NEW APPLICATION

ride the light

Qwest

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May 7, 2001

T-01051B-01-0391

Honorable William A. Mundell - Chairman
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

Dear Chairman Mundell:

The attached Access Service Tariff pages are being filed pursuant to Decision No. 63487 and Sections 3(b) and 3(e) of the Price Cap Plan. These pages propose a new rate structure in connection with Common Channel Signaling Access Capability (CCSAC). This is an access service used by interexchange carriers which enables them to interface with Qwest's SS7 network. The FCC has approved these new elements in connection with Qwest's interstate tariff and this filing will simply align the interstate and intrastate rate structures for CCSAC service. This should simplify the administration of CCSAC service for both Qwest and its interexchange carrier customers. The proposed rate structure is revenue neutral and results in no change to the total revenues received by Qwest under the Price Cap plan approved in Decision No. 63487.

As part of this restructure, the following five new rate elements are being proposed:

- ISUP Signal Formulation
- ISUP Signal Transport
- ISUP Signal Switching
- TCAP Signal Transport
- TCAP Signal Switching

The Integrated Services Digital Network User Part (ISUP) elements are used for establishing and closing transmission paths for voice and data calls over the public switched network. The Transactions Capabilities Application Part (TCAP) elements are used to carry information between signaling points for call related database services. In order to offset the revenues generated by these new elements, the per minute rates are being reduced for both originating and terminating carrier common line (CCL), as well as for originating and terminating local end office switching.

These pages have been prepared with an effective date of June 6, 2001 and we respectfully request the Commission's approval of this filing. Please contact either me, or Reed Peterson on 602-630-8221, if you have any questions concerning this filing.

Sincerely,

MAUREEN ARNOLD

Attachment

cc: Commissioner Jim Irvin
Commissioner Marc Spitzer
Ms. Deborah R. Scott, Director – Utilities Division
Legal Division - Arizona Corporation Commission

1. APPLICATION AND REFERENCE

1.2 TABLE OF CONTENTS (Cont'd)

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

f	-	Frequency
F.C.C.	-	Federal Communications Commission
FGA	-	Feature Group A
FGB	-	Feature Group B
FGC	-	Feature Group C
FGD	-	Feature Group D
FID	-	Field Identifier
FX	-	Foreign Exchange
H	-	Historical
Hz	-	Hertz
IAM	-	Initial Address Message
IC	-	Interexchange Carrier or Interconnection Charge
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
i.e.	-	That is
IG	-	Interface Group
Inc.	-	Incorporated
ISDN	-	Integrated Services Digital Network
ISUP	-	Integrated Services Digital Network User Part (N)
kbps	-	Kilobits per second
kHz	-	Kilohertz
LATA	-	Local Access and Transport Area
LOF	-	Letter on File
LS	-	Local Switching
Ma	-	Milliamperes
Mbps	-	Megabits per second
MECAB	-	Multiple Exchange Carrier Access Billing
MECOD	-	Multiple Exchange Carrier Ordering and Design
MF	-	Multifrequency
MFJ	-	Modification of Final Judgment
MHz	-	Megahertz
M. Min	-	Measured Minutes
M. Mes	-	Measured Messages
MOU	-	Minutes of Use
MPTS	-	Multiple POTs Tandem Sectorization
MRC	-	Monthly Recurring Charge
MST	-	Manual Scheduled Testing
MTL	-	Maximum Termination Liability
MTS	-	Message Telecommunications Service(s)
MUX	-	Multiplexing

1. APPLICATION AND REFERENCE

1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

S.	-	South
SCP	-	Service Control Point
SF	-	Single Frequency
SMS/800	-	Service Management System/800
SP	-	Signal Point
SPOI	-	Signaling Point of Interface
SRL	-	Singing Return Loss
SSN	-	Switched Service Network
SSP	-	Service Switching Point
SS7	-	Signaling System 7
STP	-	Signal Transfer Point
SWC	-	Serving Wire Center
TCAP	-	Transaction Capabilities Application Part (N)
TES	-	Telephone Exchange Service(s)
TLP	-	Transmission Level Point
TS	-	Tandem Switching
TSPS	-	Traffic Service Position System
TST	-	Tandem-Switched Transport
TT	-	Tandem Transmission
U.S.	-	United States
USOC	-	Uniform Service Order Code
USWC	-	U S WEST Communications
VG	-	Voice Grade
V & H	-	Vertical & Horizontal
W.	-	West
WATS	-	Wide Area Telecommunications Services(s)
WSO	-	WATS Serving Office

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Impedance Balance

The method of expressing Echo Return Loss and Singing Return Loss at a four-wire interface whereby the gains and/or loss of the four-wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise

Any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis (ICB)

A condition in which the terms and conditions, if applicable, rates and charges for an offering under the provisions of this Tariff are developed based on the circumstances in each case.

Initial Address Message (IAM)

A SS7 signaling message that contains the address and routing information required to establish a point-to-point telephone connection.

Inserted Connection Loss (ICL)

The 1004 Hz power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

Integrated Service Digital Network User Part (ISUP) (N)

A protocol that provides the mechanism for establishing the connections from the originating exchange to the destination exchange, without using the bearer circuit itself. (N)

2. GENERAL REGULATIONS

2.6 DEFINITIONS (Cont'd)

Tandem-Switched Transport (TST)

The transport between an access tandem and end offices that subtend the access tandem that utilizes tandem switching functions. Tandem-Switched Transport consists of circuits used in common by multiple customers from the tandem to an end office.

Terminating Direction

The use of Access Service for the completion of calls from a customer's premises to an end user's premises.

Traffic Type

One of six Switched Access capacity types, i.e., Originating, Terminating, Directory Assistance, CCC Originating, CCC Terminating and *SWITCHNET 56* Service. See 6.1.1, following, for application.

Transaction Capabilities Application Part (TCAP) (N)

The design of non-circuit related messages. TCAP protocol provides a means for reliable transfer of information from one application at a switch location to another application within another network entity. (N)

Transmission Measuring (105 Type) Test Line/Responder

An arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

An electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path comprises physical or derived channels consisting of any form or configuration of facilities typically used in the telecommunications industry.

Trunk

A communications path connecting two switching systems in a network used in the establishment of an end-to-end connection.

3. CARRIER COMMON LINE ACCESS SERVICE

3.7 RATE TERMS AND CONDITIONS (Cont'd)

3.7.4 PERCENT INTERSTATE USE (PIU)

When the customer reports interstate and intrastate use of in-service Switched Access Service, Carrier Common Line Access rates will be billed only to intrastate Switched Access Service access minutes based on the data reported by the customer as set forth in 2.3.10, preceding, (Jurisdictional Reports), except where the Company is billing according to actuals by jurisdiction. Intrastate Switched Access Service access minutes will, after adjustment as set forth in 3.6.4, preceding (Resale), when necessary, be used to determine Carrier Common Line Access rates as set forth in 3.7.5, following.

3.7.5 DETERMINATION OF RATES

After the adjustments as set forth in 3.6.4 and 3.7.4, preceding, have been applied, when necessary, to Switched Access Service access minutes, rates for the involved customer account will be determined as follows:

A. Carrier Common Line Access rates shall not be reduced as set forth in 3.6.1, preceding, unless Switched Access rates, as set forth in 6.8, following, are applied to the customer's Switched Access Services.

B. The terminating access per minute rate applies to all terminating access minutes of use.

C. The originating access per minute rate applies to all originating access minutes of use.

3.8 RATES

	RATE PER ACCESS MINUTE
• Originating	$0.008547 (R)
• Terminating	0.019374 (R)

6. SWITCHED ACCESS SERVICE

6.2 PROVISION AND DESCRIPTION OF SWITCHED ACCESS SERVICE (Cont'd)

6.2.4 FEATURE GROUP D (FGD)

A. Description

1. FGD is provided at Company designated end office switches whether routed directly to an end office or via Company designated electronic access tandem switches.

2. FGD provides a trunkside termination through the use of end office or access tandem switch trunk equipment. Wink-start, start-pulsing and answer-supervisory signaling are sent by the terminating office. Disconnect-supervisory signaling is sent from the originating or terminating office. When FGD uses SS7 out of band signaling, no signaling will be done via the message channel.

3. When Feature Group D service is directly routed to an end office, the Switched Transport configuration is composed of an Entrance Facility and a DTT facility to an end office. When Feature Group D is switched through an access tandem, the Switched Transport configuration is composed of an Entrance Facility, a DTT facility between the SWC and the access tandem and TST from the access tandem to the end offices subtending the access tandem.

4. FGD switching is provided with multifrequency address signaling or SS7 Out of Band Signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided. With SS7 Out of Band Signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals is provided by the Company equipment to the customer's designated premises via CCSAC links. SS7 Out of Band Signaling requires the customer to order the SS7 Out of Band Signaling optional feature, as set forth in 6.3, following, and CCSAC Service as set forth Section 15, following. (T) (T)

6. SWITCHED ACCESS SERVICE

6.8 RATES AND CHARGES (Cont'd)

6.8.2 LOCAL SWITCHING

A. Local End Office Switching

	RATE PER ACCESS MINUTE
• Originating	$0.014936 (R)
• Terminating	0.014936 (R)
• End Office Shared Port	0.001300

	USOC	MONTHLY RATE
• End Office Dedicated Trunk Port, per trunk	P4TWX	$9.01

	RATE
• 800 DB Access Service	
- 800 CIC, per call	$0.003500
- Vertical Features	
- POTS Translation Charge, per call	0.003665
- Call Handling and Destination Feature Charge, per query	0.000694
• 900 Access Service Customer Identification Charge, per call	0.000994

	USOC	NONRECURRING CHARGE
- Per first NXX, per End Office/Tandem	N9E	$103.56
- Per each subsequent NXX, per End Office/Tandem	N9G1X	24.30
- Expanded 900 Option per End Office/ Tandem with NXX Activity (available with FGD)	N98AX	890.76
- Expanded 900 Option per End Office/ Tandem without NXX Activity (available with FGD)	N98BX	968.22

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

Issued: 5-7-01

Effective: 6-6-01

15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.1 GENERAL DESCRIPTION (T)

Common Channel Signaling Access Capability (CCSAC) allows a customer to connect with the Company's SS7 network. CCSAC is used in conjunction with other SS7 based features and services. CCSAC provides the means for transmitting SS7 out of band signaling information via Switched Access CCS Links between the customer's Signaling Point of Interface (SPOI) and the Company's Signal Transfer Point (STP). The STP provides translations and routing functions for SS7 signaling messages received from the Company's network signaling points and the SS7 networks of other entities. There are two types of signaling messages. ISDN User Part (ISUP) messages are used for call set-up (establishing and closing transmission paths for voice and data calls over the public switched network). Transaction Capabilities Application Part (TCAP) messages are used to carry information between signaling points for call related database services. CCSAC acts as a platform for the following applications. (C)

The customer's SPOI and the Company's STP wire center must be located within the same LATA.

A. Call Set-Up (N)

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service. Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated FGD trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's switched access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

B. Foreign Database Queries

This service provides the customer the ability to query foreign databases (databases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and the foreign database. CCSAC Service as set forth in this section is required to provide this capability. (N)

(M)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.2 SERVICE DESCRIPTION (M)

15.2.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (CCSAC)

CCSAC provides access to the Company's CCSN. CCSAC consists of three network components: 1) STP Access Connection available in two options 2) STP Link and 3) STP PORT. CCSAC transmission specifications, diversity requirements and testing parameters are set forth in Technical Reference PUB GR-905-CORE, GR-954-CORE and U S WEST Communications Technical Reference PUB 77342. Diversity will be provided as mutually agreed upon by the Company and the customer based upon availability from the customer's STP, SP or SSP location to the Company's STP. If applicable, Special Construction terms, conditions and charges will apply. CCSAC interconnection is available only in suitably equipped Company STP locations. (T)

CCSAC network interface specifications between the Company's STP location and the customer's STP location supporting Integrated Services Digital Network (ISDN) signaling are described in Technical Reference PUB GR-905-CORE. (T) (T-M)

A. STP Access Connection

The STP Access Connection provides a digital network control signaling path from the customer's SPOI to the Company's STP wire center. The STP Access Connection is provided via two network options as described following:

1. The STP Access Connection Option A provides a 1.544 Mbps dedicated facility for network control signaling data from the customer's SPOI to the Company's STP wire center. The STP Access Connection Option A will be utilized exclusively for interconnection between the customer's CCS network and the Company's CCSN for the transmission of network control signaling data only.

2. The STP Access Connection Option B is a dedicated DS0A transmission channel riding a Company provisioned and controlled 1.544 Mbps facility from the customer's SPOI to the Company's STP wire center. The 1.544 Mbps facility used to transport STP Access Connection Option B may contain other network control signaling channels as determined by the Company.

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.2 SERVICE DESCRIPTION (M)
15.2.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (CCSAC) (Cont'd)

B. STP Link

The STP Link is the digital signaling transmission channel which rides the STP Access Connection and interconnects to the STP PORT. The signaling data is in the DS0A format (i.e., 56 kbps of CCS7 signaling data and 8 kbps of control/supervisory data).

C. STP Port

The STP Port is the POT to the signal switching capability of the STP. The STP Port is dedicated to the customer. Each STP Port requires a STP Link. (M)

15.3 RATE CATEGORIES

15.3.1 CCSAC RATE CATEGORIES

A. Nonrecurring Charges (N)

The STP Access Connection Option A nonrecurring charge is on a per connection basis. Nonrecurring charges are not applicable to STP Access Connection Option B.

A STP Link must be ordered for each STP Port. The nonrecurring charge for the STP Link/STP Port is on a per link, per port basis. The quantity of STP Link/STP Port (s) per STP Access Connection option is mutually agreed upon by the Company and the customer.

Any change in CCSAC Service, except a change in jurisdiction, will be treated as a discontinuance of the existing service and an installation of a new service. Minimum period requirements are as set forth in 5.2.5, preceding. (T) (T)

B. Monthly Rates (N)

The STP Access Connection is a Switched Transport monthly rated Switched Access Service and is not subject to the rate categories as set forth in 6.1.2, preceding. The monthly rate for STP Access Connection(s) is by STP Band. The mileage measurement portion of the STP Band will be calculated on an airline mile basis, using the V & H coordinates method, between the customer premises SWC and the Company STP SWC. The STP Access Connection rate category is inclusive of the STP Band and applicable mileage measurement. (T) (T)

The STP Port is a monthly rated Switched Transport Switched Access Service and is not subject to the rate categories as set forth in 6.1.2, preceding.

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.3 RATE CATEGORIES
15.3.1 CCSAC RATE CATEGORIES (Cont'd)

C. Message Charges (N)

Message charges, as set forth in 15.8, following, are assessed based on the type of message protocol, ISUP or TCAP. ISUP messages are associated with call set-up, while TCAP messages are used to query call related databases. ISUP message charges are assessed per call set-up request and TCAP message charges are assessed per data request.

Message charges do not apply for TCAP messages switched by the regional STPs to the Company provided 800 Data Base, LIDB or LNP Data Base. Query charges are assessed in lieu of message charges. Query charges for 800 Data Base are assessed as set forth in 6.8, preceding. When TCAP messages are destined for a foreign database, including a non-company provided LNP Data Base, message charges are assessed in lieu of query charges.

Message charges are assessed in the following manner.

1. Signal Formulation

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

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

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

3. Signal Switching

An ISUP Signal Switching charge is assessed per call set-up request that is switched at the Company STP.

A TCAP Signal Switching charge is assessed for each data request that is switched by the Company STP and destined for a foreign network or database. (N)

(M)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.4 REPORT REQUIREMENTS (M)

15.4.1 JURISDICTION

When a customer orders CCSAC, the customer shall state in its order the projected interstate percentage for the STP Access Connection and the STP Link/STP Port in a whole number (a number of 0 through 100). The Company will designate the number obtained by subtracting the projected interstate percentage furnished by the customer from 100 as the projected intrastate percentage of use. The projected interstate percentages will be used by the Company to apportion the message, monthly and nonrecurring charges (C)
associated with the STP Access Connection and STP Link/STP Port between (C)
interstate and intrastate until a subsequent order is received. The STP Access Connection and STP Link/STP Port jurisdiction may be changed by service order without charge as described in 6.7.1.C.3., preceding. A jurisdictional report as described in 2.3.10, preceding, will not be required.

15.4.2 CCSAC NETWORK MANAGEMENT (T)

The customer shall provide semiannually a CCSAC Network Management Report. The CCSAC Network Management Report requirements are described in U S WEST Technical Reference PUB 77342. The Company will use the report information in its own effort to further project CCSN facility requirements.

15.5 ORDERING OPTIONS AND CONDITIONS

15.5.1 CCSAC ORDERING REQUIREMENTS

When a customer orders CCSAC, the customer must specify the customer's STP premises, the number of STP Access Connection(s), STP Link(s) and STP Port(s) required between the customer's SPOI and the Company's STP location, per access order. The customer must also provide the Company the projected percent of interstate use and a Network Management Report for forecasting requirements as set forth in 15.4.2.A., preceding. (M)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.6 TESTING REQUIREMENTS (M)

15.6.1 CCSAC ACCEPTANCE TESTING REQUIREMENTS

At no additional charge, the Company will cooperatively test with the customer, at the time of installation, network compatibility and other operational tests as described in U S WEST Technical Reference PUB 77342.

When Clear Channel Capability on FGD Service is ordered as described in 6.3.1, preceding, at no additional charge, the Company will cooperatively test with the customer, at the time of installation, CCSAC network compatibility and other operational tests for ISDN interworking as described in Technical Reference PUB GR-905-CORE. (T)

Successful completion and acceptance of all testing requirements must occur in order to receive CCSAC Service.

15.6.2 CCSAC ADDITIONAL COOPERATIVE ACCEPTANCE TESTING REQUIREMENTS

Additional Cooperative Acceptance Testing as described in 12.3.4, preceding, will be performed on a cooperative basis with the customer. Additional Cooperative Acceptance tests for CCSAC are described in U S WEST Technical Reference PUB 77342.

Rates and charges for Additional Cooperative Acceptance Testing are described in 12.3.4, preceding. (M)
(D)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.7 CCSAC SERVICE APPLICATIONS

(N)

15.7.1 CALL SET-UP

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service.

Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated FGD trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's Switched Access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

15.7.2 FOREIGN DATABASE QUERIES

This service provides the customer the ability to query foreign databases (databases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and foreign databases (those not owned by the Company). CCSAC Service as set forth in this section is required to provide this capability. (N)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.8 RATES AND CHARGES (M)

A. Common Channel Signaling Access Capability

1. STP Access Connection

- Per Connection Option A

STP BAND	MILEAGE MEASUREMENT	USOC	NONRECURRING CHARGE	MONTHLY RATE
1	0	CCA1A	$684.00	$ 399.00
2	Over 0 to 8	CCA1B	684.00	598.00
3	Over 8 to 25	CCA1C	684.00	806.00
4	Over 25 to 50	CCA1D	684.00	1,105.00
5	Over 50	CCA1E	684.00	1,555.00

- Per Connection Option B

STP BAND	MILEAGE MEASUREMENT	USOC	NONRECURRING CHARGE	MONTHLY RATE
1	0	CCA2A	[1]	$105.00
2	Over 0 to 8	CCA2B	[1]	115.00
3	Over 8 to 25	CCA2C	[1]	124.00
4	Over 25 to 50	CCA2D	[1]	147.00
5	Over 50	CCA2E	[1]	203.00

[1] None (M)

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15. COMMON CHANNEL SIGNALING NETWORK (CCSN)

15.8 RATES AND CHARGES (M)

A. Common Channel Signaling Access Capability (Cont'd)

2. STP Link/STP PORT with STP Access Connection

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Option A or B			
- Per First Link/PORT	NRBS1	$567.00	[1]
- Per Each Additional Link/PORT	NRBSA	180.00	[1]

3. STP PORT with STP Access Connection

• Option A or B			
- Per Port	PT8SX	[1]	$850.00 (M)

B. Message Charge (N)

	RATE
1. Signal Formulation	
• ISUP, Per call set-up request	$0.000829
2. Signal Transport	
• ISUP, Per call set-up request	0.000559
• TCAP, Per data request	0.000418
3. Signal Switching	
• Per ISUP, Per call set-up request	0.001162
• Per TCAP, Per data request	0.000460 (N)

[1] None (M)

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