valid before relaying the frame to the destination. The UNI is offered at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps.

The network-to-network interface (NNI) specifies how an XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) switch sends and receives data from another provider's Frame Relay switch. The NNI is offered at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.1 General Description (Cont'd)

Additionally, Back-Up UNI and Back-Up NNI network interfaces are available to be utilized to provide Back-Up capability on an optional basis. Manual Back-Up Capability and Automatic Back-Up Capability provide the ability to have a back-up logical port configured to meet a customer's needs in the event that the customer's primary connection is disabled. Manual Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Automatic Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Connection to a Back-Up Network Interface is accomplished through dedicated access; for interstate dedicated access, rates, charges and regulations for Special Access (a.k.a. BellSouth SPA) Services are specified in Section 7 preceding. Both the Back-Up Network Interface and its associated transport are specifically dedicated to providing back-up service and remain idle except when being utilized for back-up purposes.

The customer must prearrange with the Company which Network Interface(s) may have their traffic redirected to a specific Back-Up Network Interface so that the necessary work is done by the Company which is required prior to back-up capability being possible. A Network Interface thus identified which may have its traffic redirected in the event of its failure is referred to as a back-up enabled primary Network Interface, or referred to herein as simply the primary Network Interface. A Network Interface which is not enabled to work with a Back-Up, is referred to as a standard Network Interface.

A primary Network Interface may have only one Back-Up Network Interface identified. For Manual Back-Up Capability, a Back-up Network Interface may serve as the back-up for more than one primary Network Interface. For Automatic Back-Up Capability, a Back-up Network Interface may serve as the back-up for only one primary Network Interface.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.1 General Description (Cont'd)

The customer(s) involved in a back-up arrangement must provide the appropriate information on 1) which Back-Up Network Interface operates with each primary Network Interface and 2) who has the authority to request the traffic to be redirected from the primary Network Interface to the Back-Up Network Interface (and vice versa).

Manual Back-Up Capability is manually activated by the Company when the authorized contact identified by the customer requests service from the primary Network Interface to be redirected to its pre-identified Back-Up Network Interface. (All DLCIs associated with the primary Network Interface are rerouted to the Back-Up Network Interface.) At the direction of the authorized contact identified by the customer, the Company subsequently then redirects traffic from the Back-Up Network Interface to the primary Network Interface.

Automatic Back-Up Capability automatically initiates the transfer of virtual circuits from the primary Network Interface to the specified Back-Up Interface in the event the integrity fails on the primary Network Interface. Once the primary Network Interface is restored, at the direction of the authorized contact identified by the customer, the Company will subsequently redirect traffic from the Back-Up Network Interface to the primary Network Interface. If the primary Network Interface is recovered and a failure occurs on the Back-Up Network Interface before the customer requests the switchover back to the primary Network Interface, Automatic Back-Up Capability will automatically move the virtual circuits to the primary Network Interface.

A primary Network Interface that is a UNI can only be associated with a UNI Back-Up. A primary Network Interface that is an NNI can only be associated with an NNI Back-Up.

The Manual Back-Up Network Interface may or may not be in the same switch node as the primary Network Interface. For diversity, the Manual Back-Up Network Interface will be on a separate card.

The Automatic Back-Up Network Interface must be in the same switch node as the primary Network Interface. For diversity, the Automatic Back-Up Network Interface will be on a separate card.

For Manual Back-Up Capability and Automatic Back-Up Capability, it is strongly recommended that the size of the Back-Up Network Interface must be the same size as the customer's largest primary Network Interface. In the event that the customer chooses to utilize a Back-Up Network Interface that is a lower speed than the primary Network Interface, the Company cannot guarantee the sufficiency of the Back-Up Network Interface to protect the customer's primary data. There exists the realistic possibility that due to the lower amount of physical bandwidth on the Back-Up Network Interface, not all of the customer's virtual circuits will be provisioned to the Back-Up Network Interface. Network congestion may be encountered which may result in packets of data being discarded or entire locations without access to Back-Up Capability.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description

(1) Installation of Service

Nonrecurring charges apply to each UNI or NNI on each XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) installed, except as set forth in 21.2.8 following.

Nonrecurring charges for the Network Interface elements are set forth in 21.2.10(A) following.

(2) Installation of Optional Features

Nonrecurring charges apply to the installation of optional features as set forth in 21.2.10(B) following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in a change in the minimum period requirements as set forth in 5.6(E) preceding. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. A change which results from a transfer of service is described and charged as set forth in (4) and 21.1.10(D) following.

- (a) Requests for PVC rearrangements may result in the service being unavailable during the time that such rearrangements are performed/provisioned by the Telephone Company.

Customer requests for PVC rearrangements that are submitted with a due date, specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date at the time requested by the customer.

Customer requests for PVC rearrangements that are submitted with a due date but without the specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date plus one day, between Midnight and 4:00 A.M. Eastern Time.

(This page filed under Transmittal No. 1)

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(3) Service Rearrangements (Cont'd)

- (b) Requests for an existing XAFRS service to be rearranged to utilize a different XAFRS switch (e.g., to allow the customer to order features/functions not technically available out of the current XAFRS switch) will result in the service being unavailable during the time that such rearrangement activity is performed/provisioned by the Telephone Company; this time will not be considered as down time for SLA Network Availability purposes.

Following are the appropriate charges for such a service rearrangement:

- When the XAFRS Network Interface is requested to be provisioned off another XAFRS switch in the same Telephone Company Central Office as the existing switch being used, no nonrecurring charges shall be applicable.
- When the XAFRS Network Interface is requested to be provisioned off another XAFRS switch in a different Telephone Company Central Office from the existing switch being used, the request shall be treated as a disconnect of the existing service. The service requested to be provided out of the new switch located in a different Telephone Company Central Office shall be treated as a new connect with full nonrecurring charges being applicable.

(4) Transfer of Service

When a change in billing data (e.g., name, address, contract name, or telephone number) is requested in association with a change in the customer's record, transfer of service charges, as set forth in 21.2.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(5) Maintenance

In order to maintain the quality of XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service), the Telephone Company reserves the right to perform preventive maintenance and software updates to the network. This could result in XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) being unavailable during the time period between 12:00 midnight and 6:00 A.M. Eastern Time seven days a week in all states. The Telephone Company only expects to utilize this maintenance window for any given switch on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements

Service Level Agreements (SLAs) provide the Company's service level commitments for specific aspects of its Frame Relay network's performance. SLAs are only provided for customers with at least ten Frame Relay UNIs and or NNIs. Such customers must also subscribe to BellSouth CNM-NVS (specifically CNM-NVS Fault Management, On Demand Statistics and Performance Reports) which is the primary monitoring and reporting tool used for determining performance results and missed commitments.

SLA commitments only apply for service wholly within Company territory; SLA commitments will not apply for service which is part of a jointly provided service.

- (a) SLA commitments are provided for Network Availability, Network Transit Delay and Frame Delivery Rate.
- (b) SLA credits are provided for missed commitments, except as specified otherwise in (c) and (d) following. An SLA report is provided through the CNM-NVS system that provides details of missed commitments upon which credits will be issued; the SLA report is available on a calendar month basis. Credits are automatically issued based upon the end-of-month SLA report; such credits shall only be issued once a month. The Company's calculation of its performance through the CNM-NVS system shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment as set forth in this tariff.
- (c) SLA credits for missed commitments do not apply when any commitment is not met because the Company does not have control over the circumstances causing the commitment to be missed. Situations over which the Company does not have control can be defined as, but not limited to the following:
 - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
 - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather conditions) or other circumstances beyond the Company's control,

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(c) (Cont'd)

- the customer's premises equipment,
- unavailability of the customer's facilities and/or equipment, and
- customer oversubscription of the UNI/NNI beyond 200% (i.e., the sum of the total CIR of all PVCs carried by any UNI or NNI may not be greater than 200% of the UNI/NNI Network Interface speed).

(d) SLA credits for missed commitments do not apply for situations when the customer's service is out of operation as a result of 1) scheduled maintenance windows as set forth in 21.1.2(5) preceding and 2) customer requests for rearrangements which resulted in that service being unavailable as set forth in 21.2.2(3)(a) and (b) preceding. Time from such activity does not count towards the time a service is considered as unavailable during a calendar month for purposes of measuring for the Network Availability SLA.

(e) Service Level Commitments

SLA commitments for the specific aspects of the Frame Relay network's performance set forth in (a) preceding are measured on a specific calendar month basis. The specific network performance commitments provided and how their performance is measured through the NVS system for a calendar month are as follows:

(1) Network Availability Commitment: 99.9%

- The Network Availability commitment is provided on the customer's total Frame Relay network. Network Availability will measure the percentage of time during a calendar month that the customer's Frame Relay network is available.
- Network availability will be measured through the CNM-NVS system for the customer's total Frame Relay network and for each individual Frame Relay UNI/NNI for a whole calendar month.
- For the purpose of measuring Network Availability, times during which a Frame Relay UNI/NNI is out of operation in association with maintenance windows (as set forth in 21.2.2(5)) and in association with situations over which the Company does not have control (as set forth in 21.2.2(6)(c)) are counted as "available" time.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments (Cont'd)

(1) Network Availability Commitment: 99.9% (Cont'd)

- Total Frame Relay Network - Network Availability: Network Availability for the customer's total network is calculated by subtracting the total unavailable time for all the Frame Relay UNI/NNIs in a specific total calendar month, from the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month, and then dividing the difference by the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month. If the resulting percentage is less than 99.9%, the commitment for Network Availability has been missed; the SLA Network Availability credit will then be issued on any Frame Relay UNI/NNI whose specific individual Network Availability measurement is below 99.9%.
- Individual Frame Relay UNI/NNI - Network Availability: Network Availability for an individual Frame Relay UNI/NNI is calculated by first subtracting the unavailable time from the total available time for a specific calendar month, and then dividing it by the total available time for that specific calendar month. If the Network Availability SLA commitment was missed on the customer's total network and the resulting percentage for a specific individual Frame Relay UNI/NNI is less than 99.9%, the SLA Network Availability credit set forth in 21.2.2(6)(f)(1) will then be issued on that specific individual Frame Relay UNI/NNI.

(2) Network Transit Delay Commitment: 60 milliseconds, one-way

- The Network Transit Delay commitment is provided for each individual PVC within the customer's Frame Relay network.
- Through the CNM-NVS System, Network Transit Delay will measure the average one-way transit time of a specific PVC's frames through the network within a specific calendar month. The transit time for each frame transmitted is measured from the originating Frame Relay UNI/NNI to the terminating Frame Relay UNI/NNI. The measurement for the Network Transit Delay commitment is the average transit time of a frame for a PVC, based upon all the frames transmitted for that PVC during that specific calendar month.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments

(2) Network Transit Delay Commitment: 60 milliseconds, one-way (Cont'd)

- The average monthly Network Transit Delay for a PVC will be determined by dividing the sum of the actual transit time of each frame sent via the PVC that month by the total frames transmitted in that specific calendar month. If the resulting average transit time per frame for that PVC is greater than 60 milliseconds (one-way), the commitment has been missed for that PVC and the Network Transit Delay Credit set forth in 21.2.2(6)(f)(2) will then be issued on this Frame Relay PVC.

(3) Frame Delivery Rate Commitment: 99.9%

- The Frame Delivery Rate commitment is provided for each Frame Relay PVC that has a CIR of greater than 32 Kbps.
- Through the NVS System, Frame Delivery Rate will measure the percentage of frames successfully delivered for a PVC. The Frame Delivery Rate measures the quantity of frames transmitted versus quantity of frames received during a specific calendar month between the two Frame Relay UNI/NNI's forming the PVC (i.e., the difference in frames transmitted versus received are considered "dropped").
- The monthly Frame Delivery Rate for a qualifying PVC in a specific calendar month is determined by subtracting the total frames dropped from the total frames transmitted, divided by the total frames transmitted. If the resulting percentage representing the percent of frames delivered for that PVC is less than 99.9%, this commitment has been missed and the Frame Delivery Rate credit set forth in 21.2.2(6)(f)(3) will then be issued on this Frame Relay PVC.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments

The following credits are provided for SLA performance commitments missed during a calendar month subject to the conditions outlined herein 21.2.2(6).

Total SLA credits issued for an individual Frame Relay UNI/NNI in a specific calendar month cannot exceed the total monthly recurring charges billed for that Frame Relay UNI/NNI (i.e., cannot exceed the sum of the monthly billing for the XAFRS Network Interface rate element plus any rate elements for features).

(1) Network Availability SLA Credit¹:

- This credit is appropriate when the Network Availability commitment for the customer's total network is missed; this credit is then applied per individual Frame Relay UNI/NNI that does not specifically meet the Network Availability commitment.
- For each individual Frame Relay UNI/NNI not meeting this commitment for a specific calendar month, a credit equal to 1/30 of its monthly recurring charge for the XAFRS Network Interface rate element will be issued.

(2) Network Transit Delay SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Network Transit Delay commitment.
- For each PVC not meeting this commitment for a specific calendar month, a credit equal to \$3.00 for the affected DLCI pair will be issued.

Note 1: This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments (Cont'd)

(3) Frame Delivery Rate SLA Credit⁽¹⁾:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Frame Delivery Rate commitment.
- For each PVC not meeting this commitment for a specific calendar month, credits for the affected DLCI pair will be issued as follows:

. Recurring Charge Credit Per DLCI pair:	\$	3.00
. Recurring CIR Credit per DLCI pair:		
0 Bps CIR	\$	0.00
>0-32 Kbps CIR		6.30
>32-56 Kbps CIR		10.80
>56-64 Kbps CIR		11.70
>64-128 Kbps CIR		16.20
>128-256 Kbps CIR		21.60

⁽¹⁾ This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.3 Technical Specifications

The provision of Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) requires the applicable network interface component. In addition, the customers may add optional features. Each of the components of the service are described in this Section.

All services installed after the effective date of this tariff will conform to the transmission specification standards in the following references:

- UNI specifications for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are:

ANSI T1.617-1991, "Integrated Services Digital Network (ISDN) - Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for Frame Relay Service", American National Standards Institute, and ANSI T1.618-1991, "Integrated Services Digital Network (ISDN) - Core Aspects of Frame Relay Bearer Service", American National Standards Institute.

Document No. 001-208966, "Frame Relay Specification with Extension Based on Proposed T1S1 Standards", Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc.

All UNI access facilities must be in conformance with ANSI standards T1.617-1991, T1.618-1991.

- NNI specifications for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are:

Frame Relay Forum Document FRF.2, Frame Relay Network-to-Network Phase 1 Implementation Agreement.

All NNI access facilities must be in conformance with ANSI standards and Bellcore Technical Reference TS-TSV-001370.

- Performance specifications and service details for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are provided in: BellSouth Technical Reference 73587, "Frame Relay Service Interface and Performance Specifications".

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.4 Interface Specifications

The following specifications are available with this service:

Digital packet (UNI)
Digital packet (NNI)

21.2.5 Acceptance Testing

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

21.2.6 Ordering Options and Conditions

The Access Order, as set forth in Section 5 preceding, is used in the provisioning of Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service). Also included in that section are other charges which may be associated with ordering XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) (e.g., Service Date Change Charges, Cancellation Charges, etc.).

21.2.7 Minimum Period of Service

The minimum period is one month.

21.2.8 Rate Regulations

Rates and charges are specified in 21.2.10 following for Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service). XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) is available under the Fast Packet Services Payment Plan (SPP) as specified in 2.4.8(C) preceding.

Unless specified otherwise, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.4.8(F) preceding.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service (Cont'd)

21.2.8 Rate Regulations (Cont'd)

A. Promotion - Regional InterLATA PVC Extension

For the promotional period beginning October 1, 2006, and ending December 31, 2006, customers who subscribe to the Regional InterLATA PVC Extension optional feature will have all nonrecurring charges associated with the optional feature waived, subject to the following conditions:

- All orders for the Regional InterLATA PVC Extension must have an Application Date that falls within the promotional period above.
- A minimum service period of six (6) months is required for the Regional InterLATA PVC Extension ordered under this promotion. If the customer disconnects the Regional InterLATA PVC Extension prior to the 6 months minimum service period, the customer must repay the credits received under this promotion and such amount will be billed to the customer within ninety (90) days of the disconnect date.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories

The following rate categories apply to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service):

(A) Network Interface

This rate category provides for the customer's termination on the Fast Packet switch. The Network Interface rate category includes the packet switching function. A recurring rate and nonrecurring charge is provided in 21.2.10 following for each transmission speed of standard or primary Network interface (both UNI and NNI) and Back-Up Network Interface (both UNI and NNI).

A nonrecurring Primary Network Interface Enablement/Change Charge provided in 21.1.10 following is applicable: 1) per existing standard Network Interface requested to be converted to a primary Network Interface (i.e., to be back-up enabled), 2) per existing primary Network Interface requested to be converted to a standard Network Interface (i.e., to disable the capability to be used with a Back-Up Network Interface), and 3) per existing primary Network Interface requested to be reassigned to work with a different Back-Up Network Interface. The Primary Network Interface Enablement/Change Charge shall only be applied when the customer provides the appropriate information on all of the service orders required such that all orders involved can be related and worked together. Failure by the customer(s) to provide adequate information to allow the orders to be appropriately related together will result in the billing of such orders as individual disconnects and new connects.

A customer request to convert a standard or primary Network Interface to a Back-Up Network Interface (or vice versa) shall be treated as a disconnect and new connect.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features

The Optional Features rate category provides for optional features that may be added to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) to improve its quality or utility to meet specific communications requirements.

(1) DLCIs per UNI or NNI

This feature provides for the assignment of Data Link Channel Identifiers (DLCIs) per UNI or NNI. One DLCI is required per UNI or NNI. When any two DLCIs are mapped together, a PVC can be created. On an optional basis, a single PVC may also be created via the mapping of a DLCI and an ATM Service PVC Segment.

One Initial DLCI is applicable when DLCIs are ordered at the same time as the installation of a UNI or NNI. Only one "Initial" DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per UNI or NNI. Additional DLCIs (beyond this initial DLCI) ordered with the installation of the UNI or NNI and any DLCIs ordered subsequent to the installation of the UNI or NNI are considered Additional DLCIs. A DLCI which is not a Priority DLCI, as discussed following, is referred to as a Standard DLCI.

Priority PVC capability allows a customer to differentiate specific PVCs with regard to the importance of the data within those PVCs as compared to other PVCs. In the case of contention or network congestion, the network will give precedence to the frames of a Priority PVC over frames of a Standard PVC. XAFRS (a.k.a., BellSouth Exchange Access Frame Relay service) allows the creation of Priority PVCs. Such a Priority PVC is formed by the mapping of two Priority DLCIs (as set forth in 21.2.10(B)); these Priority DLCIs must have an associated CIR value of greater than zero. A request to convert an existing Standard PVC to a Priority PVC (or vice versa) shall be considered as a request to disconnect the existing DLCIs and as a request to connect the new DLCIs.

Individual DLCI charges are not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle associated with optional CNM-Customer Configuration Management Capability described in 21.2.9.(B)(6) following. Configurable DLCIs are considered as additional standard DLCIs.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(2) Committed Information Rate (CIR)

Committed Information Rate is a feature that enables the customer to select a sustained throughput under normal conditions. A CIR must be selected for each DLCI.

A standard CIR rate element is applicable per DLCI¹ when it is to be mapped to another DLCI to form a single PVC.

A Frame Relay to ATM Network Interworking CIR rate element is applicable per DLCI when it is to be mapped to an ATM Service PVC Segment to form a single Frame Relay to ATM Network Interworking PVC. The mapping of a DLCI to an ATM PVC Segment is permitted on a per PVC basis. The Frame Relay data is essentially encapsulated in an ATM Service bit stream and retrieved by the ATM customer's CPE as Frame Relay. Associated rates and charges for the related ATM Service apply as usual from the appropriate ATM Service tariff. Only Frame Relay DLCIs and ATM PVC Segments of a comparable quality of service can be mapped together to form a single PVC; the specific combinations of Frame Relay DLCIs and ATM PVC Segments permitted to be mapped together are as follows:

<u>Frame Relay DLCI:</u>		<u>ATM PVC Segment²:</u>
-Non-priority with 0 CIR	and	UBR
-Non-priority with >0 CIR	and	VBR-NRT
-Priority with >0 CIR	and	VBR-RT

The rate elements for standard CIR with a value greater than zero and all Frame Relay to ATM Network Interworking CIR have a separate charge. The CIR value selected cannot exceed the minimum transmission speed of the XAFRS Network Interface at either end of the PVC. (The Frame Relay network's burst capability and discard eligible feature are described in TR 73587.)

The CIR value of Priority DLCIs must be greater than zero.

Note 1: Not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with optional Customer Configuration Management Capability.

Note 2: Due to technical limitations a mapping combination involving an ATM CBR PVC Segment is not possible.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(3) MultiCast PVC

MultiCast PVC capability allows a customer to establish a one-to-many broadcasting PVC that distributes data simultaneously from a host site to a group of predetermined remote sites (called a MultiCast PVC Group). Transmission on a MultiCast PVC is unidirectional (from the host to the remotes in each MultiCast PVC Group). All sites in a MultiCast PVC Group will be able to simultaneously receive a single packet transmission transmitted from the host; upon transmission from the host, the Frame Relay network replicates and distributes the packets to the various remote sites identified as members of the MultiCast PVC Group. A MultiCast PVC may be established as a Standard MultiCast PVC or a Priority MultiCast PVC (refer to description of Priority PVC capability discussed in 21.2.9(B)(1) preceding).

To create a MultiCast PVC, the customer must have established individual PVCs between the Network Interface of the host site and each Network Interface of each remote site that is to be a member of that specific MultiCast PVC Group. Standard tariff charges apply for the establishment of the DLCIs, CIR, etc. associated with these member PVCs. While these standard PVCs will be identified as members of a MultiCast PVC Group (and as such receive the unidirectional broadcast transmission from the host site), each individual PVC is still a bi-directional PVC capable of being used by the host site and remote site to communicate independently of the MultiCast PVC Group.

The customer shall provide a unique DLCI number to be used to identify each MultiCast PVC Group associated with a host site; this unique DLCI number will be used in establishing the MultiCast PVC and shall be utilized on an ongoing basis to refer to that specific MultiCast PVC when requesting any subsequent change activity to the associated MultiCast PVC Group. A host site can have more than one MultiCast PVC. A remote site can be a part of multiple MultiCast PVC Groups associated with the same or multiple other host site(s).

Each MultiCast PVC Group shall be established as a Standard MultiCast PVC Group or a Priority MultiCast PVC Group. A Standard MultiCast PVC Group shall be comprised of member PVCs established utilizing all Standard DLCIs; while not specifically required, it is strongly recommended that each member PVC in a Standard MultiCast PVC have DLCIs with an associated CIR value of greater than zero. A Priority MultiCast PVC Group shall be comprised of member PVCs established utilizing all Priority DLCIs; each member PVC in a Priority MultiCast PVC is required to have Priority DLCIs with an associated CIR value of greater than zero.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(4) Intelligent PVC

Intelligent PVC capability allows automatic rerouting on a per PVC basis within the Frame Relay Service network. The Intelligent PVC feature is associated with a customer-specified three DLCI PVC. With the Intelligent PVC feature, a PVC is established between an originating DLCI (referred to as the pivot endpoint) and a primary terminating DLCI (referred to as the primary endpoint). Frames from the originating DLCI (pivot endpoint) will automatically be rerouted to a secondary terminating DLCI (referred to as the secondary endpoint) if the Frame Relay switch detects trouble associated with the primary terminating DLCI (primary endpoint). After such rerouting, the Frame Relay switch will continue to monitor the signals from the primary endpoint and when the trouble is cleared, will automatically reroute the frames going to the secondary endpoint back to the primary endpoint. The BellSouth document TR-73587 provides more detailed technical information on how Intelligent PVC capability is provided.

To create an Intelligent PVC, the customer requests the mapping of three DLCIs. An Intelligent PVC may be comprised of three Standard DLCIs or three Priority DLCIs. One Intelligent PVC Charge (a recurring rate) applies per customer-specified arrangement of three DLCIs and applies in addition to the appropriate nonrecurring and recurring charges for each of the three DLCIs. The Intelligent PVC Charge shall be billed to the Network Interface associated with the DLCI which is the pivot endpoint of this PVC.

A request to convert an existing two DLCI PVC into a three DLCI Intelligent PVC (or vice versa) shall be considered as a request to disconnect the existing PVC and as a request for connection of new DLCIs to form the new PVC.

The pivot endpoint of an Intelligent PVC must be provisioned out of a Company-provided Frame Relay switch. (If only Company provided switches are utilized in the total service configuration, no service limitations should occur; however, when a non-Company switch is involved in an Intelligent PVC configuration, service limitations may be encountered.)

Both the primary and secondary endpoints of an Intelligent PVC must be of the same service type.

Additionally, an Intelligent PVC configuration is not currently available with Manual Back-Up Capability or Automatic Back-Up Capability.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(5) Special Provisioning

Special Provisioning (SP) provides redundancy for the broadband switch. The SP feature pairs two circuits together to minimize the risk that a single network element failure will result in a service interruption of both circuits. XAFRS Special Provisioning is available in 56 Kbps and 64 Kbps speeds. It is not available with Multilink Frame Relay. Special Provisioning provides diversity in one of two methods of port protection: Different Switch Diversity or Same Switch Diversity.

Different Switch Diversity allows port protection by provisioning two circuits on different switches, providing against port, card or switch failure. Both switches must be identified as having spare capacity, and will be provided by the Company where available.

If multiple switches with spare capacity do not exist in the central office providing switching, then the Company will choose to implement port protection by placing the two circuits on different cards on the switch (i.e. Same Switch Diversity). For Same Switch Diversity, there are separate cards associated with each circuit.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability⁽¹⁾

BellSouth CNM-Customer Configuration Management Capability is optionally available for an XAFRS customer to have the ability to add, change and delete PVCs for their XAFRS Network Interface themselves, without utilizing the standard ordering/provisioning process to request the Company to perform these functions. PVCs created thru the standard ordering/provisioning process by the Company are standard non-configurable PVCs and cannot be modified by the customer as described herein thru CNM-Customer Configuration Management Capability; the customer is billed the preceding DLCI and CIR rates and charges for standard non-configurable PVCs. PVCs created thru CNM-Customer Configuration Management Capability are referred to as configurable PVCs and may be created and modified by the customer as described herein; the customer is billed the charges described following for such configurable PVCs. A customer may choose to utilize one or both of these methods for establishing PVCs on a given XAFRS Network Interface. Due to technical limitations, CNM-Customer Configuration Management Capability is not available on an XAFRS MultiLink Network Interface or on an XAFRS Network Interface which is a "primary" network interface in association with Back-Up Capability.

- (a) CNM-Customer Configuration Management Capability is available only for XAFRS Network Interfaces equipped with CNM-NVS and is available only for the customer to add, modify or delete configurable PVCs formed between similarly equipped Frame Relay service with CNM-NVS and CNM-Customer Configuration Management Capability.
- (b) CNM-Customer Configuration Management Capability is established via the standard ordering/provisioning process on a per XAFRS Network Interface basis when a minimum of one Configurable DLCI Bundle is ordered.
- (c) DLCIs in a Configurable DLCI Bundle will be referred to as configurable DLCIs. Two configurable DLCIs mapped thru CNM-Customer Configuration Management Capability form a configurable PVC.
- (d) To utilize CNM-Customer Configuration Management Capability, each XAFRS Network Interface must have a minimum of one Configurable DLCI Bundle ordered by the customer. More than one Configurable DLCI Bundle may be ordered for a specific XAFRS Network Interface to establish the block, or total quantity, of configurable DLCIs available for that XAFRS Network Interface. The block of configurable DLCIs established are only for the use of that single XAFRS Network Interface may not be "shared" with other XAFRS Network Interfaces.

⁽¹⁾ Effective May 16, 2008, BellSouth CNM-Customer Configuration Management Capability will not be available for new customer orders. Customers with existing service may continue using the service but new orders will not be accepted.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (e) A monthly rate applies for each Configurable DLCI Bundle ordered and the rate varies based upon the quantity of configurable DLCIs included in each bundle. Each Configurable DLCI Bundle provides a specific quantity of standard configurable DLCIs, each with a maximum CIR of up to 64 Kbps per configurable DLCI. Customers will order the quantity and size bundles that will provide the total quantity or block of configurable DLCIs needed for an XAFRS Network Interface. The configurable DLCI block quantity is then the customer-established limit of the number of configurable DLCIs which the customer may manage on a specific XAFRS Network Interface. The block of configurable DLCIs selected for an XAFRS Network Interface may be increased or decreased as the customer's needs change. The Configurable DLCI Block Establishment/Change Charge is the nonrecurring charge applicable for initially ordering and provisioning the Configurable DLCI Bundle(s) to establish the configurable DLCI block and for making a subsequent request to change the block size (i.e., add or delete bundles).
- (f) The Configurable DLCI Block Establishment/Change Charge is a nonrecurring charge applicable to initially establish the block of configurable DLCIs for an XAFRS Network Interface. This charge is also applicable per subsequent request to change the size of the configurable DLCI block. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.
- (g) With CNM-Customer Configuration Management Capability the customer will have the capability to add, change and/or delete configurable PVCs formed by the mapping of two configurable DLCIs. A PVC cannot be established between a configurable DLCI and a non-configurable DLCI thru either CNM-Customer Configuration Management Capability or thru the standard ordering/provisioning process. CNM-Customer Configuration Management Capability cannot be utilized to make changes to a non-configurable PVC, and the standard ordering/provisioning process cannot be utilized to create, modify or delete a configurable PVC.
- (h) As a current technical limitation CNM-Customer Configuration Management Capability cannot be utilized for Priority PVCs, Intelligent PVCs, MultiCast PVCs or Frame Relay to ATM Interworking PVCs. Therefore, requests for these types of PVCs will have to be made thru the standard ordering/provisioning process for the Company to provision and will be subject to the preceding standard rates and charges for such features.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (i) CNM-Customer Configuration Management Capability may only be utilized to create configurable PVCs between two Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability within the same LATA.
- (j) A customer may request that some or all of the standard DLCIs associated with an existing XAFRS Network Interface with CNM- Customer Configuration Management Capability be converted to Configurable DLCIs. Only standard DLCIs that are mapped to other Network Interfaces also equipped for CNM-Customer Configuration Management can be converted (subject to any limitations set forth herein 21.2.9.(B)(6) on what types of Network Interfaces and PVCs are technically compatible with CNM-Customer Configuration Management Capability). The DLCI Conversion Charge is the nonrecurring charge applicable per standard DLCI requested to be converted to a configurable DLCI. Once converted to a configurable DLCI, that DLCI will be counted against the XAFRS Network Interface configurable DLCI block quantity; monthly rates for the standard DLCI and associated CIR will concurrently no longer apply.
- (k) A customer may request that some or all of the configurable DLCIs associated with an existing XAFRS Network Interface with CNM-Customer Configuration Management Capability be converted to standard DLCIs which the customer will no longer manage. Such requests will convert the configurable DLCI "as is" to a standard DLCI (i.e., standard additional DLCI with same CIR value). The DLCI Conversion Charge is the nonrecurring charge applicable per configurable DLCI requested to be converted to a standard DLCI. Once converted to a standard DLCI, that DLCI (and associated CIR) will begin billing the standard DLCI and CIR monthly rates and will concurrently no longer count against the configurable DLCI block quantity for that XAFRS Network Interface.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (1) After the customer has established CNM-Customer Configuration Management Capability (by ordering Configurable DLCI Bundles to establish the configurable DLCI block for each XAFRS Network Interface) for their network, the customer will have access thru the NVS system to mechanically add, change and delete configurable PVCs between these XAFRS Network Interfaces.
- (m) A CNM-Customer Configuration Management service request is made thru CNM-NVS for a specific PVC activity (e.g., add configurable PVC, change CIR or endpoint on an existing configurable PVC, delete configurable PVC, etc.) involving Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability. Each CNM-Customer Configuration Management service request will be assigned a service request number to facilitate customer questions and to enable status and tracking.
- (n) A CNM-Customer Configuration Management service request will be provisioned within minutes; however a Cancellation Window of two hours is allowed after successful provisioning during which time the customer may submit a request thru CNM-NVS to cancel or "undo" the request before the change becomes permanent. The customer may specifically request to forgo (close) the Cancellation Window during which a particular service request may be cancelled and commit that CNM-NVS make the service request provisioning become permanent immediately. When the Cancellation Window expires without the customer canceling the service request or the customer foregoes/closes the Cancellation Window, the provisioned service request is made permanent and considered a completed transaction.
- (o) CNM-Customer Configuration Management Capability effectively provides the customer near real-time processing capability to allow them to manage the provisioning and change activities for configurable PVCs within their network. However, access to CNM-Customer Configuration Management Capability is not guaranteed for customer access and use twenty-four hours a day/seven days a week. Customer access may be periodically preempted for higher priority Company network management and maintenance activities. Customer inability to access the NVS/Customer Configuration Management systems during these periods will not be considered a service outage.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.9 Rate Categories (Cont'd)

(C) Feature Change Charge

In addition to any specific Optional Feature charges, a Feature Change Charge applies whenever a change is made (at the customer's request) to a single optional feature within a single network configuration on a single switch. Although multiple changes may be caused by such actions, only one Feature Change Charge will apply.

(D) Transfer of Service

When a change to the customer of record is requested, transfer of service charges, as set forth in 21.2.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, as identified below, will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity. (i.e., customer remains responsible for all outstanding indebtedness for Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contract name or telephone number. The customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name of telephone number, and
- Change of jurisdiction.

All other service arrangements, including physical changes to existing services, will be charged as follows:

- If the change involves the addition of an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rates and Charges

(A) Network Interface

		<u>Month</u> <u>to</u> <u>Month</u>	<u>A</u> <u>12 to 24</u> <u>Months</u>	<u>B</u> <u>25 to 48</u> <u>Months</u>	<u>Nonrecurring</u> <u>Charges</u>
	<u>USOC</u>				
(1) Standard or Primary Network Interfaces					
- Per UNI					
- 56 Kbps	XAFU5	\$ 62.00	\$ 49.00	\$ 44.00	\$ 300.00
- 64 Kbps	XAFU6	70.00	56.00	50.00	300.00
- 112 Kbps	XAFUA	133.00	106.40	93.10	467.00
- 128 Kbps	XAFUB	133.00	106.40	93.10	467.00
- 192 Kbps	XAFUC	167.00	133.60	116.90	467.00

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rates and Charges (Cont'd)

(A) Network Interface (Cont'd)

		Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges	
		<u>USOC</u>	<u>Month</u>	<u>Months</u>	<u>Months</u>	<u>Charges</u>
(1) Standard or Primary Network Interfaces (Cont'd)						
-	Per NNI					
-	56 Kbps	XAFN5	62.00	49.00	44.00	300.00
-	64 Kbps	XAFN6	70.00	56.00	50.00	300.00
-	112 Kbps	XAFNA	133.00	106.40	93.10	467.00
-	128 Kbps	XAFNB	133.00	106.40	93.10	467.00
-	192 Kbps	XAFNC	167.00	133.60	116.90	467.00

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rates and Charges (Cont'd)

(A) Network Interfaces (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
(2) Back-Up Network Interfaces					
A. Manual Backup Capability					
Per UNI					
- 56 Kbps	XAFBA	31.00	25.00	22.00	300.00
- 64 Kbps	XAFBB	35.00	28.00	26.00	300.00
Per NNI					
- 56 Kbps	XAFBE	31.00	25.00	22.00	300.00
- 64 Kbps	XAFBF	35.00	28.00	26.00	300.00
B. Automatic Back-Up Capability					
Per UNI					
- 56 Kbps	XAFAA	31.00	25.00	22.00	300.00
- 64 Kbps	XAFAB	35.00	28.00	26.00	300.00
Per NNI					
- 56 Kbps	XAFAE	31.00	25.00	22.00	300.00
- 64 Kbps	XAFAF	35.00	28.00	26.00	300.00

(3) Primary Network Interface Enablement/Change Charge – applies as set forth in 21.2.9(A) in association with Back-Up Capability.

<u>USOC</u>	<u>Nonrecurring Charge</u>
XAFEC	125.00

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EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- DLCI ¹			
- Initial Standard DLCI ²	XAFD1	None	None
- Additional Standard DLCI	XAFD2	\$1.50	\$70.00
- Initial Priority DLCI ^{2,3}	XAFP1	\$5.00	None
- Additional Priority DLCI ³	XAFP2	\$5.00	\$70.00
- Standard Pivot DLCI	XAFD3	\$1.50	\$70.00
- Standard Primary DLCI	XAFD4	\$1.50	\$70.00
- Standard Secondary DLCI	XAFD5	\$1.50	\$70.00
- Priority Pivot DLCI ³	XAFP3	\$5.00	\$70.00
- Priority Primary DLCI ³	XAFP4	\$5.00	\$70.00
- Priority Secondary DLCI ³	XAFP5	\$5.00	\$70.00

Note 1: These DLCI charges are not applicable for configurable DLCIs provided as part of a Configurable DLCI Bundle associated with CNM-Customer Configuration Management Capability.

Note 2: One "Initial" DLCI is applicable when DLCIs are ordered at the same time as the installation of the Network Interface. Only one Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per Network Interface. All other DLCIs are considered Additional DLCIs.

Note 3: A Priority DLCI must have CIR with a value greater than 0.

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EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- Standard Committed Information Rate (CIR) (Per DLCI to be mapped to another DLCI) cannot exceed the minimum transmission speed of the link at either end of the PVC. ¹			
- 0 Bps	XAFCA	None	None
- Over 0 thru 32 Kbps	XAFCB	\$ 6.30	None
- Over 32 thru 56 Kbps	XAFCC	10.80	None
- Over 56 thru 64 Kbps	XAFCD	11.70	None
- Over 64 thru 128 Kbps	XAFCE	16.20	None
- Over 128 thru 256 Kbps	XAFCH	21.60	None

⁽¹⁾ These CIR Charges are not applicable for configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with Customer Configuration Management Capability.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- Frame Relay to ATM Network Interworking Committed Information Rate (CIR) (Per DLCI to be mapped to an ATM PVC Segment) cannot exceed the minimum transmission speed of the link at either end of the PVC			
- 0 Bps	XAF5A	\$.15	None
- Over 0 thru 32 Kbps	XAF5B	6.90	None
- Over 32 thru 56 Kbps	XAF5C	11.90	None
- Over 56 thru 64 Kbps	XAF5D	12.90	None
- Over 64 thru 128 Kbps	XAF5G	17.80	None
- Over 128 thru 256 Kbps	XAF5H	23.80	None
- Intelligent PVC Charge – One Intelligent PVC Charge applies per customer-specified arrangement of 3 DLCIs and is in addition to the charges for DLCIs.			

(1) Per Intelligent PVC

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
a. Each	FRV1P	\$ 2.00	None

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

Special Provisioning⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
- Per UNI					
- 56 Kbps	XAFGA	\$ 9.00	\$ 7.00	\$ 6.00	\$ 45.00
- 64 Kbps	XAFGA	11.00	8.00	7.00	45.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary Network Interface charges.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

Special Provisioning⁽¹⁾ (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
- Per NNI					
- 56 Kbps	XAFGA	\$ 9.00	\$ 7.00	\$ 6.00	\$ 45.00
- 64 Kbps	XAFGA	11.00	8.00	7.00	45.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary Network Interface charges.

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EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)

21.2.10 Rates and Charges (Cont'd)

(B) Optional Features (Cont'd)

CNM-Customer Configuration Management Capability - Rate elements following for CNM-Customer Configuration Management Capability are applicable for DLCIs and CIR associated with configurable PVCs provisioned by the customer; these rates and charges apply in lieu of those preceding for DLCI and CIR rate elements applicable for standard PVCs provisioned by the Company.

- Configurable DLCI Bundles - Each bundle provides the specified quantity of configurable DLCIs, with up to 64 Kbps CIR per DLCI. Multiple bundles may be selected to secure the total quantity, or block, of configurable DLCIs for an XAFRS Network Interface.

	<u>USOC</u>	<u>Monthly Rate</u>
- 2 DLCI Bundle	XAFKA	\$ 16.50
- 5 DLCI Bundle	XAFKB	41.00
- 15 DLCI Bundle	XAFKC	121.00
- 25 DLCI Bundle	XAFKD	197.00
- 35 DLCI Bundle	XAFKE	270.00
- 50 DLCI Bundle	XAFKF	373.00
- 100 DLCI Bundle	XAFKG	664.00
- 200 DLCI Bundle	XAFKH	1,162.00
- 300 DLCI Bundle	XAFKJ	1,494.00
- 400 DLCI Bundle	XAFKK	1,660.00

- Configurable DLCI Block Establishment/Change Charge - This nonrecurring charge is applicable to initially establish the block of configurable DLCIs for an XAFRS Network Interface. This charge is also applicable per subsequent request to change the size of the block of configurable DLCIs. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per Request	XAFKY	\$45.00

- DLCI Conversion Charge - This nonrecurring charge is applicable per standard DLCI requested to be converted to a configurable DLCI and per configurable DLCI requested to be converted to a standard DLCI.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per DLCI	XAFKZ	\$16.00

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Feature Change Charge</u>			
- Per Occurrence, Per Feature	XAFFC	None	50.00
(D) <u>Transfer of Service</u>			
- Per Billing Account Number	XAFTF	None	65.00

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS)

21.3.1 General Description

Managed Shared Frame Relay Service (MSFRS) provides total premises to switch connectivity to BellSouth's Frame Relay network through Network-to-Network Interfaces (NNI) or User-to-Network Interfaces (UNI) on the frame relay switch. MSFRS is a connection oriented packet-switched data service allowing for the interconnection of local area networks or other compatible customer equipment. Efficient throughput at various transmission speeds is performed. MSFRS allows for the transfer of variable length frames called packets. Frames are relayed by virtual connections; frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

MSFRS is a service under which the customer assigns to the Telephone Company the responsibility for facility design, engineering and routing of frame relay services in a MSFRS Service Area. A MSFRS Service Area is comprised of all the central offices in a geographic area (e.g., a large metropolitan area) as defined by the Telephone Company; these central offices are referred to as Service Area Points (SAP). The Telephone Company undertakes the responsibility to route the service from the customer's premises to the MSFRS network using whatever facilities and switch placement designs within the Service Area that would best deliver quality service. MSFRS facilities are stand-alone facilities and may not be provisioned over a customer's higher capacity Special Access facilities.

The rate structure for MSFRS is comprised of MSFRS Connections and Optional Features.

The primary MSFRS rate element is the MSFRS Connection. This rate element provides the transport from the customer's premises to the MSFRS network. All frame relay switches within the MSFRS Service Area are linked together to form the MSFRS network which is accessible through a MSFRS Connection.

MSFRS uses permanent virtual circuits (PVCs). A PVC is a logical channel from one MSFRS Connection to another MSFRS Connection (or to a network interface associated with Exchange Access Frame Relay Service). MSFRS utilizes an address field called the Data Link Connection Identifier (DLCI). A DLCI specifies a virtual connection associated with a specific MSFRS Connection. The mapping of two DLCIs through the service provisioning process creates a single PVC. An initial DLCI is included with the MSFRS Connection rate element, and additional DLCIs are available as Optional Features.

The appropriate rate for a MSFRS Connection is dependent upon the type of network interface requested, the transmission speed requested and whether or not the customer's serving wire center is in the MSFRS Service Area.

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EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.1 General Description (Cont'd)

MSFRS Connections are available with two types of network interfaces on the Frame Relay switch - a user network interface (UNI) and a network-to-network interface (NNI). A UNI is a standard interface used to connect the customer to the Frame Relay switch in the MSFRS network; it receives the data frame from the customer's network or device and verifies that the data link channel identifier is valid before relaying the frame to the destination. An NNI specifies how a Frame Relay switch within the MSFRS network sends and receives data to/from another Frame Relay switch.

MSFRS Connections are offered with either a UNI or NNI at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps. Additionally, MSFRS Back-Up Connections are available as UNI or NNIs at transmission speeds of 56 Kbps and 64 Kbps to be utilized to provide Back-Up Capability on an optional basis, which is discussed following.

A MSFRS Connection (by transmission speed and network interface type) is appropriate for a customer whose premises serving wire center is inside the MSFRS Service Area.

Where a customer premises serving wire center is outside the MSFRS Service Area (but within the same LATA), a MSFRS Extended Connection (by transmission speed and network interface type) is applicable based upon the mileage from the customer's serving wire center to the closest Service Area Point as designated by the Telephone Company (which is a central office inside the MSFRS Service Area). Six MSFRS Extended Connections are available which reflect mileage bands outside the Service Area. These mileage bands are: Over 0 to 20 miles, over 20 to 50 miles, over 50 to 75 miles, over 75 to 100 miles, over 100 to 125 miles and over 125 miles. These bands represent the airline mileage from the customer's serving wire center to the closest Service Area Point.

Information required to determine which Service Area is associated with a specific customer premises serving wire center and whether a specific customer premises serving wire center is inside a Service Area or requires a MSFRS Extended Connection is available from Appendix A of this tariff. If the serving wire center is outside a MSFRS Service Area, the V&H coordinates of the customer's serving wire center and the closest Service Area Point are utilized in calculating the airline mileage to determine the appropriate mileage band for the MSFRS Extended Connection.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.1 General Description (Cont'd)

In LATAs where there are multiple MSFRS Service Areas, the customer may utilize a MSFRS Inter Service Area Link to have connectivity on a per PVC basis between MSFRS Connections in each Service Area. The inter service area portion of such a PVC is provisioned over a facility provided by the Telephone Company which allows customers to share bandwidth on these facilities that connect the two MSFRS Service Areas. This Optional Feature is called an Inter Service Area Link. Information provided in Appendix A of this tariff may be used to determine if two MSFRS Connections (based upon their associated customer premises serving wire centers) are in two different Service Areas within the same LATA and, therefore, require an Inter Service Area Link to form a PVC between them.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.1 General Description (Cont'd)

Manual Back-Up Capability and Automatic Back-Up Capability provide the ability to have a back-up logical port configured to meet a customer's needs in the event that the customer's primary connection is disabled. Manual Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Automatic Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. A MSFRS Back-Up Connection is specifically dedicated to providing back-up service and remains idle except when being utilized for back-up purposes.

The customer must prearrange with the Company which MSFRS Connection(s) may have their traffic redirected to a specific MSFRS Back-Up Connection so that the necessary work is done by the Company which is required prior to back-up capability being possible. A MSFRS Connection thus identified which may have its traffic redirected in the event of its failure is referred to as a back-up enabled primary MSFRS Connection, or referred to herein as simply the primary MSFRS Connection. A MSFRS Connection which is not enabled to work with a Back-Up is referred to as a standard MSFRS Connection.

A primary MSFRS Connection may have only one MSFRS Back-Up Connection identified. For Manual Back-Up Capability, a MSFRS Back-Up Connection may serve as the back-up for more than one primary MSFRS Connection. For Automatic Back-Up Capability, a MSFRS Back-Up Connection may serve as the back-up for one primary MSFRS Connection.

The customer(s) involved in a back-up arrangement must provide the appropriate information on 1) which MSFRS Back-Up Connection operates with each primary MSFRS Connection and 2) who has the authority to request the traffic to be redirected from the primary MSFRS Connection to the MSFRS Back-Up Connection (and vice versa).

Manual Back-Up Capability is manually activated by the Company when the authorized contact identified by the customer requests service from the primary MSFRS Connection to be redirected to its pre-identified MSFRS Back-Up Connection. (All DLCIs associated with the primary MSFRS Connection are rerouted to the MSFRS Back-Up Connection.) At the direction of the authorized contact identified by the customer, the Company subsequently then redirects traffic from the MSFRS Back-Up Connection to the primary MSFRS Connection.

Automatic Back-Up Capability automatically initiates the transfer of virtual circuits from the primary MSFRS Connection to the specified MSFRS Back-Up Connection in the event the integrity fails on the primary MSFRS Connection. Once the primary MSFRS Connection is restored, at the direction of the authorized contact identified by the customer, the Company will subsequently redirect traffic from the MSFRS Back-Up Connection to the primary MSFRS Connection. If the primary MSFRS Connection is recovered and a failure occurs on the MSFRS Back-Up Connection before the customer requests the switchover back to the primary MSFRS Connection, Automatic Back-Up Capability will automatically move the virtual circuits to the primary MSFRS Connection.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.1 General Description (Cont'd)

A primary MSFRS Connection that is a UNI can only be associated with a UNI Back-Up. A primary MSFRS Connection that is an NNI can only be associated with an NNI Back-Up.

The Manual MSFRS Back-Up Connection may or may not be on the same switch node as the primary MSFRS Connection. For diversity, the Manual MSFRS Back-Up Connection will be on a separate card.

The Automatic MSFRS Back-Up Connection must be on the same switch node as the primary MSFRS Connection. For diversity, the Automatic MSFRS Back-Up Connection will be on a separate card.

For Manual Back-Up Capability and Automatic Back-Up Capability, it is strongly recommended that the size of the MSFRS Back-Up Connection must be the same size as the customer's largest primary MSFRS Connection. In the event that the customer chooses to utilize a MSFRS Back-Up Connection that is a lower speed than the primary MSFRS Connection, the Company cannot guarantee the sufficiency of the MSFRS Back-Up Connection to protect the customer's primary data. There exists the realistic possibility that due to the lower amount of physical bandwidth on the MSFRS Back-Up Connection, not all of the customer's virtual circuits will be provisioned to the MSFRS Back-Up Connection. Network congestion may be encountered which may result in packets of data being discarded or entire locations without access to Back-Up Capability.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description

(1) Installation of Service

Nonrecurring charges apply to each MSFRS Connection installed.

Nonrecurring charges for MSFRS Connections are set forth in 21.3.10(A) following.

(2) Installation of Optional Features

Nonrecurring charges apply to the installation of Optional Features as set forth in 21.3.10(B) following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services that do not result in a change in the minimum period requirements as set forth in 5.6(E) preceding. Changes that result in the establishment of new minimum period obligations are treated as disconnects and starts. A change that results from a transfer of service is described and charged as set forth in (4) and 21.3.10(D) following.

- (a) Requests for PVC rearrangements may result in the service being unavailable during the time that such rearrangements are performed/provisioned by the Telephone Company.

Customer requests for PVC rearrangements that are submitted with a due date, specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date at the time requested by the customer.

Customer requests for PVC rearrangements that are submitted with a due date but without the specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date plus one day, between Midnight and 4:00 A.M. Eastern Time.

- (b) Requests for an existing MSFRS Connection to be rearranged to utilize a different MSFRS switch (i.e., to allow the customer to order features/functions not technically available out of the currently assigned MSFRS switch) will result in the service being unavailable during the time that such rearrangement activity is performed/provisioned by the Telephone Company; this time will not be considered as down time for SLA Network Availability purposes. The Telephone Company will fulfill such a request by rearranging the MSFRS Connection to be provisioned off another MSFRS switch (at the Telephone Company's discretion) that is in the same Telephone Company Central office as the existing switch being used. Nonrecurring charges shall not apply for such a rearrangement request.

(This page filed under Transmittal No. 1)

Material previously appearing on this page now appears on Original Page 21-30.1.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(4) Transfer of Service

When a change in billing data (e.g., name, address, contract name, or telephone number) is requested in association with a change in the customer's record, transfer of service charges, as set forth in 21.3.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

(5) Maintenance

In order to maintain the quality of MSFRS, the Telephone Company reserves the right to perform preventive maintenance and software updates to the network. This could result in MSFRS being unavailable during the time period between 12:00 midnight and 6:00 A.M. Eastern Time seven days a week in all states. The Telephone Company only expects to utilize this maintenance window for any given switch on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements

Service Level Agreements (SLAs) provide the Company's service level commitments for specific aspects of its Frame Relay network's performance. SLAs are only provided for customers with at least ten Frame Relay UNIs and or NNIs. Such customers must also subscribe to BellSouth CNM-NVS (specifically CNM-NVS Fault Management, On Demand Statistics and Performance Reports) which is the primary monitoring and reporting tool used for determining performance results and missed commitments.

SLA commitments only apply for service wholly within Company territory; SLA commitments will not apply for service which is part of a jointly provided service.

- (a) SLA commitments are provided for Network Availability, Network Transit Delay and Frame Delivery Rate.
- (b) SLA credits are provided for missed commitments, except as specified otherwise in (c) and (d) following. An SLA report is provided through the CNM-NVS system that provides details of missed commitments upon which credits will be issued; the SLA report is available on a calendar month basis. Credits are automatically issued based upon the end-of-month SLA report; such credits shall only be issued once a month. The Company's calculation of its performance through the CNM-NVS system shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment as set forth in this tariff.
- (c) SLA credits for missed commitments do not apply when any commitment is not met because the Company does not have control over the circumstances causing the commitment to be missed. Situations over which the Company does not have control can be defined as, but not limited to the following:
 - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
 - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather conditions) or other circumstances beyond the Company's control,

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(c) (Cont'd)

- the customer's premises equipment,
- unavailability of the customer's facilities and/or equipment, and
- customer oversubscription of the UNI/NNI beyond 200% (i.e., the sum of the total CIR of all PVCs carried by any UNI or NNI may not be greater than 200% of the UNI/NNI Connection speed).

(d) SLA credits for missed commitments do not apply for situations when the customer's service is out of operation as a result of 1) scheduled maintenance windows as set forth in 21.3.2(5) preceding and 2) customer requests for rearrangements which resulted in that service being unavailable as set forth in 21.3.2(3)(a) and (b) preceding. Time from such activity does not count towards the time a service is considered as unavailable during a calendar month for purposes of measuring for the Network Availability SLA.

(e) Service Level Commitments

SLA commitments for the specific aspects of the Frame Relay network's performance set forth in (a) preceding are measured on a specific calendar month basis. The specific network performance commitments provided and how their performance is measured through the CNM-NVS system for a calendar month are as follows:

(1) Network Availability Commitment: 99.9%

- The Network Availability commitment is provided on the customer's total Frame Relay network. Network Availability will measure the percentage of time during a calendar month that the customer's Frame Relay network is available.
- Network availability will be measured through the CNM-NVS system for the customer's total Frame Relay network and for each individual Frame Relay UNI/NNI for a whole calendar month.
- For the purpose of measuring Network Availability, times during which a Frame Relay UNI/NNI is out of operation in association with maintenance windows (as set forth in 21.2.2(5)) and in association with situations over which the Company does not have control (as set forth in 21.3.2(6)(c)) are counted as "available" time.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments (Cont'd)

(1) Network Availability Commitment: 99.9% (Cont'd)

- Total Frame Relay Network - Network Availability: Network Availability for the customer's total network is calculated by subtracting the total unavailable time for all the Frame Relay UNI/NNIs in a specific total calendar month, from the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month, and then dividing the difference by the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month. If the resulting percentage is less than 99.9%, the commitment for Network Availability has been missed; the SLA Network Availability credit will then be issued on any Frame Relay UNI/NNI whose specific individual Network Availability measurement is below 99.9%.
- Individual Frame Relay UNI/NNI - Network Availability: Network Availability for an individual Frame Relay UNI/NNI is calculated by first subtracting the unavailable time from the total available time for a specific calendar month, and then dividing it by the total available time for that specific calendar month. If the Network Availability SLA commitment was missed on the customer's total network and the resulting percentage for a specific individual Frame Relay UNI/NNI is less than 99.9%, the SLA Network Availability credit set forth in 21.3.2(6)(f)(1) will then be issued on that specific individual Frame Relay UNI/NNI.

(2) Network Transit Delay Commitment: 60 milliseconds, one-way

- The Network Transit Delay commitment is provided for each individual PVC within the customer's Frame Relay network.
- Through the CNM-NVS System, Network Transit Delay will measure the average one-way transit time of a specific PVC's frames through the network within a specific calendar month. The transit time for each frame transmitted is measured from the originating Frame Relay UNI/NNI to the terminating Frame Relay UNI/NNI. The measurement for the Network Transit Delay commitment is the average transit time of a frame for a PVC, based upon all the frames transmitted for that PVC during that specific calendar month.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments

(2) Network Transit Delay Commitment: 60 milliseconds, one-way (Cont'd)

- The average monthly Network Transit Delay for a PVC will be determined by dividing the sum of the actual transit time of each frame sent via the PVC that month by the total frames transmitted in that specific calendar month. If the resulting average transit time per frame for that PVC is greater than 60 milliseconds (one-way), the commitment has been missed for that PVC and the Network Transit Delay Credit set forth in 21.3.2(6)(f)(2) will then be issued on this Frame Relay PVC.

(3) Frame Delivery Rate Commitment: 99.9%

- The Frame Delivery Rate commitment is provided for each Frame Relay PVC that has a CIR of greater than 32 Kbps.
- Through the NVS System, Frame Delivery Rate will measure the percentage of frames successfully delivered for a PVC. The Frame Delivery Rate measures the quantity of frames transmitted versus quantity of frames received during a specific calendar month between the two Frame Relay UNI/NNI's forming the PVC (i.e., the difference in frames transmitted versus received are considered "dropped").
- The monthly Frame Delivery Rate for a qualifying PVC in a specific calendar month is determined by subtracting the total frames dropped from the total frames transmitted, divided by the total frames transmitted. If the resulting percentage representing the percent of frames delivered for that PVC is less than 99.9%, this commitment has been missed and the Frame Delivery Rate credit set forth in 21.3.2(6)(f)(3) will then be issued on this Frame Relay PVC.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments

The following credits are provided for SLA performance commitments missed during a calendar month subject to the conditions outlined herein 21.3.2(6).

Total SLA credits issued for an individual Frame Relay UNI/NNI in a specific calendar month cannot exceed the total monthly recurring charges billed for that Frame Relay UNI/NNI (i.e., cannot exceed the sum of the monthly billing for the MSFRS Connection rate element plus any rate elements for features).

(1) Network Availability SLA Credit¹:

- This credit is appropriate when the Network Availability commitment for the customer's total network is missed; this credit is then applied per individual Frame Relay UNI/NNI that does not specifically meet the Network Availability commitment.
- For each individual Frame Relay UNI/NNI not meeting this commitment for a specific calendar month, a credit equal to 1/30 of its monthly recurring charge for the MSFRS Connection rate element will be issued.

(2) Network Transit Delay SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Network Transit Delay commitment.
- For each PVC not meeting this commitment for a specific calendar month, a credit equal to \$3.00 for the affected DLCI pair will be issued.

Note 1: This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments (Cont'd)

(3) Frame Delivery Rate SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Frame Delivery Rate commitment.
- For each PVC not meeting this commitment for a specific calendar month, credits for the affected DLCI pair will be issued as follows:

. Recurring Charge Credit Per DLCI pair: \$ 3.00

. Recurring CIR Credit per DLCI pair:

0 Bps CIR	\$ 0.00
>0-32 Kbps CIR	6.30
>32-56 Kbps CIR	10.80
>56-64 Kbps CIR	11.70
>64-128 Kbps CIR	16.20
>128-256 Kbps CIR	21.60

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.3 Technical Specifications

The provision of MSFRS requires the applicable MSFRS Connection component. In addition, customers may add optional features. Each of the components of the service are described in this Section.

All services installed after the effective date of this tariff will conform to the transmission specification standards in the following references:

- UNI specifications for MSFRS are:

ANSI T1.617-1991, "Integrated Services Digital Network (ISDN) - Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for Frame Relay Service", American National Standards Institute, and ANSI T1.618-1991, "Integrated Services Digital Network (ISDN) - Core Aspects of Frame Relay Bearer Service", American National Standards Institute.

Document No. 001-208966, "Frame Relay Specification with Extension Based on Proposed T1S1 Standards", Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc.

BellSouth Technical Reference 73587, "Frame Relay Service Interface & Performance Specifications" provides performance specifications and service details.

- NNI specifications for MSFRS are:

Frame Relay Forum Document FRF.2.1, "Frame Relay Network-to-Network Interface Implementation Agreement".

BellSouth Technical Reference 73587, "Frame Relay Service Interface & Performance Specifications" provides performance specifications and service details.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.4 Interface Specifications

The following specifications of network interfaces are available with MSFRS Connections:

Digital packet (UNI)
Digital packet (NNI)

21.3.5 Acceptance Testing

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

21.3.6 Ordering Options and Conditions

The Access Order, as set forth in Section 5 preceding, is used in the provisioning of MSFRS. Also included in that section are other charges that may be associated with ordering MSFRS (e.g., Service Date Change Charges, Cancellation Charges, etc.).

21.3.7 Minimum Period of Service

The minimum period is one month.

21.3.8 Rate Regulations

Rates and charges are specified in 21.3.10 following for MSFRS. Unless specified otherwise, MSFRS is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.3.8.(F) preceding.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3.9 Rate Categories

The following rate categories apply to MSFRS:

(A) MSFRS Connections

This rate category provides for the transport from the customer's premises to the MSFRS network. This rate category includes the packet switching function and the connectivity of all MSFRS switches within a MSFRS Service Area. An Initial DLCI is included with each standard or primary MSFRS Connection. A nonrecurring charge and monthly rate applies per standard or primary MSFRS Connection and per MSFRS Back-Up Connection.

A nonrecurring Primary MSFRS Connection Enablement/Change Charge provided in 21.3.10(F) following is applicable: 1) per existing standard MSFRS Connection requested to be converted to a primary MSFRS Connection (i.e., to be back-up enabled), 2) per existing primary MSFRS Connection requested to be converted to a standard Network Interface (i.e., to disable the capability to be used with a MSFRS Back-Up Connection), and 3) per existing primary MSFRS Connection requested to be reassigned to work with a different MSFRS Back-Up Connection. The Primary MSFRS Connection Enablement/Change Charge shall only be applied when the customer provides the appropriate information on all of the service orders required such that all orders involved can be related and worked together. Failure by the customer(s) to provide adequate information to allow the orders to be appropriately related together will result in the billing of such orders as individual disconnects and new connects.

A customer request to convert a standard or primary MSFRS Connection to a MSFRS Back-Up Connection (or vice versa) shall be treated as a disconnect and new connect.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(A) MSFRS Connections (Cont'd)

When a MSFRS customer moves (physically changes to another premises), the MSFRS Connection associated with the former location shall be disconnected and the service at the new location shall be considered as a new installation; nonrecurring charges shall apply for the installation of service at the new location.

A MSFRS customer request to change an existing MSFRS Connection to a different transmission speed shall be considered as a request for the disconnect of the existing service and a new installation of the different speed MSFRS Connection. Nonrecurring charges shall apply for the different speed MSFRS Connection.

A MSFRS customer request to change an existing MSFRS Connection to a Managed Shared ATM Service Connection (MSATMS) will be treated as a request for the disconnect of the MSFRS and a new installation of the MSATMS.

(B) MSFRS Meetpoint Extended Connections

MSFRS Meetpoint Extended Connections represents that portion of the MSPS service provided within BellSouth Territory (inclusive of a port on the switch, network serving area transport, and transport within BellSouth Territory outside the network serving area to the Independent Telephone Company meetpoint).

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features

The Optional Features rate category provides for optional features that may be added to MSFRS to improve its quality or utility to meet specific communications requirements.

(1) DLCIs per MSFRS Connection (UNI or NNI)

This feature provides for the assignment of a Data Link Channel Identifier (DLCI) per PVC requested on a MSFRS Connection (UNI or NNI). One DLCI is required per MSFRS Connection in order to form a single PVC. When a DLCI from each of two MSFRS Connections are mapped together through the service provisioning process, a single PVC is created. On an optional basis, a single PVC may also be created via the mapping of a DLCI to an ATM PVC Segment. Multiple DLCIs (and therefore, PVCs) may be associated with a single MSFRS Connection. A Standard PVC is created via the mapping of two Standard DLCIs; on an optional basis, features are available to allow the creation of Priority PVCs and PVCs established via Frame Relay to ATM Network Interworking with an ATM Service network interface.

One Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is available with each MSFRS when that DLCI is requested with the installation of the MSFRS Connection. Additional DLCI charges apply for every DLCI after the initial DLCI requested with the MSFRS Connection and for any DLCIs ordered subsequent to the installation of the MSFRS Connection. A nonrecurring charge and monthly rate applies per Additional DLCI requested. A DLCI which is not a Priority DLCI, as discussed following, is referred to as a Standard DLCI.

Priority PVC capability allows a customer to differentiate specific PVCs with regard to the importance of the data within those PVCs as compared to other PVCs. In the case of contention or network congestion, the network will give precedence to the frames of a Priority PVC over frames of a Standard PVC. MSFRS allows the creation of Priority PVCs. Such a Priority PVC is formed by the mapping of two Priority DLCIs (as set forth in 21.3.10(B)(1)); these Priority DLCIs must have an associated CIR value of greater than zero. A request to convert an existing Standard PVC to a Priority PVC (or vice versa) shall be considered as a request to disconnect the existing DLCIs and as a request to connect the new DLCIs.

When a PVC is requested to be disconnected, the monthly rates appropriate for the two DLCIs comprising the PVC will be discontinued.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(1) DLCIs per MSFRS Connection (UNI or NNI) (Cont'd)

The aforementioned individual DLCI charges are not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle associated with optional Customer Configuration Management Capability described in 21.3.9.(B)(7) following. Configurable DLCIs are considered as additional DLCIs.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(2) Committed Information Rate (CIR)

Committed Information Rate is a per DLCI feature that enables the customer to select a sustained throughput under normal conditions for the data transmitted within that PVC. A CIR must be selected for each DLCI within a PVC; both CIR values must be the same. The CIR value selected cannot exceed the minimum transmission speed of the MSFRS Connection at either end of the PVC. (The Frame Relay network's burst capability and discard eligible feature are described in TR 73587.)

A standard CIR rate element is applicable per DLCI¹ when it is to be mapped to another DLCI to form a single PVC.

A Frame Relay to ATM Network Interworking CIR rate element is applicable per DLCI when it is to be mapped to an ATM Service PVC Segment to form a single Frame Relay to ATM Network Interworking PVC. The mapping of a DLCI to an ATM PVC Segment is permitted on a per PVC basis. The Frame Relay data is essentially encapsulated in an ATM Service bit stream and retrieved by the ATM Customer's CPE as Frame Relay. Associated rates and charges for the related ATM Service apply as usual from the appropriate ATM Service tariff. Only Frame Relay DLCIs and ATM PVC Segments of a comparable quality of service can be mapped together to form a single PVC; the specific combinations of Frame Relay DLCIs and ATM PVC Segments permitted to be mapped together are as follows:

<u>Frame Relay DLCI:</u>		<u>ATM PVC Segment²:</u>
-Non-priority with 0 CIR	and	UBR
-Non-priority with >0 CIR	and	VBR-NRT
-Priority with >0 CIR	and	VBR-RT

The rate elements for standard CIR with a value greater than zero and all Frame Relay to ATM Network Interworking CIR have a separate charge. The CIR rate element applies per DLCI and has a monthly rate only.

Note 1: Not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with optional CNM-Customer Configuration Management Capability.

Note 2: Due to technical limitations a mapping combination involving an ATM CBR PVC Segment is not possible.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(2) Committed Information Rate (CIR) (Cont'd)

Subsequent to the initial provisioning of a PVC, a customer may request that the CIR value be changed. A Feature Change Charge as specified in 21.3.9(C) applies per DLCI per PVC for such requests.

When a specific PVC is requested to be disconnected, the monthly rates appropriate for the CIR of the two DLCIs comprising the PVC will be discontinued.

The CIR value of Priority DLCIs must be greater than zero.

(3) Inter Service Area Link (ISAL)

The Telephone Company may establish facilities between MSFRS switching equipment in different Service Areas in the same LATA and may allow customers to share bandwidth on these facilities. Where these shared facilities are available to customers, an Inter Service Area Link is an Optional Feature that allows the customer to establish a PVC link between MSFRS Connections in the two different Service Areas.

The customer must request an Inter Service Area Link that provides the extension of a PVC between two Service Areas. Each link has an associated CIR that must match the CIR of the DLCIs associated with the PVC. One end-to-end PVC exists between both customer premises through an Inter Service Area Link.

The appropriate rates and charges for the Inter Service Area Link are from 21.3.10(B)(4) and are applied per end of link.¹ A nonrecurring charge and monthly rate applies for each end of the Inter Service Area Link. The ISAL CIR charges are in addition to the associated DLCI and CIR charges from 21.3.10(B)(1), (2) and (3) that are applicable for the portions of this PVC in each Service Area.

Note 1: These charges are not applicable for ISAL CIR provided for configurable PVCs mapped from Configurable DLCI Bundles (which include both CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with optional Customer Configuration Management Capability.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(4) MultiCast PVC

MultiCast PVC capability allows a customer to establish a one-to-many broadcasting PVC that distributes data simultaneously from a host site to a group of predetermined remote sites (called a MultiCast PVC Group). Transmission on a MultiCast PVC is unidirectional (from the host to the remotes in each MultiCast PVC Group). All sites in a MultiCast PVC Group will be able to simultaneously receive a single packet transmission transmitted from the host; upon transmission from the host, the Frame Relay network replicates and distributes the packets to the various remote sites identified as members of the MultiCast PVC Group. A MultiCast PVC may be established as a Standard MultiCast PVC or a Priority MultiCast PVC (refer to description of Priority PVC capability discussed in 21.3.9(B)(1) preceding).

To create a MultiCast PVC, the customer must have established individual PVCs between the MSFRS Connection of the host site and each MSFRS Connection of each remote site that is to be a member of that specific MultiCast PVC Group. Standard tariff charges apply for the establishment of the DLCIs, CIR, etc. associated with these member PVCs. While these standard PVCs will be identified as members of a MultiCast PVC Group (and as such receive the unidirectional broadcast transmission from the host site), each individual PVC is still a bi-directional PVC capable of being used by the host site and remote site to communicate independently of the MultiCast PVC Group.

The customer shall provide a unique DLCI number to be used to identify each MultiCast PVC Group associated with a host site; this unique DLCI number will be used in establishing the MultiCast PVC and shall be utilized on an ongoing basis to refer to that specific MultiCast PVC when requesting any subsequent change activity to the associated MultiCast PVC Group. A host site can have more than one MultiCast PVC. A remote site can be a part of multiple MultiCast PVC Groups associated with the same or multiple other host site(s).

Each MultiCast PVC Group shall be established as a Standard MultiCast PVC Group or a Priority MultiCast PVC Group. A Standard MultiCast PVC Group shall be comprised of member PVCs established utilizing all Standard DLCIs; while not specifically required, it is strongly recommended that each member PVC in a Standard MultiCast PVC have DLCIs with an associated CIR value of greater than zero. A Priority MultiCast PVC Group shall be comprised of member PVCs established utilizing all Priority DLCIs; each member PVC in a Priority MultiCast PVC is required to have Priority DLCIs with an associated CIR value of greater than zero.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(4) MultiCast PVC (Cont'd)

One MultiCast PVC Group Charge shall apply and be billed to the host site in association with each MultiCast PVC established. The appropriate MultiCast PVC Group Charge varies based 1) upon whether the MultiCast PVC is to be a Standard MultiCast PVC or a Priority MultiCast PVC and 2) upon the transmission speed of the host site MSFRS Connection (e.g., the Priority 1.536 Mbps MultiCast PVC Group Charge would be applicable for a Priority MultiCast PVC established on a 1.536 Mbps MSFRS Connection).

A MultiCast PVC Group Modification Charge applies per member PVC that is to be modified, added to or deleted from an existing MultiCast PVC Group, subsequent to the initial establishment of the MultiCast PVC. The MultiCast PVC Group Modification Charges are billed to the host MSFRS Connection.

If a Standard MultiCast PVC is requested to be changed to a Priority MultiCast PVC (or vice versa), Feature Change Charges apply (as set forth in 21.3.10(B) following) to change each DLCI in each member PVC from Standard to Priority (or vice versa). In addition to the nonrecurring charge associated with the MultiCast PVC Group Charge billed to the host for this change request, a MultiCast PVC Group Modification Charge shall also apply per member PVC so modified in the MultiCast PVC Group.

The host and remote sites associated with a MultiCast PVC are required to be MSFRS Connections as it is not currently technically feasible to utilize Frame Relay to ATM Interworking within a MultiCast PVC arrangement. The MSFRS Connection associated with the host site must be of a transmission speed equal to or greater than 1.536 Mbps. For further information, refer to TR 73587 regarding configuration of MultiCast PVC.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(5) Intelligent PVC

Intelligent PVC capability allows automatic rerouting on a per PVC basis within the Frame Relay Service network. The Intelligent PVC feature is associated with a customer-specified three DLCI PVC. With the Intelligent PVC feature, a PVC is established between an originating DLCI (referred to as the pivot endpoint) and a primary terminating DLCI (referred to as the primary endpoint). Frames from the originating DLCI (pivot endpoint) will automatically be rerouted to a secondary terminating DLCI (referred to as the secondary endpoint) if the Frame Relay switch detects trouble associated with the primary terminating DLCI (primary endpoint). After such rerouting, the Frame Relay switch will continue to monitor the signals from the primary endpoint and when the trouble is cleared, will automatically reroute the frames going to the secondary endpoint back to the primary endpoint. The BellSouth document TR-73587 provides more detailed technical information on how Intelligent PVC capability is provided.

To create an Intelligent PVC, the customer requests the mapping of three DLCIs. An Intelligent PVC may be comprised of three Standard DLCIs or three Priority DLCIs. One Intelligent PVC Charge (a recurring rate) applies per customer-specified arrangement of three DLCIs and applies in addition to the appropriate nonrecurring and recurring charges for each of the three DLCIs. The Intelligent PVC Charge shall be billed to the MSFRS Connection associated with the DLCI which is the pivot endpoint of this PVC.

A request to convert an existing two DLCI PVC into a three DLCI Intelligent PVC (or vice versa) shall be considered as a request to disconnect the existing PVC and as a request for connection of new DLCIs to form the new PVC.

The pivot endpoint of an Intelligent PVC must be provisioned out of a Company-provided Frame Relay switch. (If only Company provided switches are utilized in the total service configuration, no service limitations should occur; however, when a non-Company switch is involved in an Intelligent PVC configuration, service limitations may be encountered.)

Both the primary and secondary endpoints of an Intelligent PVC must be of the same service type.

Additionally, an Intelligent PVC configuration is not currently available with Manual Back-Up Capability or Automatic Back-Up Capability.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(6) Special Provisioning

MSFRS Special Provisioning (SP) provides redundancy for both the switch ports and the transport within the MSPS Serving Area, from the customer's serving wire center to the broadband switch. The SP feature pairs two circuits together to minimize the risk that a single network element failure will result in a service interruption of both circuits. MSFRS Special Provisioning is available in 56 Kbps and 64 Kbps speeds. It is not available with MultiLink Frame Relay.

MSFRS Special Provisioning provides diversity for both the switch ports and the interoffice transport from the customer's serving wire center within the Serving Area to the switch. Two MSFRS circuits may share an electronic device only if the device provides automatic protection switching in the event of an electronic or facility failure.

Port Diversity for MSFRS Special Provisioning is accomplished via two options: Different Switch Diversity or Same Switch Diversity.

Different Switch Diversity allows port protection by provisioning two circuits on different switches, providing against port, card or switch failure. Both switches must be identified as having spare capacity, and will be provided by the Company where available.

If multiple switches with spare capacity do not exist in the central office providing switching, then the Company will choose to implement port protection by placing the two circuits on different cards on the switch (i.e. Same Switch Diversity). For Same Switch Diversity, there are separate cards associated with each circuit.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability⁽¹⁾

CNM-Customer Configuration Management Capability is optionally available for an MSFRS customer to have the ability to add, change and delete PVCs for their MSFRS Connection themselves, without utilizing the standard ordering/provisioning process to request the Company to perform these functions. PVCs created thru the standard ordering/provisioning process by the Company are standard non-configurable PVCs and cannot be modified by the customer as described herein thru CNM-Customer Configuration Management Capability; the customer is billed the preceding DLCI and CIR rates and charges for standard non-configurable PVCs. PVCs created thru CNM-Customer Configuration Management Capability are referred to as configurable PVCs and may be created and modified by the customer as described herein; the customer is billed the charges described following for such configurable PVCs. A customer may choose to utilize one or both of these methods for establishing PVCs on a given MSFRS Connection. Due to technical limitations, CNM-Customer Configuration Management Capability is not available on an MSFRS MultiLink Connection or on an MSFRS Connection which is a "primary" network interface in association with Back-Up Capability.

- (a) CNM-Customer Configuration Management Capability is available only for MSFRS Connections equipped with BellSouth CNM-NVS and is available only for the customer to add, modify or delete configurable PVCs formed between similarly equipped Frame Relay service with CNM-NVS and CNM-Customer Configuration Management Capability.
- (b) CNM-Customer Configuration Management Capability is established via the standard ordering/provisioning process on a per MSFRS Connection basis when a minimum of one Configurable DLCI Bundle is ordered.
- (c) DLCIs in a Configurable DLCI Bundle will be referred to as configurable DLCIs. Two configurable DLCIs mapped thru CNM-Customer Configuration Management Capability form a configurable PVC.
- (d) To utilize CNM-Customer Configuration Management Capability, each MSFRS Connection must have a minimum of one Configurable DLCI Bundle ordered by the customer. More than one Configurable DLCI Bundle may be ordered for a specific MSFRS Connection to establish the block, or total quantity, of configurable DLCIs available for that MSFRS Connection. The block of configurable DLCIs established are only for the use of that single MSFRS Connection may not be "shared" with other MSFRS Connections.

⁽¹⁾ Effective May 16, 2008, BellSouth CNM-Customer Configuration Management Capability will not be available for new customer orders. Customers with existing service may continue using the service but new orders will not be accepted.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (e) A monthly rate applies for each Configurable DLCI Bundle ordered and the rate varies based upon the quantity of configurable DLCIs included in each bundle. Each Configurable DLCI Bundle provides a specific quantity of standard configurable DLCIs, each with a maximum CIR and ISAL CIR of up to 64 Kbps per configurable DLCI. Customers will order the quantity and size bundles that will provide the total quantity or block of configurable DLCIs needed for an MSFRS Connection. The configurable DLCI block quantity is then the customer-established limit of the number of configurable DLCIs which the customer may manage on a specific MSFRS Connection. The block of configurable DLCIs selected for an MSFRS Connection may be increased or decreased as the customer's needs change. The Configurable DLCI Block Establishment/Change Charge is the nonrecurring charge applicable for initially ordering and provisioning the Configurable DLCI Bundle(s) to establish the configurable DLCI block and for making a subsequent request to change the block size (i.e., add or delete bundles).
- (f) The Configurable DLCI Block Establishment/Change Charge is a nonrecurring charge applicable to initially establish the block of configurable DLCIs for an MSFRS Connection. This charge is also applicable per subsequent request to change the size of the configurable DLCI block. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.
- (g) With CNM-Customer Configuration Management Capability the customer will have the capability to add, change and/or delete configurable PVCs formed by the mapping of two configurable DLCIs. A PVC cannot be established between a configurable DLCI and a non-configurable DLCI thru either CNM-Customer Configuration Management Capability or thru the standard ordering/provisioning process. CNM-Customer Configuration Management Capability cannot be utilized to make changes to a non-configurable PVC, and the standard ordering/provisioning process cannot be utilized to create, modify or delete a configurable PVC.
- (h) As a current technical limitation CNM-Customer Configuration Management Capability cannot be utilized for Priority PVCs, Intelligent PVCs, MultiCast PVCs or Frame Relay to ATM Interworking PVCs. Therefore, requests for these types of PVCs will have to be made thru the standard ordering/provisioning process for the Company to provision and will be subject to the preceding standard rates and charges for such features.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (i) CNM-Customer Configuration Management Capability may only be utilized to create configurable PVCs between two Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability within the same LATA.
- (j) A customer may request that some or all of the standard DLCIs associated with an existing MSFRS Connection with CNM-Customer Configuration Management Capability be converted to Configurable DLCIs. Only standard DLCIs that are mapped to other Network Interfaces also equipped for CNM-Customer Configuration Management can be converted (subject to any limitations set forth herein 21.1.9.(B)(6) on what types of MSFRS Connections and PVCs are technically compatible with CNM-Customer Configuration Management Capability). The DLCI Conversion Charge is the nonrecurring charge applicable per standard DLCI requested to be converted to a configurable DLCI. Once converted to a configurable DLCI, that DLCI will be counted against the MSFRS Connection configurable DLCI block quantity; monthly rates for the standard DLCI and associated CIR and ISAL CIR will concurrently no longer apply.
- (k) A customer may request that some or all of the configurable DLCIs associated with an existing MSFRS Connection with CNM-Customer Configuration Management Capability be converted to standard DLCIs which the customer will no longer manage. Such requests will convert the configurable DLCI "as is" to a standard DLCI (i.e., standard additional DLCI with same CIR and ISAL CIR value). The DLCI Conversion Charge is the nonrecurring charge applicable per configurable DLCI requested to be converted to a standard DLCI. Once converted to a standard DLCI, that DLCI (and associated CIR and ISAL CIR) will begin billing the standard DLCI, CIR and ISAL CIR monthly rates and will concurrently no longer count against the configurable DLCI block quantity for that MSFRS Connection.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (1) After the customer has established CNM-Customer Configuration Management Capability (by ordering Configurable DLCI Bundles to establish the configurable DLCI block for each MSFRS Connection) for their network, the customer will have access thru the NVS system to mechanically add, change and delete configurable PVCs between these Connections.
- (m) A CNM-Customer Configuration Management service request is made thru CNM-NVS for a specific PVC activity (e.g., add configurable PVC, change CIR or endpoint on an existing configurable PVC, delete configurable PVC, etc.) involving MSFRS Connections equipped with CNM-Customer Configuration Management Capability. Each CNM-Customer Configuration Management service request will be assigned a service request number to facilitate customer questions and to enable status and tracking.
- (n) A CNM-Customer Configuration Management service request will be provisioned within minutes; however a Cancellation Window of two hours is allowed after successful provisioning during which time the customer may submit a request thru CNM-NVS to cancel or "undo" the request before the change becomes permanent. The customer may specifically request to forgo (close) the Cancellation Window during which a particular service request may be cancelled and commit that CNM-NVS make the service request provisioning become permanent immediately. When the Cancellation Window expires without the customer canceling the service request or the customer foregoes/closes the Cancellation Window, the provisioned service request is made permanent and considered a completed transaction.
- (o) CNM-Customer Configuration Management Capability effectively provides the customer near real-time processing capability to allow them to manage the provisioning and change activities for configurable PVCs within their network. However, access to CNM-Customer Configuration Management Capability is not guaranteed for customer access and use twenty-four hours a day/seven days a week. Customer access may be periodically preempted for higher priority Company network management and maintenance activities. Customer inability to access the CNM-NVS/CNM-Customer Configuration Management systems during these periods will not be considered a service outage.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

(D) Feature Change Charge

A Feature Change Charge applies for a customer request to change an existing MSFRS Optional Feature for which there is no nonrecurring charge. (Examples: A Feature Change Charge applies for a customer request to change the CIR value associated with an existing DLCI. A Feature Change Charge applies for a customer request to change the CIR value associated with an existing DLCI and related ISAL CIR.)

A Feature Change Charge applies in lieu of standard MSFRS nonrecurring charges for a customer request where no physical work is required to convert the customer's existing service to MSFRS from Exchange Access Frame Relay Service and Special Access; standard MSFRS nonrecurring charges apply for such requests when any physical work is required.

(E) Transfer of Service

When a change to the customer of record is requested, transfer of service charges, as set forth in 21.3.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, as identified below, will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contract name or telephone number. The customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name of telephone number, and
- Change of jurisdiction.

All other service arrangements, including physical changes to existing services, will be charged as follows:

- If the change involves the addition of an optional feature that has a separate nonrecurring charge, that nonrecurring charge will apply.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.9 Rate Categories (Cont'd)

The following provides an illustrative customer configuration to depict the application of the MSFRS rate categories.

A customer has three premises within a single LATA between which he needs to transmit data. Within this particular LATA there are two MSFRS Service Areas. Premises A and B are provisioned from Service Area 1; Premises C is provisioned from Service Area 2. Premises A requires a 44.210 Mbps UNI MSFRS Connection because its serving wire center is a SAP in Service Area 1. Premises B requires a 1.536 Mbps UNI Extended Connection (Over 0 to 20 miles) because its serving wire center is outside the Service Area, 15 miles from the closest MSFRS Service Area Point. Premises C requires a 64 Kbps UNI MSFRS Connection because its serving wire center is a SAP in Service Area 2.

The customer would like to establish three PVCs. "PVC I" is a 768 Kbps CIR PVC from Premises A to Premises B. "PVC II" is a zero CIR PVC from Premises A to Premises B. "PVC 3" is a 64 Kbps CIR PVC from Premises A to Premises C. The following rate elements shown by premises would be applicable for this service configuration:

	<u>Premises A</u>	<u>Premises B</u>	<u>Premises C</u>
MSFRS Connection:	44.210 Mbps UNI	1.536 Mbps UNI	64 Kbps UNI
-PVC I:	Initial DLCI 768 Kbps CIR	Initial DLCI 768 Kbps CIR	
-PVC II:	Additional DLCI Zero CIR	Additional DLCI Zero CIR	
-PVC III:	Additional DLCI 64 Kbps CIR 64 Kbps ISAL CIR		Initial DLCI 64 Kbps CIR 64 Kbps ISAL CIR

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections
(1) UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9TU	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5WE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5WE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5WE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5WE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5WE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5WE	230.00	190.00	140.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9TU	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5WE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5WE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5WE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5WE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5WE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5WE	230.00	190.00	140.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
(1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UA	\$ 255.00	\$ 232.00	205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS9EA	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS9EA	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS9EA	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS9EA	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS9EA	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS9EA	955.00	785.00	627.00	1,045.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UB	\$ 255.00	\$ 232.00	205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS9EB	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS9EB	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS9EB	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS9EB	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS9EB	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS9EB	955.00	785.00	627.00	1,045.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.

Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.

Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.

Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.

Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.

Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UC	\$ 320.00	\$ 292.00	\$ 258.00	\$ 925.00
- MSFRS Extended Connection ⁽¹⁾	MS9EC	480.00	420.00	364.00	1,045.00
- MSFRS Extended Connection ⁽²⁾	MS9EC	600.00	515.00	422.00	1,045.00
- MSFRS Extended Connection ⁽³⁾	MS9EC	700.00	593.00	478.00	1,045.00
- MSFRS Extended Connection ⁽⁴⁾	MS9EC	820.00	685.00	543.00	1,045.00
- MSFRS Extended Connection ⁽⁵⁾	MS9EC	920.00	762.00	596.00	1,045.00
- MSFRS Extended Connection ⁽⁶⁾	MS9EC	1020.00	839.00	669.00	1,045.00

⁽¹⁾ Customer Premises SWC is over 0 to 20 miles outside Service Area.

⁽²⁾ Customer Premises SWC is over 20 to 50 miles outside Service Area.

⁽³⁾ Customer Premises SWC is over 50 to 75 miles outside Service Area.

⁽⁴⁾ Customer Premises SWC is over 75 to 100 miles outside Service Area.

⁽⁵⁾ Customer Premises SWC is over 100 to 125 miles outside Service Area.

⁽⁶⁾ Customer Premises SWC is over 125 miles outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
(2) NNI

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9TN	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5RE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5RE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5RE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5RE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5RE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5RE	230.00	190.00	140.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9TN	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5RE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5RE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5RE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5RE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5RE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5RE	230.00	190.00	140.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
(2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NA	\$ 255.00	\$ 232.00	\$ 205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS90A	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS90A	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS90A	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS90A	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS90A	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS90A	955.00	785.00	627.00	1,045.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NB	\$ 255.00	\$232.00	\$ 205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS90B	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS90B	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS90B	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS90B	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS90B	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS90B	955.00	785.00	627.00	1,045.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
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 Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NC	\$ 320.00	\$ 292.00	\$ 258.00	\$ 925.00
- MSFRS Extended Connection ⁽¹⁾	MS90C	480.00	420.00	364.00	1,045.00
- MSFRS Extended Connection ⁽²⁾	MS90C	600.00	515.00	422.00	1,045.00
- MSFRS Extended Connection ⁽³⁾	MS90C	700.00	593.00	478.00	1,045.00
- MSFRS Extended Connection ⁽⁴⁾	MS90C	820.00	685.00	543.00	1,045.00
- MSFRS Extended Connection ⁽⁵⁾	MS90C	920.00	762.00	596.00	1,045.00
- MSFRS Extended Connection ⁽⁶⁾	MS90C	1020.00	839.00	669.00	1,045.00

⁽¹⁾ Customer Premises SWC is over 0 to 20 miles outside Service Area.

⁽²⁾ Customer Premises SWC is over 20 to 50 miles outside Service Area.

⁽³⁾ Customer Premises SWC is over 50 to 75 miles outside Service Area.

⁽⁴⁾ Customer Premises SWC is over 75 to 100 miles outside Service Area.

⁽⁵⁾ Customer Premises SWC is over 100 to 125 miles outside Service Area.

⁽⁶⁾ Customer Premises SWC is over 125 miles outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(3) Manual Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BU	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BV	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BV	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BV	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BV	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BV	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BV	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BU	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BV	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BV	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BV	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BV	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BV	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BV	115.00	96.00	71.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(4) Automatic Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BW	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BX	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BX	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BX	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BX	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BX	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BX	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BW	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BX	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BX	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BX	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BX	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BX	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BX	115.00	96.00	71.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.

Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.

Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.

Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.

Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.

Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(5) Manual Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BM	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BN	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BN	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BN	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BN	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BN	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BN	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BM	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BN	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BN	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BN	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BN	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BN	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BN	115.00	96.00	71.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.

Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.

Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.

Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.

Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.

Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(6) Automatic Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9B0	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BP	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BP	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BP	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BP	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BP	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BP	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9B0	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BP	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BP	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BP	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BP	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BP	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BP	115.00	96.00	71.00	925.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.

Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.

Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.

Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.

Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.

Note 6: Customer Premises SWC is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections
(1) UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	1L5RU	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RU	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RU	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RU	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RU	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RU	210.00	173.00	128.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	1L5RU	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RU	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RU	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RU	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RU	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RU	210.00	173.00	128.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9MA	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9MA	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9MA	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9MA	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9MA	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9MA	925.00	760.00	607.00	770.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9MB	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9MB	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9MB	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9MB	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9MB	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9MB	925.00	760.00	607.00	770.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽¹⁾	MS9MC	\$ 450.00	\$ 394.00	\$ 314.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9MC	570.00	489.00	401.00	770.00
- MSFRS Meetpoint Extended Connection ⁽³⁾	MS9MC	670.00	567.00	457.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁴⁾	MS9MC	790.00	660.00	523.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁵⁾	MS9MC	890.00	737.00	577.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁶⁾	MS9MC	990.00	814.00	650.00	770.00

(1) Customer Premises SWC is over 0 to 20 miles outside Service Area.

(2) Customer Premises SWC is over 20 to 50 miles outside Service Area.

(3) Customer Premises SWC is over 50 to 75 miles outside Service Area.

(4) Customer Premises SWC is over 75 to 100 miles outside Service Area.

(5) Customer Premises SWC is over 100 to 125 miles outside Service Area.

(6) Customer Premises SWC is over 125 miles outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections
(2) NNI

	<u>USOC</u>	Month to <u>Month</u>	A 12 to 24 <u>Months</u>	B 25 to 48 <u>Months</u>	Nonrecurring <u>Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	1L5RN	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RN	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RN	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RN	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RN	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RN	210.00	173.00	128.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	1L5RN	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RN	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RN	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RN	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RN	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RN	210.00	173.00	128.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
(2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9PA	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9PA	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9PA	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9PA	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9PA	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9PA	925.00	760.00	607.00	770.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9PB	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9PB	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9PB	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9PB	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9PB	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9PB	925.00	760.00	607.00	770.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
(2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽¹⁾	MS9PC	\$ 450.00	\$ 394.00	\$ 341.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9PC	570.00	489.00	401.00	770.00
- MSFRS Meetpoint Extended Connection ⁽³⁾	MS9PC	670.00	567.00	457.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁴⁾	MS9PC	790.00	660.00	523.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁵⁾	MS9PC	890.00	737.00	577.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁶⁾	MS9PC	990.00	814.00	650.00	770.00

⁽¹⁾ Customer Premises SWC is over 0 to 20 miles outside Service Area.

⁽²⁾ Customer Premises SWC is over 20 to 50 miles outside Service Area.

⁽³⁾ Customer Premises SWC is over 50 to 75 miles outside Service Area.

⁽⁴⁾ Customer Premises SWC is over 75 to 100 miles outside Service Area.

⁽⁵⁾ Customer Premises SWC is over 100 to 125 miles outside Service Area.

⁽⁶⁾ Customer Premises SWC is over 125 miles outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(3) Manual Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BQ	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BQ	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BQ	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BQ	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BQ	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BQ	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BQ	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BQ	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BQ	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BQ	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BQ	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BQ	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(4) Automatic Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BR	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BR	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BR	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BR	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BR	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BR	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BR	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BR	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BR	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BR	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BR	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BR	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(5) Manual Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BS	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BS	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BS	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BS	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BS	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BS	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BS	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BS	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BS	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BS	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BS	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BS	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(6) Automatic Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BT	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BT	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BT	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BT	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BT	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BT	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BT	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BT	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BT	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BT	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BT	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BT	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features

	<u>USOC</u>	<u>Month</u> <u>to</u> <u>Month</u>	<u>Nonrecurring</u> <u>Charges</u>
(1) DLCI ¹			
-Initial Standard DLCI ²	XAFD1	None	None
-Additional Standard DLCI	XAFD2	\$ 1.50	\$ 70.00
-Initial Priority DLCI ^{2,3}	XAFP1	\$ 5.00	None
-Additional Priority DLCI ³	XAFP2	\$ 5.00	\$ 70.00
-Standard Pivot DLCI	XAFD3	\$ 1.50	\$ 70.00
-Standard Primary DLCI	XAFD4	\$ 1.50	\$ 70.00
-Standard Secondary DLCI	XAFD5	\$ 1.50	\$ 70.00
-Priority Pivot DLCI ³	XAFP3	\$ 5.00	\$ 70.00
-Priority Primary DLCI ³	XAFP4	\$ 5.00	\$ 70.00
-Priority Secondary DLCI ³	XAFP5	\$ 5.00	\$ 70.00

Note 1: These DLCI charges are not applicable for configurable DLCIs provided as part of a Configurable DLCI Bundle associated with CNM-Customer Configuration Management Capability.

Note 2: One "Initial" DLCI is applicable when DLCIs are ordered at the same time as the installation of the MSFRS Connection. Only one Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per MSFRS Connection; all other DLCIs are considered Additional DLCIs.

Note 3: A Priority DLCI must have CIR with a value greater than 0.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
(2) Standard Committed Information Rate (CIR), Per DLCI to be mapped to another DLCI ⁽¹⁾			
-0 Bps	XAFC A	None	None
-Over 0 thru 32 Kbps	XAFC B	\$ 6.30	None
-Over 32 thru 56 Kbps	XAFC C	10.80	None
-Over 56 thru 64 Kbps	XAFC D	11.70	None
-Over 64 thru 128 Kbps	XAFC G	16.20	None
-Over 128 thru 256 Kbps	XAFC H	21.60	None

⁽¹⁾ These CIR Charges are not applicable for configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with Customer Configuration Management Capability.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
(3) Frame Relay to ATM Network Interworking Committed Information Rate (CIR), Per DLCI to be mapped to an ATM PVC Segment			
-0 Bps	MS95A	\$.15	None
-Over 0 thru 32 Kbps	MS95B	6.90	None
-Over 32 thru 56 Kbps	MS95C	11.90	None
-Over 56 thru 64 Kbps	MS95D	12.90	None
-Over 64 thru 128 Kbps	MS95G	17.80	None
-Over 128 thru 256 Kbps	MS95H	23.80	None

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges(Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
(4) Inter Service Area Link (ISAL) Committed Information Rate (CIR) (Per ISAL PVC, per end of link) ⁽¹⁾			
-0 thru 32 Kbps	MS9CB	\$ 6.30	\$ 35.00
-Over 32 thru 56 Kbps	MS9CC	10.80	35.00
-Over 56 thru 64 Kbps	MS9CD	11.70	35.00
-Over 64 thru 128 Kbps	MS9CG	16.20	35.00
-Over 128 thru 256 Kbps	MS9CH	21.60	35.00

⁽¹⁾ These ISAL CIR Charges are not applicable for configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with CNM-Customer Configuration Management Capability.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges(Cont'd)

(C) Optional Features (Cont'd)

(5) Intelligent PVC

Intelligent PVC Charge - One Intelligent PVC Charge applies per customer-specified arrangement of 3 DLCIs and is in addition to the charges for DLCIs.

a) Per Intelligent PVC

	<u>USOC</u>	Month To <u>Month</u>	<u>Nonrecurring Charges</u>
Each	FRV1P	\$ 2.00	None

ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(6) Special Provisioning UNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9AA	\$ 23.00	\$ 20.00	\$ 18.00	\$ 128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9AA	23.00	20.00	18.00	128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AA	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	95.00	86.00	76.00	139.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AC	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DC	95.00	86.00	76.00	139.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AD	48.00	43.00	38.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DD	105.00	95.00	84.00	139.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges.

⁽²⁾ Customer Premises SWC is outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(7) Special Provisioning NNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9AA	\$ 23.00	\$ 20.00	\$ 18.00	\$ 128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9AA	23.00	20.00	18.00	128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AA	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	95.00	86.00	76.00	139.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AC	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DC	95.00	86.00	76.00	139.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AD	48.00	43.00	38.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DD	105.00	95.00	84.00	139.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges.

⁽²⁾ Customer Premises SWC is outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(8) Special Provisioning UNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	\$ 27.00	\$ 24.00	\$ 22.00	\$ 86.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	27.00	24.00	22.00	86.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	91.00	82.00	73.00	116.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JC	91.00	82.00	73.00	116.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JD	101.00	90.00	80.00	116.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges.

⁽²⁾ Meetpoint is outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(9) Special Provisioning NNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	\$ 27.00	\$ 24.00	\$ 22.00	\$ 86.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	27.00	24.00	22.00	86.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	91.00	82.00	73.00	116.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JC	91.00	82.00	73.00	116.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JD	101.00	90.00	80.00	116.00

⁽¹⁾ Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges.

⁽²⁾ Meetpoint is outside Service Area.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

- (10) CNM-Customer Configuration Management Capability - Rate elements following for CNM-Customer Configuration Management Capability are applicable for DLCIs, CIR and ISAL CIR associated with configurable PVCs provisioned by the customer; these rates and charges apply in lieu of those preceding for DLCI, CIR and ISAL CIR rate elements applicable for standard PVCs provisioned by the Company.

- Configurable DLCI Bundles - Each bundle provides the specified quantity of configurable DLCIs, with up to 64 Kbps of CIR and ISAL CIR per DLCI. Multiple bundles may be selected to secure the total quantity, or block, of configurable DLCIs for a MSFRS Connection.

	<u>USOC</u>	<u>Monthly Rate</u>
- 2 DLCI Bundle	XAFKA	\$ 16.50
- 5 DLCI Bundle	XAFKB	41.00
- 15 DLCI Bundle	XAFKC	121.00
- 25 DLCI Bundle	XAFKD	197.00
- 35 DLCI Bundle	XAFKE	270.00
- 50 DLCI Bundle	XAFKF	373.00
- 100 DLCI Bundle	XAFKG	664.00
- 200 DLCI Bundle	XAFKH	1,162.00
- 300 DLCI Bundle	XAFKJ	1,494.00
- 400 DLCI Bundle	XAFKK	1,660.00

- Configurable DLCI Block Establishment/Change Charge - This nonrecurring charge is applicable to initially establish the block of configurable DLCIs for a MSFRS Connection. This charge is also applicable per subsequent request to change the size of the block of configurable DLCIs. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per Request	XAFKY	\$45.00

- DLCI Conversion Charge - This nonrecurring charge is applicable per standard DLCI requested to be converted to a configurable DLCI and per configurable DLCI requested to be converted to a standard DLCI.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per DLCI	XAFKZ	\$16.00

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)

21.3.10 Rates and Charges(Cont'd)

(D) Feature Change Charge

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
-Per Occurrence, Per Feature	XAFFC	None	\$ 50.00

(E) Transfer of Service

-Per Billing Account Number	XAFTF	None	65.00
-----------------------------	-------	------	-------

(F) Fast Speed Change Charge

-112 Kbps thru 1152 Kbps ⁽¹⁾	MS9F1	None	500.00
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(G) Primary MSFRS Connection
Enablement/Change Charge

MS5EC	None	\$ 125.00
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⁽¹⁾ This nonrecurring charge applies per connection changed to either 1) another speed as defined above or 2) a 1.536 Mbps connection. Accordingly, the Fast Speed Change Charge applies in lieu of the Nonrecurring Charge specified in the MSFRS Connections and MSFRS Meetpoint Extended Connections sections of this tariff.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS)

21.4.1 General Description

BellSouth CNM-NVS is available on an optional basis as a feature of the following Fast Packet Access Services:

- Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) described in 21.1
- BellSouth Managed Shared Frame Relay Service (MSFRS) described in 21.4

BellSouth CNM-NVS is a customer network management tool that provides customers a view into their BellSouth Fast Packet network for monitoring and trouble shooting purposes. The following CNM-NVS options are available for XAFRS and MSFRS: Fault Management, On Demand Statistics and Performance Reports.

BellSouth CNM-NVS supports hierarchical names. For example, a customer defines an overall network name (usually the customer name) and then may choose to establish multiple sub-network names. A maximum of five hierarchical tiers are available (the overall network plus four sub-network tiers).

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ACCESS SERVICE
21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
CNM-NVS (Cont'd)

21.4.1 General Description (Cont'd)

Access to the BellSouth CNM-NVS graphical interface is available via a Web Interface; alternatively, a dial or dedicated method described in section 7.4.12, BellSouth SPA CNM - FlexServ Service may also be used to access the CNM-NVS graphical interface. Additionally, CNM-NVS may be accessed via a Remote Message Interface for the collection of raw data. For security reasons, customers are required to identify themselves via a username and password. The username and password are assigned at the time the account is established. Following are descriptions and requirements for each type of Management Access Interface:

1. Web Interface - This interface allows customers to access the BellSouth CNM-NVS graphical interface via the Web using a standard web browser. This type of access requires a Security Card.

Security Card - This card provides the customer a unique password identification code which will electronically change periodically.

If the customer has purchased a Security Card in conjunction with another feature or service offered by BellSouth, that Security Card may also be used in conjunction with CNM-NVS. It is the customer's responsibility to notify BellSouth of an existing Security Card so BellSouth can ensure that the card is validated for multiple features and/or services.

2. Dial Interface access to the BellSouth CNM-NVS graphical interface - See section 7.4.12
3. Dedicated Interface access to the BellSouth CNM-NVS graphical interface - See section 7.4.12
4. Remote Message Interface - This interface will allow SSH-IP connectivity to BellSouth CNM-NVS from other compatible Network Management systems for the collection of raw data. The customer must have SSH access to the CNM-NVS platform. Connectivity must be via a Frame Relay PVC to the Company network. Technical details and limitations on the Remote Message Interface can be found in BellSouth Technical Reference TR-73587.

The customer is responsible for providing and maintaining all terminal equipment necessary to access BellSouth CNM-NVS.

A customer may subscribe to BellSouth CNM-NVS on a monthly basis. An account is established which will include the XAFRS and the MSFRS Connections designated by the customer to have BellSouth CNM-NVS capability. Customers may choose to subscribe to BellSouth CNM-NVS for all Network Interfaces/ Connections in their BellSouth Fast Packet network or choose BellSouth CNM-NVS for only a portion.

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ISSUED: JUNE 16, 2011

EFFECTIVE: JULY 1, 2011

ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.1 General Description (Cont'd)

CNM-NVS is available in two packages:

- 1) Fault Management and On Demand Statistics¹ and
- 2) Fault Management, On Demand Statistics and Performance Reports

All network interfaces/connections within a customer's account must be under the same package. If a customer desires to have both packages, a separate account must be established for each package type. Following is a description of the options available for CNM-NVS:

(A) Fault Management

CNM-NVS provides the ability to monitor fault and alarm information as network events occur. If a BellSouth network event results in automatic rerouting of customer owned PVCs on a Network Interface/Connection within the BellSouth Fast Packet network, such that those PVCs are not service impacted, then BellSouth will not send PVC events to the customer. The following Fault Management features will be available on a customer and sub-network basis:

- BellSouth will provide to the customer, in near real time, all events, faults, and network alarms on any Network Interface/Connection or PVC.
- The customer can determine the severity level of alarms displayed and suppress the alarms they do not wish to view.

(B) On Demand Statistics

CNM-NVS provides customers statistics for each Network Interface/Connection and PVC on a customer and sub-network basis.

(C) Performance Reports

CNM-NVS provides customers network performance reports on their BellSouth Fast Packet network. Customers have the capability of requesting performance reports for interfaces. (Interfaces are defined as Network Interfaces/Connections and PVCs). CNM-NVS provides a measure of the level of network performance of a customer's network and individual interfaces that is called the Network Performance Level. The Network Performance Level components include Incoming Utilization, Outgoing Utilization, Discarded Frames/Cells and Congestion. The Network Performance Level is used in several reports to provide a weighted performance measure taking into account all the performance parameters mentioned above.

Note 1: Effective November 15, 2006, this option will not be available for new customer orders.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.1 General Description (Cont'd)

(C) Performance Reports (Cont'd)

Historical Performance Reports will baseline historic network performance, trend future performance and highlight network performance problems. The following selection of reports is available:

- (1) Network Summary Report – Provides an overview of the customer's network performance in terms of Total Frames/Cells Transmitted and Received, Percent Total Utilization, Total Frames/Cells Discarded, and Percent Frames/Cells Discarded of Total Frames/Cells Transmitted and Received.
- (2) Forecast Report – Provides the Network Interfaces/Connections or PVCs that are projected to exceed customer specific thresholds of Utilization and Congestion.
- (3) Network Interface Performance Report – Provides the Network Performance Level on a customer selectable interface (Network Interface/Connection or PVC).
- (4) Capacity Planning Report – Provides the top ten over-utilized and top ten under-utilized interfaces (Network Interface/Connection or PVC).
- (5) Threshold Exceptions Report – Provides a daily report on the top ten interfaces that exceed a customer selectable threshold parameter. These parameters are Input Utilization, Output Utilization, Incoming Congestion, Outgoing Congestion, In Discards, and Out Discards.
- (6) Top Ten Report – Provides a daily report of the top ten interfaces with the highest volumes and the worst Network Performance Level. It also specifies the top ten interfaces with the greatest change in both volume and Network Performance Level.

(D) Customer Training

Customers who desire training for CNM-NVS can request this training from their BellSouth representative and will be charged the nonrecurring charge for Additional Customer Training set forth in Section 7 of this Tariff.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.2 Maintenance

In order to maintain the quality of CNM-NVS, the Company reserves the right to perform preventive maintenance and software updates. This could result in CNM-NVS being unavailable during the time period between Midnight and 3:00 A.M. Eastern Time on Sundays. In addition, preventive maintenance may be performed on the XAFRS and MSFRS circuits being monitored by CNM-NVS during the time period between 2:00 A.M. and 4:00 A.M. Eastern Time on the specific days as set forth by state in the following chart. BellSouth CNM-NVS will be unable to view these circuits while preventive maintenance is being performed. The Telephone Company only expects to utilize this maintenance window on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

<u>State</u>	<u>Scheduled Maintenance Days</u>
Alabama	Sunday and Monday
Florida	Sunday and Wednesday
Georgia	Sunday and Friday
Kentucky	Sunday and Monday
Louisiana	Sunday and Tuesday
Mississippi	Sunday and Tuesday
North Carolina	Sunday and Saturday
South Carolina	Sunday and Saturday
Tennessee	Sunday and Thursday

21.4.3 Minimum Period of Service

The minimum period of service is one month.

21.4.4 Rate Regulations

- A. Rates and charges are specified in 21.6.6 following for CNM-NVS. Unless specified otherwise, BellSouth CNM-NVS is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.4.8.(F) preceding.
- B. The rates and charges set forth for CNM-NVS provide for the furnishing of service where suitable facilities are available.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.5 Rate Categories

The following rate categories apply to BellSouth CNM-NVS:

- (A) Service Establishment Charge
The Service Establishment Charge is a nonrecurring charge which applies per customer account. This charge covers the initial establishment and set-up of the customer account in the CNM-NVS database. A username(s) and password(s) will be assigned for use by the customer in accessing their account. At the time the account is established, a customer may also choose to establish sub accounts.
- (B) Fault Management and On Demand Statistics¹
A monthly charge applies for each Network Interface/Connection in the customer's network with CNM-NVS capability. A nonrecurring charge is applicable per Network Interface/Connection at the time of installation.
- (C) Fault Management, On Demand Statistics and Performance Reports
A monthly charge applies for each Network Interface/Connection in the customer's network with CNM-NVS capability. A nonrecurring charge is applicable per Network Interface/Connection at the time of installation.
- (D) Subsequent Modification Charge
The Subsequent Modification Charge is a nonrecurring charge which applies per Network Interface/Connection when a CNM-NVS customer requests that existing CNM-NVS Network Interfaces/Connections or PVCs be modified. Examples of this charge include change of customer name and movement between packages. This charge is not applicable:
 - when a new PVC is added to an existing CNM-NVS Network Interface/Connection and CNM-NVS is requested for the new PVC, or
 - for a request to change a password.

Note 1: Effective November 15, 2006, this option will not be available for new customer orders.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS)

21.4.5 Rate Categories (Cont'd)

(E) Management Access Interface

All customers must have a Management Access Interface. This connection allows the customer to monitor their network. A monthly charge applies for each Web Interface and each Remote Message Interface; a nonrecurring charge is applicable per Web Interface and per Remote Message Interface at the time of installation. A Security Card described below is required for web access. See section 7.5.18 preceding for the rates and charges for a Management Access Interface using a dial or dedicated access option.

Effective May 16, 2008, a Security Card will not be required for web access to the Management Access Interface and will not be available for new customer orders. Customers with an existing Security Card may continue using the card, but new orders will not be accepted. Security for Web Access users will be provided using a customer user identification code and password.

- Security Card - The Security Card charge is a nonrecurring charge applicable for the issuance of the initial card or for the issuance of additional cards for additional users or to replace a lost, damaged or expired card.

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ACCESS SERVICE
21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.6 Rates and Charges

(A) Service Establishment Charge

	Nonrecurring Charge	USOC
(1) Per Customer	\$250.00	NVSSE

(B) Fault Management and On Demand Statistics⁽¹⁾
Per Network Interface or Connection

(1) XAFRS or MSFRS

	Nonrecurring Charge	Monthly Rate	USOC
(a) Per DSO	\$75.00	\$ 0.00	NVSFO

(C) Fault Management, On Demand Statistics and Performance Reports
Per Network Interface or Connection

(1) XAFRS or MSFRS

(a) Per DSO	\$75.00	\$ 0.00	NVSR0
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⁽¹⁾ Effective November 15, 2006, this option will not be available for new customer orders.

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ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)

21.4.6 Rates and Charges (Cont'd)

(D) Subsequent Modification Charge

(1) Per Network Interface or Customer Connection

	Nonrecurring Charge	USOC
(a) Each	\$70.00	NVSSM

(E) Management Access Interface¹

(1) Web Interface

	Nonrecurring Charge	Monthly Rate	USOC
(a) Each	\$125.00	\$25.00	NVSW1

(2) Remote Message Interface

(a) Each	\$125.00	\$25.00	NVSRM
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(F) Security Card

(1) Per Card

	Nonrecurring Charge	USOC
(a) Each	\$100.00	NVSSC

Note 1: See section 7.5.18(A) for a dial or dedicated access option.

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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 22-1
CANCELS 1ST REVISED PAGE 22-1

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ACCESS SERVICE

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TARIFF F.C.C. NO. 1
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