

# ORIGINAL

Red Rock Telecommunications, LLC  
Approved Pursuant to Decision 74690

A.C.C. No. 1  
Original Page 1

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## TITLE SHEET

### ARIZONA TELECOMMUNICATIONS TARIFF

This tariff contains the service descriptions and rates applicable to the provisioning of services and facilities for intrastate telecommunications by Red Rock Telecommunications, LLC, between and among points within the state of Arizona. This tariff is on file with the Arizona Corporation Commission, and copies are available for inspection at the Company's principal place of business.

Services listed herein may be provided by means of fiber optics, copper wire, microwave or any other suitable technology or combination thereof.

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Issued: August 11, 2015

Effective: August 11, 2015

Red Rock Telecommunications, LLC  
P.O. Box 26565  
Scottsdale, Arizona 85255

APPROVED FOR FILING  
DECISION NO. 74690

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A.C.C. No. 1  
Original Page 2

## Check Sheet

Page 1 through 38 inclusive, of this tariff, are effective as of the date shown.

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
1	Original	29	Original
2	Original	30	Original
3	Original	30	Original
4	Original	30	Original
5	Original	31	Original
6	Original	32	Original
7	Original	33	Original
8	Original	34	Original
9	Original	34	Original
10	Original	34	Original
11	Original	35	Original
12	Original	36	Original
12	Original	37	Original
13	Original	38	Original
14	Original		
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28	Original		

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A.C.C. No. 1  
Original Page 3

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## TABLE OF CONTENTS

	Page
CHECK SHEET .....	2
TABLE OF CONTENTS .....	3
SYMBOLS USED IN THIS TARIFF .....	4
SECTION 1. DEFINITIONS AND ABBREVIATIONS .....	5
SECTION 2. TERMS AND CONDITIONS .....	8
SECTION 3. DEDICATED ACCESS SERVICES .....	16
SECTION 4. ENHANCED LOCAL TELEPHONE SERVICE .....	20
SECTION 5. FRAME RELAY SERVICE .....	28
SECTION 6. DATA SERVICES .....	30
SECTION 7. DIRECTORY LISTINGS .....	31
SECTION 8. ADVANCED COMMUNICATIONS NETWORKS .....	33

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A.C.C. No. 1  
Original Page 4

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## **SYMBOLS USED IN THIS TARIFF**

- (C) to signify changed regulation
- (D) to signify discounted rate or regulation
- (I) to signify a rate increase
- (M) to signify mater relocated without change
- (N) to signify a new rate or regulation
- (R) to signify a rate reduction
- (T) to signify a change in wording of text but not a change in rate, rule or condition

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A.C.C. No. 1  
Original Page 5

## SECTION 1. DEFINITIONS AND ABBREVIATIONS

Access Line - A communications facility that connects service from a common distribution source to the service access point.

Add/Drop Multiplexing - A multiplexing function that allows lower level signals to be added or dropped from a Digital Signal Level.

Advance Payment - Partial payment of a billing required prior to the connection of service.

Authorized User - A person, firm or corporation that is authorized by the Customer to be connected to the service of the Customer.

Auxiliary Line Service - Additional line(s) furnished to supplement the main line service.

Bandwidth - The range of frequencies, expressed in kilobits per second, that can pass over a given data transmission channel.

Basic Exchange Telecommunications Service - Service offered to end users at a flat or measured rate which affords access to the telecommunications network including access to ancillary services such as 911, directory assistance and operator services.

Bit - The smallest unit of information in a binary system of notification.

Bits per Second (bps) - The number of bits transmitted in a one second interval.

Carrier, Company or Telephone Company - The issuing carrier as listed in this tariff, unless stated otherwise.

Channel - A path for transmission between two or more points, the path having a bandwidth and termination of the Customer's choosing.

Circuit - A channel used for the furnishing of telephone and other communication services.

Commission - The Arizona Corporation Commission.

Committed Information Rate (CIR) - Custom Data Transmission rate for Frame Relay is computed using FRF 1.0 CIR definitions.

Customer - Any person, firm, partnership, corporation or other entity, or a group thereof, which uses service under the terms and conditions of the Tariff and is responsible for the payment of charges.

Customer-Provided Equipment (CPE) - Communications equipment, apparatus and associated wiring, provided by the Customer.

Dedicated Transport - A method for a Customer to connect two locations of its choice using non-switched services.

Digital Cross-Connect System (DCS) - Mechanism utilized in grooming, filling, and segregation of special services and message traffic.

Digital Signal Level - One of several transmission rates in the time-division multiplex hierarchy.

Digital Signal Level 0 (DS0) - The 64 kbps zero-level signal in the time-division multiplex hierarchy.

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Digital Signal Level 1 (DS1) - The 1.544 kbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS1 is the initial level of multiplexing.

Digital Signal Level 3 (DS3) - The 44.736 kbps third-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS3 is defined as the third level of multiplexing.

Direct Inward Dialing (DID) - Direct number mapping to a PBX station without attendant assistance.

DID/DOD - Combined capabilities of Direct Inward and Direct Outward Dialing.

Direct Outward Dialing (DOD) - Direct dialing, via intrinsic capabilities of PBX systems, to an outside station without attendant assistance.

End User - Any person, firm, partnership, corporation or other entity which uses the services of the Company under the terms and conditions of this tariff through arrangements with the Customer.

Flat Rate Service - Unlimited calling privileges to a specified area furnished at a fixed periodic charge.

Individual Case Basis (ICB) - A condition where the regulations (if applicable), rates, and charges for an offering under the provisions of this Tariff are developed on the circumstances in each case.

Interface - The interconnection between two pieces of equipment or systems, which includes the type, quantity, and function of the interconnecting circuits and the type and form of the signals to be interchanged via those circuits.

Kilobits per second (kbps) - A measure of digital transmission speeds in terms of thousands of bits per second.

Local Exchange Company (LEC) - The incumbent local exchange carrier in an area also served by the Company, i.e. U.S. West.

Local Exchange Services - Any of the services offered within this tariff, either individually or in combination.

Local Number Portability (LNP) - Provides for full local number portability allowing customers to keep existing telephone numbers when transferring service between carriers.

Local Service Area - The area in which exchange service is obtained without the payment of a toll.

Local Telephone Service - encompasses the services pursuant to this tariff, either individually or in combination.

Megabits per second (Mbps) - A measure of digital transmission speeds in terms of millions of bits per second.

Multiplexing/MUXING/MUX - The sequential combining of lower bit or data rate Private Line Services onto a higher bit or data rate Private Line Service.

Mileage - The measurement upon which charges are computed for line extensions

Network Services - Any authorized service, or combination of services, offered by the Company.

NSF Check - Any negotiable instrument returned by a bank, savings institution, or other eligible institution which is returned for one of the following reasons: non-sufficient funds, uncollectible funds, account closed, account frozen, or no account.

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Optical Carrier - Level N (OC-N) - The hierarchy of optical SONET signals at multiples of 51.840 Mbps. The value of N ranges from 1 to 192.

Permanent Virtual Circuit (PVC) - Data Path (Virtual Circuit) between two end points in a packet network.

Point of Interface or Point of Interconnection (POI) - Mutually agreed upon point of demarcation where the exchange of traffic between two certified carriers takes place.

Premises - The physical space designed by the Customer for the termination of the Company's services.

Service - Any benefit or function provided to or obtained by a Customer from the Company, which is described in this Tariff.

Synchronous Optical Network (SONET) - Family of optical transmission rates and interface standards. Base optical line rate is 51.840 Mbps. Higher rates are direct multiples.

Type I Service: Type I service is provided where both endpoints of a channel are serviced by MTI's network.

Type II Service: Type II service is provided where at least one endpoint of a channel is serviced by the network of an entity other than MTI.

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**SECTION 2. TERMS AND CONDITIONS**

**2.1 Undertaking of the Company**

This tariff sets forth the Company's rates, terms and conditions for services to Customers for intrastate communications. All services, unless explicitly stated, are available twenty-four hours per day, seven days per week.

The Company arranges for installation, operation, and maintenance of the service provided in this tariff for the Customer in accordance with the terms of this tariff.

Each service is offered independent of others, unless otherwise noted. Service is offered via the Company's facilities in combination with resold services provided by other certificated carriers.

**2.2 Application for Service**

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

**2.3 Supply to Separate Premises and Resale**

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

**2.3.1 Prohibited Uses**

The Company's offerings shall not be used for any unlawful purpose. Likewise, any use as to which the Customer has not obtained all governmental approvals, authorizations, licenses, consents and a permit required to be obtained is prohibited.

**2.4 Transfer or Assignment of Service**

Customer shall not, without prior written consent of the Company, transfer or assign the use of service. Such transfer or assignment shall apply where there is no interruption of the use or location of the service.

Prior written permission of the Company is required before any assignment or transfer. All applicable rates, terms and conditions contained in this Tariff shall apply to all such permitted assignees or transferees.

The Company may, without obtaining any further consent from the Customer, assign any rights, privileges, or obligations under this Tariff.

**2.5 Limitations on Liability of the Company**

The services the Company furnishes are subject to the terms, conditions, and limitations specified in this tariff and to such particular terms, conditions, and limitations as set forth in the special regulations applicable to the particular services and facilities furnished under this tariff.

The Company will not be liable for any special, consequential, exemplary, or punitive damages a Customer may suffer, whether or not caused by acts, omissions, or negligence of the Company's employees or agents.

The Company shall not be liable for any failure of performance of equipment due to causes beyond its control, including but not limited to: acts of God, fire, flood or other catastrophes; any law, order, regulation,

direction, action, or request of the United States Government, or any other government, including state and local governments having or claiming jurisdiction over the Company, or of any department, agency, commission, bureau, corporation, or other instrumentality of any one or more of the federal, state, or local governments, or of any civil or military authority; national emergencies; insurrections; riots; wars; unavailability of rights-of-way or materials; or strikes, lock-outs, work stoppages, or other labor difficulties.

The Company shall not be liable for any act or omission of any entity furnishing to the Company or to the Company's Customers facilities or equipment used for or with Network Services the Company offers.

The Company shall not be liable for any damages or losses due to the fault or negligence of the Customer or due to the failure or malfunction of Customer-provided equipment or facilities.

The Company shall not be liable for the claims of vendors supplying equipment to Customers of the Company which may be installed at premises of the Company; nor shall the Company be liable for the performance of said vendor or vendor's equipment.

## **2.6 Liability of the Customer**

The Customer shall indemnify, defend and hold harmless the Company (including the costs of reasonable attorney fees) against:

Claims for libel, slander, infringement of copyright or unauthorized use of any trademark, trade name or service mark arising out of the material, data, information, or other content transmitted over the Company's facilities or equipment;

Claims for patent infringement arising from combining or connecting the Company's facilities or equipment with facilities, equipment, apparatus, or systems of the Customer; and

All other claims (including, without limitation, claims for damage to any business or property, or injury to, or death of, any person) arising out of any act or omission of the Customer, or the Customer's agents, or End Users in connection with any service or facilities or equipment provided by the Company.

## **2.7 Continuity of Service**

In the event of prior knowledge of an interruption of service for a period exceeding one day, the Customer will, if feasible, be notified in writing, by mail or facsimile, at least one week in advance.

## **2.8 Service Connections and Facilities on Customer's Premises**

Customer shall allow Company continuous access and right-of-way to Customer's premises to the extent reasonably determined by Company to be appropriate to the provision and maintenance of services, equipment, facilities and systems relating to this tariff. Customer shall furnish Company, at no charge, such equipment space and electrical power as is reasonably determined by Company to be required and suitable for such purposes.

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

The Company may substitute, change or rearrange any equipment or facility at any time and from time to time, but shall not thereby alter the technical parameters of the service provided the Customer

Title to all facilities provided in accordance with this tariff remains in the Company, its agents or contractors.

Customer provided terminal equipment, operating personnel, and electric power consumed by such equipment on the premises of the Customer, or authorized user, shall be provided by and maintained at the expense of the Customer, or authorized user.

The Customer, or authorized user, is responsible for ensuring that Customer provided equipment connected to Company equipment and facilities is compatible with such Company equipment and facilities. Where the facilities are provided by the Customer, the installation shall be in accordance with the Company's specification. The magnitude and character of the voltages and currents impressed on Company provided equipment and wiring by the connection, operation, or maintenance of such equipment and wiring shall be such as not to cause damage to the Company's employees or to other persons. Any additional protective equipment required to prevent such damage or injury shall be provided by the Company at the Customer's expense.

**2.9 Establishment and Re-establishment of Credit**

The Company may conduct a credit investigation of each new customer. A Customer whose service has been discontinued for nonpayment of bills may be required to re-establish credit before service is restored.

**2.10 Deposits**

The Company does not require deposits, advances or prepayments.

**2.11 Minimum Period**

The minimum period for which services are provided and for which rates and charges are applicable is one month unless otherwise specified. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the entire minimum period, whether the service is used or not.

**2.12 Term Agreements**

Monthly service: the minimum period of service shall be thirty (30) days. Service may be terminated upon thirty (30) days written notice to the Company.

Annual Service: the minimum service period is one (1) year. Service is automatically renewed for a corresponding one (1) year period unless the Company is notified in writing, at least thirty (30) days prior to the expiration of the one (1) year term, of the Customer's intent to terminate.

Multiple Year Service: the minimum service period will be greater than one (1) year. Service is automatically renewed for a one (1) year period unless the Company is notified in writing, at least thirty (30) days prior to the expiration of the initial service term or any automatic renewal period, of the Customer's intent to terminate.

Termination Liability Charges: the termination liability charges will be based upon the term rates in effect at the time of termination. The termination charge is 100% of the rates for the unexpired portion of the contract.

For term agreements terminated prior to expiration, which were installed under a waiver of nonrecurring charges, the Customer shall be liable for the applicable nonrecurring charge in effect at the time of installation.

**2.13 Rendering and Payment of Bills**

The Customer is responsible for the payment of all charges incurred by the Customer or authorized users for services and facilities furnished to the Customer by the Company.

- A. Non-recurring installation charges are due and payable upon presentment of an invoice to the Customer.
- B. Recurring charges are due and payable upon presentment of an invoice to the Customer for the service or facility furnished.
- C. Billing starts on the day after the Company notifies the Customer the service or facility is available to use. Billing accrues through and includes the day that the service, circuit, arrangement or component is discontinued. Taxes will be separately stated on Customer's bill.
- D. The billing date shall be printed on the bill and the date rendered shall be the mailing date. Bills for telephone services may be considered delinquent 15 days after the date the bill is rendered. Delinquent accounts for which payment has not been received may be terminated 22 days after the date the bill is rendered.
- E. All payments shall be made at or mailed to the office of the utility or to the utility's duly authorized representative.
- F. If the Company receives any portion of the payment after the payment date, or if any portion of the payment is received by the Company in funds, which are not immediately available to the Company, then a late payment penalty shall be due the Company. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. Pursuant to A.A.C. R14-2-508(G)(3), the late factor shall be 1.5% per month. This will be compounded daily for the number of days from the payment date to and including the date that the Customer actually makes the payment to the Company.
- G. The Customer will be assessed a charge of twenty-five dollars (\$25.00) for each check submitted by the Customer to the Company which a financial institution refuses to honor.

**2.14 Disputed Bills**

Any Customer who disputes a portion of a bill rendered for Company services and/or facilities shall pay the undisputed portion of the bill and provide written notice to the Company that such unpaid amount is in dispute prior to the delinquent date of the bill. Unless such notice is received in the timely fashion indicated above, the bill statement shall be deemed to be correct and payable in full by the Customer.

Upon receipt of the Customer notice of dispute, the Company shall:

Notify the Customer within five working days of the receipt of a written dispute notice.

Initiate a prompt investigation as to the source of the dispute.

Withhold disconnection of service until the investigation is completed and the Customer is informed of the results.

In the event the dispute is resolved in favor of the Customer and the Customer has withheld the disputed amount, no penalties will apply. If the Customer has paid the disputed amount, the Customer will receive an interest credit from the Company for the disputed amount times a late factor as set forth in Section 2.13.

In the event the dispute is resolved in favor of the Company and the Customer has paid the disputed amount on or before the payment due date, no penalties apply. If the Customer has withheld the disputed amount, any payments withheld pending resolution of the disputed amount shall be subject to the late penalty as set forth in Section 2.13.

## **2.15 Discontinuance and Restoration of Service**

The Customer may discontinue service upon 30 days written notice to the Company. Customer shall be responsible for payment of all bills for services and/or facilities furnished until the cancellation date specified by the Customer. A termination liability charge applies to early cancellation of a term agreement.

Without incurring liability, Company may, without notice, limit or discontinue service to Customer or may withhold the provision of ordered or contracted services for any of the following reasons:

For nonpayment of any sum due Company for more than thirty days after issuance of the bill for the amount due,

For violation of any of the provisions of this tariff,

For violation of any law, rule, regulation or policy of any governing authority having jurisdiction over Company's service,

By reason of any order or decision of any court, state or federal regulatory body or other governing authority prohibiting Company from furnishing its service,

If a Customer or user causes or permits any signals or voltages to be transmitted over Company's network in such a manner as to cause a hazard or to interfere with Company's service to others,

If necessitated by conditions beyond the control of the Company,

If the Company has good faith reason to suspect fraudulent use of its facilities, or

Upon the Customer's filing for bankruptcy or reorganization, or failing to discharge an involuntary petition therefor within the time permitted by law.

If service has been discontinued for nonpayment or as otherwise provided herein and the Customer wishes it continued, service may be restored when all past due amounts are paid or the event giving rise to the discontinuance (if other than nonpayment) is corrected. Nonrecurring charges may apply to restored service.

Restoration of services disrupted shall be in accordance with Commission Rules and Regulations, which specify the priority system for such activities.

## **2.16 Cancellation of Application for Service**

Where the Customer or applicant cancels an application for service prior to receipt of a final order confirmation (FOC) or prior to the start of special construction, no charges apply. While the exact time of circuit engineering may vary, for tariff administration purposes, FOC is defined as being within five

(5) working days after the completion of a fully executed Service Order Form. All expedited orders are deemed to have FOC within two (2) working days.

**2.17 Notices**

All Notices shall be in writing addressed to the parties and shall be considered as delivered (a) on the third business day after the date of mailing if sent certified mail or (b) when received in all other cases, including facsimile or other printed electronic medium or personal delivery.

**2.18 Interconnection with Other Common Carriers**

Service furnished by the Company may be interconnected with services or facilities of other authorized communications common carriers and with private systems, subject to technical limitations established by the Company. Service furnished by the Company in this regard is not part of a joint undertaking with such other common carriers or systems.

**2.18.1 SS7 Interconnection**

When the Customer uses SS7 signaling to set up calls pursuant to this tariff, the Customer shall provide, if available, Calling Party Number (CPN) within the SS7 signaling message. If it is technically infeasible for the Customer to use SS7 signaling, the Customer shall use multi-frequency (MF) signaling. The Customer may elect to arrange for signaling connectivity through a third party provider, which is connected to the Company's SS7 network

Access to SS7 signaling provides service offerings to Customers, including requesting facilities-based carriers/providers seeking access to the Company's Common Channel Signaling (CCS) network including access to signaling ports and links providing a number of access arrangements for use by Customers, including facilities-based carriers/providers using their own switching facilities.

The MTI CCS network is a digital data network that carries signaling information and interfaces with the voice/data network. The network uses the SS7 protocol, a protocol developed by the Consultative Committee for International Telephone and Telegraph (CCITT) and the American National Standards Institute (ANSI) for signaling functions such as routing, establishing connections and other services. Separate agreements may be required for passing optional services in the SS7 protocol over the CCS network.

The MTI Signaling Access Service provides access to the MTI CCS network for the purpose of signaling to/from the MTI Signaling Points/Signal switching points (SP/SSP)'s.

A Customer has the option of connecting to the Company's SS7 network either:

- A. Via a third party, or
- B. Via another signaling interconnection arrangement agreed upon by PITT and Customer on an individual case basis.

**2.18.1.2 CSAC PIU and POM**

For purposes of CCSAC ISUP Call Set-up requests, Percent Other Messages (POM) shall be established by dividing the customer CCSAC ISUP Call Set-up requests (originating and terminating) associated with local, EAS, intraMTA, the Local Exchange Company

portion of jointly provided Switched Access and Company originated toll by the total number of CCSAC TSUP Call Set-up requests (originating and terminating) and expressing the result as a percentage in a whole number.

CCSAC PIU and POM reports will serve as the basis for prorating the charges. The percentage of a CCSAC rate element to be charged is applied in the following manner:

1. For the following chargeable rate elements: CCSAC Entrance Facility, Direct Link Transport, CCS Links, STP Port, Multiplexing, TCAP message charges, and all nonrecurring charges; multiply one hundred percent minus the CCSAC PIU times the quantity of chargeable elements times the state Tariff rate per element.

2. For chargeable rate elements associated with ISUP Call Set-up requests, multiply the percent intrastate use (100 minus the sum of the CCSAC PIU plus the CCSAC POM) times the actual use times the stated Tariff rate.

The CCSAC PIU and POM factors will change as revised declarations are submitted.

### 2.18.2 Application of Charges

The rates that apply for MTI Signaling Access Service

Rates and charges for Customer's use of the CCSAC/SS7 network will be assessed based on Customer's specific design requirements. Both nonrecurring and monthly recurring rates may be applicable. Rate elements for CCSAC/SS7 are:

(a) Nonrecurring rates. CCSAC Option Activation Charge - Assessed for adding or changing a point code in the signaling network. MTI will charge Customer based upon its selection of either basic or database activation.

(b) Recurring Rates.

1. Signal Formulation Charge - An ISUP Signal Formulation charge is assessed, per call set-up request, for formulating signaling messages in association with call set-up.

2. Signal Transport Charge - An ISUP Signal Transport charge is assessed, per call set-up request, for signaling messages transported to or from the local STP in association with call set-up.

A TCAP Signal Transport charge is assessed per data request transported to or from a local STP and destined for a foreign database.

3. Signal Switching Charge - a per call set up request or data charge for switching an SS7 message at the local STP. This rate element includes separate charges for ISUP and TCAP messages.

**COMMON CHANNEL SIGNALING/SS7**

	Monthly Rate	
	Access	POM
Signal Formulation, ISUP, per call set-up request	\$0.00829	0
Signal Transport, ISUP, per call set-up request	\$0.00559	0
Signal Transport, TCAP, per data request	\$0.000418	0
Signal Switching, ISUP, per call set-up request	\$0.001162	0
Signal Switching, TCAP, per data request	\$0.000460	0
SCP/Databases – Per Message	\$0.0010	0

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**DECISION NO. 74690**

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**SECTION 3. DEDICATED ACCESS SERVICES**

**3.1 Dedicated Access Services Description**

Dedicated Access Services consists of any of the services offered pursuant to this tariff, either individually or in combination. Each service is offered independent of the others. Service is offered via the Company's facilities for the transmission of communications, unless otherwise noted. Channel terminations utilizing a combination of Company owned facilities and non-Company owned facilities will be provided at the sole discretion of the Company, on an Individual Case Basis (ICB).

**3.2 Services Offered**

Digital channels over the Company's network are furnished for full-duplex transmission of digital signals. The following private line services are offered in this tariff:

DS3 and DS1 Service

The Company on an ICB may provide other services.

**3.3 Service Rate Elements**

Each service furnished by the Company has applicable non-recurring and recurring rates. Monthly recurring rates are variable according to the term in which the Customer commits. Unless otherwise noted, three common rate elements are utilized in the calculation of monthly recurring rates:

Local Distribution Channel - This element applies to each end-point of the digital channel provided.

Interoffice Mileage - This element applies whenever there is mileage associated with the digital channel. The number of miles (Interoffice Mileage) between the two end offices serving the geographic areas in which the endpoints of the channel are located is multiplied by the unit rate. Interoffice mileage is determined according to the V&H coordinate method set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. Fractions of a mile are rounded up to the next whole mile before rates are applied.

Fixed Interoffice - This element applies per digital channel whenever there is mileage associated with the channel.

**3.4 Optional Features**

Optional features and functions are likewise available on an ICB, these include:

Cross-Connection - This element applies for cross-connections within Company locations between one or more Customer services, or between the services of different Customers.

Multiplexing - This element applies where the Customer requests that its services be multiplexed onto higher bandwidth facilities for delivery to the Customer.

DCS Port Charge - This element applies where the Customer requests that its services be connected to a DCS port.

**3.5 DS3 Elements and Rates**

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

Clear Channel DS3 - A DS3 signal that is transmitted intact and transparently as provided at the Customer interface.

M13 Framed DS3 - A DS3 that is channelized into 28 DS1 signals and includes a predefined standard multiplexing scheme as defined by ANSI T1.107a.

C-bit Parity Framed DS3 - Utilized in subrated or non-subrated DS3 signals. This service is defined in ANSI T1.107a.

**TYPE I DS3 Rates**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
Local Distribution Channel	\$ 600.00	\$ 1,450.00	\$ 1,300.00	\$ 1,210.00	\$ 1,180.00

	Monthly	1 Yr.	3 Yr.	5 Yr.
0 miles	None	None	None	None
0 - 8 miles Fixed	\$ 315.00	\$ 310.00	\$ 282.00	\$ 251.00
0 - 8 miles per mile	\$ 47.00	\$ 45.00	\$ 41.00	\$ 36.00
8 - 25 miles Fixed	\$ 348.00	\$ 342.00	\$ 321.00	\$ 284.00
8 - 25 miles per mile	\$ 48.00	\$ 46.00	\$ 42.00	\$ 37.00
25 - 50 miles Fixed	\$ 372.00	\$ 368.00	\$ 346.00	\$ 316.00
25 - 50 miles per mile	\$ 49.00	\$ 47.00	\$ 43.00	\$ 38.00
Over 50 miles Fixed	\$ 402.00	\$ 397.00	\$ 381.00	\$ 337.00
Over 50 miles per mile	\$ 50.00	\$ 49.00	\$ 48.00	\$ 42.00

**TYPE II DS3 Rates**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
Local Distribution Channel	\$ 741.90	\$ 1,800.00	\$ 1,746.00	\$ 1,620.00	\$ 1,440.00

	Monthly	1 Yr.	3 Yr.	5 Yr.
0 miles	None	None	None	None
0 - 8 miles Fixed	\$ 372.00	\$ 361.20	\$ 334.80	\$ 297.60
0 - 8 miles per mile	\$ 51.60	\$ 50.40	\$ 46.80	\$ 40.80
8 - 25 miles Fixed	\$ 420.00	\$ 408.00	\$ 378.00	\$ 336.00
8 - 25 miles per mile	\$ 51.60	\$ 50.40	\$ 46.80	\$ 40.80
25 - 50 miles Fixed	\$ 456.00	\$ 442.80	\$ 410.40	\$ 364.80
25 - 50 miles per mile	\$ 52.80	\$ 51.60	\$ 48.00	\$ 42.00
Over 50 miles Fixed	\$ 492.00	\$ 447.60	\$ 442.80	\$ 393.80
Over 50 miles per mile	\$ 60.00	\$ 58.80	\$ 54.00	\$ 48.00

Issued: August 11, 2015

Effective: August 11, 2015

Red Rock Telecommunications, LLC  
 P.O. Box 26565  
 Scottsdale, Arizona 85255

**APPROVED FOR FILING**  
**DECISION NO. 74690**

**3.6 DS1 Elements and Rates**

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

Unframed DS1 - A DS1 signal that does not follow the standard framing formats of 192 bits for data and the 193rd bit for framing. An unframed DS1 cannot be synchronized to the network.

D4/SF DS1 - A framed DS1 consisting of 12 frames of 192 bits preceded by one framing bit. The 12 frames, called a superframe, provide a mechanism for identifying robbed-bit signaling channels. This service can be coded AMI or B8ZS.

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

Fanout DS1 service allows a Customer to aggregate up to 28 DS1 digital channels, which terminate at the same location into a single DS3 Local Distribution Channel. DS1 and DS3 channels provided as part of a Fanout DS1 service shall meet the technical specifications set forth herein.

This service consists of up to 28 DS1 digital channels, which are aggregated at a network node onto a standard DS3 circuit with interoffice mileage and a local distribution channel at the terminating end.

The three common elements of DS1 fanout services consist of:

DS1 local distribution channels - DS1 rates incorporated in this tariff are applied.

Central Office Multiplexing - aggregates the 28 DS1's onto the DS3 interoffice facilities.

DS3 Interoffice Mileage & Local Distribution Channel - Rated as standard DS3 circuit.

Optionally the customer can elect for client premise multiplexing, which aggregates the Customer side 28 DS-1's into DS3 interoffice facilities.

**Type I DS1 Rates**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
Local Distribution Channel	\$ 300.00	\$ 131.00	\$ 116.00	\$ 112.00	\$ 101.00

	Monthly	1 Yr.	3 Yr.	5 Yr.
0 miles	None	None	None	None
0 - 8 miles Fixed	\$ 100.00	\$ 86.00	\$ 83.00	\$ 71.00
0 - 8 miles per mile	\$ 18.00	\$ 14.00	\$ 13.00	\$ 11.00
8 - 25 miles Fixed	\$ 124.00	\$ 108.00	\$ 105.00	\$ 88.00
8 - 25 miles per mile	\$ 18.00	\$ 15.00	\$ 15.00	\$ 13.00
25 - 50 miles Fixed	\$ 128.00	\$ 113.00	\$ 110.00	\$ 96.00
25 - 50 miles per mile	\$ 19.00	\$ 17.00	\$ 17.00	\$ 15.00
Over 50 miles Fixed	\$ 132.00	\$ 126.00	\$ 123.00	\$ 108.00
Over 50 miles per mile	\$ 19.00	\$ 18.00	\$ 17.00	\$ 15.00

Issued: August 11, 2015

Effective: August 11, 2015

Red Rock Telecommunications, LLC  
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<p><b>APPROVED FOR FILING</b>  <b>DECISION NO. 74690</b></p>
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**Type II DS1 Rates**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
Local Distribution Channel	\$ 375.90	\$ 150.00	\$ 138.00	\$ 138.00	\$ 120.00

	Monthly	1 Yr.	3 Yr.	5 Yr.
0 miles	None	None	None	None
0 - 8 miles Fixed	\$ 103.90	\$ 103.90	\$ 93.42	\$ 83.04
0 - 8 miles per mile	\$ 16.26	\$ 16.26	\$ 14.64	\$ 13.01
8 - 25 miles Fixed	\$ 131.82	\$ 131.82	\$ 118.66	\$ 105.46
8 - 25 miles per mile	\$ 17.03	\$ 17.03	\$ 15.32	\$ 13.62
25 - 50 miles Fixed	\$ 139.62	\$ 139.62	\$ 125.66	\$ 111.70
25 - 50 miles per mile	\$ 17.41	\$ 17.41	\$ 15.69	\$ 13.93
Over 50 miles Fixed	\$ 153.59	\$ 153.59	\$ 138.23	\$ 122.87
Over 50 miles per mile	\$ 18.02	\$ 18.02	\$ 16.22	\$ 14.41

**DS1 Fanout Rates**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
DS3 channel between a Customer location and network node	<b>Standard DS3 Rate Schedule</b>				
DS3/1 MUX @ node	\$ 200.00	\$ 245.00	\$ 240.00	\$ 235.00	\$ 225.00
Optional DS3/1 MUX @ Client Location	\$ 200.00	\$ 245.00	\$ 240.00	\$ 235.00	\$ 225.00
DS1 Fanout Channel	<b>Standard DS1 Rate Schedule</b>				

**DS1 High Capacity Service**

	Non-recurring	Recurring			
		Monthly	1 Yr.	3 Yr.	5 Yr.
28 DS1's between two Customer Locations	<b>Standard DS3 Rate Schedule</b>				
MUX's at both Customer locations	\$ 400.00	\$ 490.00	\$ 480.00	\$ 470.00	\$ 450.00

Issued: August 11, 2015

Effective: August 11, 2015

Red Rock Telecommunications, LLC  
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**APPROVED FOR FILING**  
**DECISION NO. 74690**

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**SECTION 4. ENHANCED LOCAL TELEPHONE SERVICE**

**4.1 Local Telephone Service Description**

All local telephone services are offered independently of one another.

Local Telephone Service provides a Customer with connectivity into the Company's switching network that enables the Customer to:

- access the Company's local, intraLATA and interLATA, calling services as described in this tariff.
- receive calls from other stations on the public switched telephone network.
- access interstate and international calling services provided by certified common carriers.
- access the Company's operators.
- access toll-free telecommunications services such as 800/888 dialing and 9-1-1 emergency services.

Local Telephone Service calls originated to caller-paid information services (e.g. NPA 900, NXX 976, etc.) are prohibited. Calls originating to those services will be blocked by the Company's network.

**4.2 Service Connection Charge**

A nonrecurring service connection charge shall be applied to the following activities:

- Installation of new service
- Transfer of existing services to a different location
- Changes in class of service
- Restoration of services due to suspension or termination of nonpayment

Business Line/ Nonrecurring	\$60.00
PIC Change - InterLATA	\$5.00
PIC Change - InterLATA	\$5.00

**4.3 Monthly Network Access Line Rates**

Network Access Lines provide the connectivity to the Company's switching network from the Customer's premise. This facility allows access to the Company's network for placing and receiving calls.

Monthly Network Access Rate per line:

Monthly Recurring Per Line	\$40.00
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**4.4 Local Telephone Service Feature Elements and Rates**

Local Telephone Service Feature Elements consist of ancillary services offered over the Customers Network Access Line. These business services are independent of one another unless stated.

Installation for all Features \$25.00

**4.4.1 Calling Number Display**

This feature provides the Customer with the calling number and name, displayed on a Customer provided display unit, of the incoming call. Likewise, this feature allows the Customer the ability to block the calling number from displaying or disabling the Calling Number Display with the use of a deactivation code.

Monthly Recurring Per Line \$8.00

**4.4.2 Automatic Call Back**

After entering the activation code, the Company will automatically place a call to the calling number of the last incoming call.

Monthly Recurring Per Line \$0.75

**4.4.3 Automatic Recall**

After entering the activation code, the Customer hears an announcement identifying the calling number of the last incoming call.

Monthly Recurring Per Line \$0.75

**4.4.4 Call Forwarding**

After entering the activation code, the Customer enters the forward to number, and until the feature is deactivated, all calls will be terminated at the forward to number.

Monthly Recurring Per Line \$6.00

**4.4.5 Call Rejection**

This feature enables the Customer to program a list of up to 30 calling numbers from which calls are to be rejected or blocked. Incoming calls that are on the list are routed to an announcement informing the caller that the call has been blocked.

Monthly Recurring Per Line \$8.00

**4.4.6 Call Waiting**

This feature enables the Customer to be alerted with a tone (if off-hook) at the arrival of incoming calls.

Monthly Recurring Per Line \$7.50

**4.4.7 Distinctive Ring / Call Waiting**

This feature enables the Customer to be alerted with a distinctive ring or call waiting tones at the arrival of incoming calls from a list of calling numbers the Customer has specified.

Monthly Recurring Per Line \$4.00

**4.4.8 Voice Mail**

This feature enables the Customer to utilize automatic voice mail features of the Company. Upon activation, the Customers calls that are not answered will be automatically transferred to voice mail where the calling party will be given the option of leaving a voice message for the Customer.

Monthly Recurring Per Line \$18.50

**4.4.9 Never Busy Fax**

This feature is an advanced service offering of Voice Mail designed exclusively for fax machines. Upon activation, the Customers fax calls that are not answered will be automatically transferred to a voice mailbox where the fax call will be answered and the fax message will be stored. The system will poll the fax station at regular intervals and upon call completion the stored fax will be delivered.

Monthly Recurring Per Line \$18.50

**4.4.10 Three Way Calling**

This feature enables the Customer to conference two distinctive parties together during the same calling session.

Monthly Recurring Per Line \$4.00

**4.4.11 Telemetry Service**

This feature provides a "no-ring" connection to Customer lines.

Monthly Recurring Per Line \$18.50

**4.4.12 Call Waiting Calling Number Display**

This feature displays the calling name and number associated with the call-waiting call immediately when the call arrives at the Customer's Line.

Monthly Recurring Per Line \$8.00

**4.4.13 Hunting**

This feature provides for a group of numbers to be searched for an available line when a call is placed to the group.

Monthly Recurring Per Line \$8.00

**4.5 DS-1 Based Network Access**

DS-1 Based Network Access provides DS-1 connectivity from a Customer's Private Branch Exchange, Key System, or other device into the Company's switching network. This service is provided as a DS-1 connection or as multiple DSO's.

This service may be provisioned by the Customer for outgoing calling, or for both outgoing and incoming calling. If the Customer selects incoming functionality, direct inward dial numbers must be purchased from the Company.

DS-1 Based Network Access Customers are required to purchase a significant number of lines so that the group utilization is no greater than 95%. The call completion rate is based on the Customer's busiest hour measured during the normal billing cycle. Once the service has been established the Company may require the Customer to purchase additional facilities to satisfy the requirements listed above.

A Customer can request that their DS-1 Based Network Access be provisioned as a PRI. This line is an ISDN function whereby advanced features are provided to the Customer's premise equipment. Direct inward dial numbers must be purchased from the Company to utilize this service.

**DS1 Based Access Rates**

	<b>Non-recurring</b>	<b>Recurring Monthly</b>
DOD 24 Member Trunk	\$ 1,500.00	\$ 1,440.00
DID/DOD 24 Member Trunk	\$ 1,500.00	\$ 1,440.00
PRI with 23 members	\$ 2,300.00	\$ 1,900.00
DID Numbers per 100	\$ 100.00	\$ 20.00

**4.6 Toll Services**

The two types of business toll calls within the state of Arizona include intraLATA, and interLATA calls. IntraLATA toll calls terminate in the same LATA but outside the originating party's local calling zone. InterLATA toll calls within the state of Arizona terminate in a different LATA than the originating party, while staying within the state boundaries of Arizona.

	<b>Monthly Access Rate</b>	<b>Per Minute</b>
IntraLATA Toll Rates	\$0	\$0.12
InterLATA Toll Rates	\$0	\$0.12

**4.6.1 Billing Records**

Customer Request for a soft copy of toll call activity presently provided in print image:

Monthly Recurring  
 Per Account, Per Month \$75.00

**4.7 Operator Services**

Operator Handling services are provided to Customers and Users of the Company's local and Toll calling services and to users accessing prescribed public payphones. Operator assistance may be utilized in completing either local or toll calls. In addition to charges which would otherwise apply pursuant to other Sections of this Tariff, each operator call will be assessed a charge(s) as set forth within.

Person-to-Person - Calls completed with the assistance of a Company operator to a particular person, station, department, or PBX extension specified by the calling party. Charges may be billed to the Customer's commercial credit card and/or LEC calling card, calling station, called station, or a designated third-party station.

Operator Dialed Charge - Calls competed with the use of the operator dialing the call. The Customer dials '0' and then requests the operator to dial the called station, even though the capability to do it resides within the Customer.

Billed to LEC Calling Card - Refers to calls that are dialed by the Customer in accordance with standard dialing instructions and billed to a LEC calling Card.

<b>Rates</b>	<b>per call</b>
Person-to-Person	\$ 3.70
Operator Dialed Charge	\$ 1.25
Billed to LEC Calling Card	\$ 0.45

**4.8 Directory Assistance**

Customers and Users of the Company's local and toll calling services may obtain assistance in determining telephone numbers within Arizona by calling the Directory Assistance operator.

Directory Assistance will provide one number per call and completion services will be offered for the number queried. Requests for information other than telephone numbers will be charged the same rate as shown for the applicable request for telephone numbers.

In such cases where a calling card or commercial calling card or third number billing is utilized, call charges and Directory Assistance charges will both apply to the call, per specifications in this tariff.

<b>Element</b>	<b>Unit</b>	<b>Rate per unit</b>
Directory Assistance	per call	\$ 1.99
Call Completion	per call	\$ 3.00

**4.9 Busy Line Verify and Busy Line Interrupt Service**

Upon request of a Customer or user the Company will verify a busy condition on a called line.

Upon request the operator will determine if the line is clear or in use and report to the calling party. Upon request the operator will interrupt the call on the called line if the calling party indicates an emergency.

No charge will apply when the calling party advises that the call is to or from an official public emergency agency.

Busy Line Verification and Interrupt Service is furnished where and to the extent that facilities permit. The Customer shall identify and save the Company harmless against all claims that may arise from either party to the interrupted call or any person.

**Rates**

Busy Line Verification charge, each	\$1.50
Busy Line Interrupt charge, each	\$1.50

**4.10 Mountain Centrex Service**

Mountain Centrex Service (MountCen) provides Customers with access to local and toll communications services. These services are supplied by using Company facilities and resold facilities. MountCen station lines may be employed for intercommunication calling among affiliated users, for access to advanced features, for originating, receiving and access to toll services.

Touchtone telephones are to be supplied by Customer. Toll service selection is the responsibility of the Customer, and selection must be from among the interexchange carriers, which are interconnected with the Company's system.

MountCen station lines are only available in digital format. Both blocking and nonblocking formats are available. Station lines provide intercommunications service on a 4-digit basis in addition to direct access to and from the exchange network. Station lines are assigned a 10-digit telephone number and are provided with DID and Automatic Identification of Outward Dialing. Attendant station lines facilitate direct incoming exchange calls to the Customer's main listed number, and also enable station line users to access attendant.

MountCen service allows Customers with access to advanced features available on the Company's network.

**MountCen Rates**

MountCen Station Lines Actual Rates	Monthly Recurring Charges				
	1 Yr.	2 Yr.	3 Yr.	4 Yr.	5 Yr.
Non-Blocking Rates					
1 - 48	\$ 95.00	\$ 93.00	\$ 91.00	\$ 89.00	\$ 87.00
49 - 499	\$ 38.00	\$ 37.00	\$ 36.00	\$ 35.00	\$ 34.00
Blocking Rates					
1 - 48	\$ 49.00	\$ 48.00	\$ 46.50	\$ 44.00	\$ 42.50
49 - 499	\$ 35.00	\$ 33.00	\$ 31.00	\$ 29.00	\$ 27.00
Over 500 Lines	\$ 35.00	\$ 33.00	\$ 31.00	\$ 29.00	\$ 27.00

All MountCen features are to be provided on an Individual Case basis.

**4.11 9-1-1 Emergency Service Overview**

The Company will provide 9-1-1 service for the purpose of voice reporting emergencies to the proper governmental agency. The routing of said 9-1-1 calls will be based on entire Central Office Codes and will as a whole be routed to distinct Public Safety Answering Points (PSAP). Routing to distinct PSAPs will automatically be done from any access line that is usable for local exchange traffic. All 9-1-1 calls originating from Company's network shall be completed without a charge being assessed. 9-1-1 service is one-way in nature, from Customer to 9-1-1 PSAP. The Company will incur no liability to any person who dials or attempts to dial the digits '9-1-1' or to any person who may be affected by the dialing of said digits. The Company's entire liability arising out of the provision of said service under this tariff shall be limited as set forth in this Section and in Section 2.5.

**4.12 Maintenance Visit Charge**

The maintenance visit charge will be charged to the Customer when Company personnel or approved contractors are deployed to a Customer premise and the trouble incurred by the Customer is found to be in the Customer Provided Equipment. The time incurred by deployed personnel, commencing upon arrival and completing upon departure, will be charged the appropriate charges further described in this section. If at any time the trouble is determined to be in the Company provided equipment or facilities the charges incurred by Customer will be credited to their account.

The minimum charge per visit is one-half hour. For the purposes of this Section:

Basic time (M-F, 3am-5pm)	\$75 / hour
Overtime (M-F, 5pm-8am)	\$100 / hour
Premium (Holidays, Weekends)	\$150 / hour

**4.13 FOREIGN EXCHANGE SERVICE**

Foreign Exchange Service (FX) is a product for the delivery of dial tone from an exchange (or central Office) other than the exchange (or central office) from which the customer would normally be served.

The Customer's exchange, where the service is to terminate, (i.e., the central office which serves the customer's premise) can be, but does not have to be contiguous to the Foreign Exchange office. The exchange may be located geographically anywhere, as long as the exchange is served by Red Rock Telecommunications, LLC.

Foreign Exchange Service where the NXX is outside the rate center may not be accurately displayed or routed for purposes of 911 calls. All customers will therefore be required to have local telephone service provided by either the Company, or any other certified local exchange provider, to enable 911 calls to be routed over the associated local lines or trunks.

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RATE PER T1		
CITY	INSTALLATION	MONTHLY RECURRING CHARGE
Yuma	\$1200.00	\$1,337.64
Flagstaff	\$1,200.00	1,283.57
Prescott	\$1,200.00	1,152.02
Cottonwood	\$1,200.00	1,174.28
Casa Grande	\$1,200.00	1,101.67
Payson	\$1,200.00	1,157.01
Sedona	\$1,200.00	1,181.93
Wickenburg	\$1,200.00	1,153.61

**4.14 LOCAL NUMBER PORTABILITY**

Provides for full local number portability allowing customers to keep existing telephone numbers when transferring service between carriers.

Non-recurring – \$5.00 per number ported  
Recurring – \$ .50 per access line (ported or non-ported)

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**SECTION 5. FRAME RELAY SERVICE**

**5.1 Frame Relay Service Description**

Frame Relay Service is a packet-oriented data communications service consisting of a data switching platform which provides the Customer with the capability to connect locations utilizing permanent virtual circuits (PVC) for the purposes of data transmission at speeds of up to 44.736 Mbps. Service is available 7 days a week, 24 hours a day.

Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between the Customer's locations by the way of assigned virtual connections. Each frame is passed to the Frame Relay Network with an address that specifies the virtual connection. The network processor reads addresses, and the frames are relayed to the pre-assigned destination.

The Customer may access the Company's frame relay network via a User to Network Interface (UNI). The Customer is connected to the UNI in one of the following ways:

**Digital Private Line Access**

Access to the frame relay switch is provided via a private line provided by a local exchange carrier on digital facilities.

**Frame relay service consists of PVC and CIR Charges**

PVCs are logical circuits, which define a dedicated virtual circuit between two points. PVCs can burst up to the smallest port size of their logical end points. Duplex PVCs (multiple PVCs originating and terminating on the same port) are equal in insuring throughput. The following classifications are the basis of PVC rates:

**Local exchange carrier fast-packet network facility**

Access to the frame relay switch is via a carrier provided fast packet network facility, when the carrier's network is connected via a Network to Network Interface (NNI).

**5.2 Standard Frame Relay Elements and Rates**

Default CIR = 50% of the port size

Maximum CIR = 100% of the port size

Minimum CIR = 0% of the port size

Provisioning under Standard tariff provides for best effort packet delivery.

Installation Charges may apply for each PVC ordered. Likewise change orders for Port Changes, PVC/CIR, and Expedites will apply as requested by the Customer.

**Fractional**

Port Size	1St PVC Price	2 - 5 PVC(+)	6 - 19 PVC(+)	20 + PVC(+)
64	\$25.00	\$1.50	\$0.50	\$0.25
128	\$50.00	\$3.00	\$1.00	\$0.25
256	\$100.00	\$6.00	\$2.00	\$0.25
384	\$150.00	\$9.00	\$3.00	\$0.25
512	\$200.00	\$12.00	\$4.00	\$0.25
768	\$300.00	\$18.00	\$6.00	\$0.25

**T-1**

Port Size	1st PVC Price	2 - 5 PVC(+)	6 - 19 PVC(+)	20 + PVC(+)
T-1	\$250.00	\$35.00	\$15.00	\$0.25

Port size above T-1 on an individual case basis.

**5.3 Premium Frame Relay Elements and Rates**

Default CIR per PVC - The default CIR is equal to PVC capacity.

Minimum CIR per PVC - Customer may request the minimum CIR greater than or equal to Ok. The rate for such a change will be based on 8k increments.

Maximum CIR per PVC - The maximum CIR per PVC is determined to be 100% of the PVC capacity.

Premium provisioning ensures packet delivery at committed rates. PVC rates apply for each direction of transmission.

Installation Charges may apply for each PVC ordered. Likewise change orders for Port Changes, PVC/CIR, and Expedites will apply as requested by the Customer.

**PVC Rates**

Port Speed	Recurring	Non-recurring
Ok (CIR)	\$ 25.00	\$ 350.00
Per 8k increment	\$2.50	\$1.00
DS1 Port fee	\$100.00	-
Fractional DS1 / DSO	\$ 10.00	-
Expedite Order		\$ 500.00
Change Order		\$75.00

## SECTION 6. DATA SERVICES

### 6.1 Carrier Hosted Dial-Up (CHD)

Data service utilizing carrier owned and managed modem banks and carrier data services to provide a virtual dial-up access point-of-presence to public or private networks.

Carrier Hosted Dial-up Service consists of modem terminations in VPOP groupings combined with one or more packet data access circuits. Access may be Frame Relay, ATM, Dedicated Private Line, or Ethernet.

#### CHD RATES

SERVICE DESCRIPTION	INSTALLATION	12 MONTH
CHD PRI Span	\$600.00	\$1,080.00
CHD Per Port	25.00	45.00
CHD PRI Span - Rural	720.00	1,440.00
CHD Per Port - Rural	30.00	60.00

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**SECTION 7. DIRECTORY LISTINGS**

**7.1 General Regulations**

The Company shall provide for a single directory listing, termed the primary listing, in the telephone directory published by the dominant exchange service provider in the customer's exchange areas of the Station number which is designated as the Customer's main billing number. Directory listings of additional company station numbers, other than the customer's main billing number, associated with a customer's service will be provided for a monthly recurring charge per listing.

The Company reserves the right to limit the length of any listing in the directory by the use of abbreviations when, in its judgment, the clearness of the listing or the identification of the customer is not impaired thereby. Where more than one line is required to properly list the customer, no additional charge is made.

The Company may refuse a listing which is known not to constitute a legally authorized or adopted name, obscenities in the name, or any listing which, in the opinion of the Company, is likely to mislead or deceive calling persons as to the identity of the listed party, or is a contrived name used for advertising purposes or to secure a preferential position in the directory or is more elaborate than is reasonably necessary to identify the listed party. The Company, upon notification to the Customer, will withdraw any listing which is found to be in violation of its rules with respect thereto.

Each listing must be designated Government or Business to be placed in the appropriate section of the directory. In order to aid the user of the directory, and to avoid misleading or deceiving the calling party as to the identity of the listed party, only business listings may be placed in the Business Section. The Company, upon notification to the customer, will withdraw any listing which is found to be in violation of its rules with respect thereto.

In order for listings to appear in an upcoming directory, the Customer must furnish the listing to the Company in time to meet the directory publishing schedule.

**7.2 Descriptions**

Directory listings are provided in connection with each Customer service as specified herein.

Primary Listing: A primary listing contains the name of the Customer, or the name under which a business is regularly conducted, as well as the address and telephone number of the Customer. This listing is provided at no additional charge.

Additional Listings: In connection with business service, additional listings are available only in the names of Authorized Users of the Customer's service, as defined herein. Rates for additional listings are specified under 7.3, following.

Non-published Listings: Listings that are not printed in directories nor available from Directory Assistance.

A Non-published Telephone Service will be furnished, at the Customer's request providing for the omission or deletion of the Customer's telephone listing from the telephone directory and, in addition, the Customer's telephone listing will be omitted or deleted from the directory assistance records. Charges for Non-published Listings are specified under 7.3, following.

Non-listed Numbers: A Non-listed number will be furnished at the Customer's request, providing for the omission or deletion of the Customer's listing from the telephone directory. Such listings will be carried in

the Company's directory assistance and other records and will be given to any calling party. Charges for Non-listed Listings are specified under 7.3, following.

Foreign Listings: Where available, a listing in a telephone directory which is not in the Customer's immediate calling area. The Customer will be charged the rates specified in the tariff published by the specific exchange carrier providing the Foreign Listing.

Extra Line of Information: Extra Line information is informational listing material that the end user wants to provide to their customers. It is in addition to their listing-name, address, and telephone number-information. It is non-promotional in nature.

Cross Reference: This listing refers customers to another listing. A cross reference may not be used for advertising purposes. On a "SEE" cross reference, the telephone number and address does not print with the cross reference listing.

**7.3 Rates**

The following charges apply for directory listings specified in 7.2 preceding:

**RESIDENCE DIRECTORY LISTING RATES**

SERVICE	INSTALLATION	MONTHLY (Recurring)
Additional Listing	\$8.50	\$1.50
Non-Published Number	8.50	1.90
Non-Listed Number	8.50	1.50
Foreign Listing	8.50	1.50
Extra Line of Information	8.50	1.50

**BUSINESS DIRECTORY LISTING RATES**

SERVICE	INSTALLATION	MONTHLY (Recurring)
Additional Listing	\$22.00	\$3.00
Non-Published Number	22.00	1.80
Non-Listed Number	22.00	1.45
Cross Reference	22.00	3.00
Foreign Listing	22.00	3.00
Extra Line of Information	22.00	3.00

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## SECTION 8. ADVANCED COMMUNICATIONS NETWORKS

### 8.1 ATM CELL RELAY SERVICE

#### 8.1.1 General

##### A. Description

ATM Cell Relay Service (ATM CRS) is a connection-oriented communications service that uses Asynchronous Transfer Mode (ATM) technology. The service provides customers with high-speed, low-delay information transfer capacity, which supports applications that require near-real-time mixed media (data, video, image, voice) communications among multiple locations. ATM CRS supports transmission speeds of 1.544 Mbps, 45 Mbps and 155 Mbps.

ATM CRS requires the use of customer terminal equipment that functions as a multiplexer/router/hub or ATM switch. This terminal equipment must be purchased separately from the ATM CRS and must conform to industry standards. The terminal equipment accumulates customer traffic and puts it into a cell relay format suitable for transmission over the ATM CRS Network.

##### B. Service Elements

###### 1. Network Interface

Network interface is the point at which a customer's data transmissions first enters the network supporting ATM CRS. It is the point of interconnection between Company communication facilities and customer terminal equipment.

###### 2. Access Link (AL)

An ATM CRS Access Link provides access to the ATM CRS Network, connecting customer facilities at the network interface with a corresponding ATM CRS Cell Transfer element at ATM CRS Service Points.

###### 3. Port

ATM CRS ports are the physical entry points into the ATM CRS Network for compatible private line facilities, DS3 Service or DS1 Service. They are originating and terminating points for Virtual Path Connections and Virtual Channel Connections. Ports include the electronic equipment used in connecting these service elements to the ATM CRS Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 1.5 Mbps, 45 Mbps or 155 Mbps.

###### 4. Logical Connections

ATM CRS logical connections function as bidirectional Permanent Virtual Connections (PVCs). ATM CRS will support a point-to-point logical connection configuration between two ports. Logical Connections may be any of three service types: Peak Cell Rate Service, or Unspecified Bit Rate Service.

a) Virtual Channel Connections (VCC)

A VCC is a logical connection from one ATM CRS Port to another CRS Port within the ATM CRS Network.

VCCs are available as Peak Cell Rate Service at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements which include appropriate overheads. VCCs are also available as Unspecified Bit Rate Service.

b) Virtual Path Connections (VPC)

A VPC is a collection of VCCs routed together as one unit, for which the customer has the ability to manage the speeds of the individual VCCs within the customer-designated Cell Transfer element.

VPCs are available as Peak Cell Rate Service, at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements, which include appropriate overheads.

c) Logical connections are available at base speeds (e.g. 64 kbps, 1 Mbps, 1.544 Mbps, etc.) determined by the speed of the ATM CRS Port (1.5 Mbps, 45 Mbps or 155 Mbps). The customer selects a base speed for each VCC or VPC they purchase which includes appropriate overheads. The bandwidth for each VCC or VPC is determined by multiplying the base speed by the number of increments of that base speed selected by the customer.

Logical connections are available at the following incremental base speeds:

AVAILABLE BASE SPEEDS:

On a 1.544 Mbps Port:  
Increments of 64 kbps  
Increments of 1 Mbps

On a 45 Mbps Port:  
Increments of 64 kbps  
Increments of 1 Mbps  
Increments of 1.544 Mbps  
Increments of 40.7 Mbps

On a 155 Mbps Port:  
Increments of 64 kbps  
Increments of 1 Mbps  
Increments of 1.544 Mbps  
Increments of 1.787 Mbps  
Increments of 40.7 Mbps

A customer may select multiple logical connections of different service classes on an ATM CRS Port. The speed of a Peak Cell Rate Service logical connection may not exceed the maximum speed associated with its customer-selected incremental base speed, which includes appropriate overheads.

The logical connection of an Unspecified Bit rate Service may not exceed the maximum speed associated with its customer-selected incremental base speed, which includes appropriate overhead. The maximum subscription bandwidth allowed is limited by the number of increments of the base speed selected by the customer. For the 64 kbps service increment, the maximum subscription bandwidth allowed is 23 x 64 kbps, regardless of port speeds. For the 1 Mbps service increment, the maximum subscription bandwidths allowed are: 1 Mbps for the 1.544 Mbps port, 40 Mbps for the 45 Mbps port and 149 Mbps for the 155 Mbps port.

For peak Cell Rate Service, a single logical connection configuration is also available. A customer may choose a single 40.7 Mbps logical connection on a 45 Mbps port or a single 149 Mbps logical connection on a 155 Mbps port.

5. Service Types

ATM CRS logical connections are provided as Peak Cell Rate Service or Unspecified Bit Rate Service. The industry standard designation for Peak Cell Rate Service is Service Class A.

a) Peak Cell Rate Service (PCRS)

PCRS supports VCCs and VPCs carrying a constant flow of information (constant Bit Rate traffic). The Peak Cell Rate is the customer-selected upper limit for cell traffic on a logical connection, which includes appropriate overheads. When cells exceed the Peak Cell Rate for PCRS logical connections, the cells are discarded upon entry into the ATM CRS Network. The Peak Cell Rate of a PCRS logical connection must be less than the speed of the associated port.

b) Unspecified Bit Rate Service (UBRS)

UBRS is a best-effort service designed to support a connection carrying information at variable rates, over VCCs. The UBR Service does not provide traffic related service guarantees specifically, per-connection bandwidth, cell loss, cell transfer delay and cell delay variation. The Peak Cell Rate, which includes appropriate overheads, is the customer-selected, upper limit of cell traffic on a logical connection. The Peak Cell Rate specifies the highest cell rate that will be allowed on a connection, but not guaranteed. When cells exceed the Peak Cell Rate for UBRS logical connections, the cells are discarded upon entry into the ATM CRS Network. The Peak Cell Rate of a UBRS logical connection may equal, but not exceed the speed of the associated port.

Cell Transfer

The Cell Transfer service element transfers information between Network Interfaces connected to the ATM CRS network at speed(s) selected by the customer for VCCs or VPCs. The customer must designate whether the Cell Transfer for each logical connection is PCRS, SCRS or UBRS.

The total speed of Cell Transfer elements on a customer's ATM CRS configuration may not exceed the associated Cell Transfer port speed (1.544 Mbps, 45 Mbps or 155 Mbps).

**8.1.2 RATE ELEMENTS**

A. Access Link (AL)

A Private Line Transport Service with Clear Channel Capability, is used to provide access to an ATM CRS Network switch via a connection between customer facilities at the network interface and a Cell Transfer service element.

B. Cell Transfer

1. A "First" nonrecurring charge per port applies for the first logical connection (VCC or VPC) on an ATM CRS configuration. An "Each Additional" nonrecurring charge applies for each additional logical connection ordered on the same ATM CRS Port, installed at the same time (same due date) for the same customer of record as the first logical connection. A Cell Transfer fixed nonrecurring charge also applies per port, based on the port speed. A Cell Transfer fixed monthly rate applies, based on the port speed, for each ATM CRS connection to the network supporting ATM CRS. A variable, or incremental, monthly rate applies per the total bandwidth of all logical connections, based on the service type (PCRS, or UBRs) of the connections, the speed of the port and the number of 64 kbps, 1 Mbps, 1.544 Mbps, 40.7 Mbps or 149 Mbps increments of bandwidth, or fraction thereof, provided on the connections.
2. A nonrecurring charge applies for each subsequent order to add or to change logical connections on an existing ATM CRS configuration, in addition to the "First" and "Each Additional" nonrecurring charges for the logical connections in the subsequent order.
3. "First" nonrecurring charge applies for the first logical connection VCC on an LSS /LSS or LSS/ATM CRS configuration. "Each Additional" nonrecurring charge applies for each additional logical connection ordered on the same LSS/LSS or LSS/ATM CRS configuration, installed at the same time (same due date) for the same customer of record as the first logical connection. A nonrecurring charge applies for each subsequent order to add or to change logical connections on an existing LSS/LSS or LSS/ATM CRS configuration, in addition to the "First" and "Each Additional" nonrecurring charges for the logical connections in the subsequent order.

**8.1.3 RATES AND CHARGES**

A. Monthly

ATM CRS may be ordered as monthly once the initial requirement to order the service as a fixed period service rate plan has been satisfied.

1. Access Link Refer to DS1/DS3 Access Tariff
2. Cell Transfer

The recurring monthly rate charges will be discounted as follows:

12 Months -	5% Discount
36 Months -	8% Discount
Discount 60 Months -	12% Discount

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
First VCC	\$150.00	
Each additional VCC	50.00	
First VPC	150.00	
Each Additional VPC	50.00	
Subsequent VCC(s) or VPC order charge per order	160.00	

<b>Fixed Rate, Per Port</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1.544 Mbps	\$161.45	\$255.00
45 Mbps	161.45	418.00
155 Mbps	161.45	760.00

<b>Peak Cell Rate Service, per 64 kbps Increment of total bandwidth</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1.544 Mbps		\$255.00
45 Mbps		418.00
155 Mbps		760.00

<b>Peak Cell Rate Service, per 1 Mbps Increment of total bandwidth</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1.544 Mbps		\$28.50
45 Mbps		28.50
155 Mbps		28.50

<b>Peak Cell Rate Service, per 1 Mbps Increment of total bandwidth</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1.544 Mbps		\$28.50
45 Mbps		28.50
155 Mbps		28.50

Issued: August 11, 2015

Effective: August 11, 2015

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**APPROVED FOR FILING**  
**DECISION NO. 74690**

Peak Cell Rate Service, per 1.54 Mbps Increment of total bandwidth	NONRECURRING CHARGE	MONTHLY RATE
45 Mbps		\$38.00
155 Mbps		38.00

Peak Cell Rate Service, per 40.7 Mbps Increment of total bandwidth	NONRECURRING CHARGE	MONTHLY RATE
45 Mbps		\$997.50
155 Mbps		997.50

Peak Cell Rate Service, per 149 Mbps Increment of total bandwidth	NONRECURRING CHARGE	MONTHLY RATE
155 Mbps		\$3,610.00

Unspecified Bit Rate Service, per 64 kbps Increment of total bandwidth	NONRECURRING CHARGE	MONTHLY RATE
1.544 Mbps		\$0.76
45 Mbps		0.76
155 Mbps		0.76

Unspecified Bit Rate Service, per 1 Mbps Increment of total bandwidth	NONRECURRING CHARGE	MONTHLY RATE
1.544 Mbps		\$11.40
45 Mbps		11.40
155 Mbps		11.40