

Qwest Corporation

P.U.C. OREGON No. 32
ACCESS SERVICE

SECTION 2
Original Sheet 81

Replaces U S WEST 3rd Revised Sheet 69

2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

Point of Termination (POT)

The term "Point of Termination" denotes a point at or near a customer-designated premises at which the Company's responsibility for the provision of Access Service ends.

Premises

The term "Premises" denotes a building, or a portion of a building in a multitenant building, or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway. It may also denote a customer-owned enclosure or utility vault located above ground or underground on private property or on customer acquired right-of-way. Except for an end user that offers Telecommunications Services exclusively as a reseller, this term is not to be limited to one building, but applies as well to a complex, or campus-type configuration of buildings.

Presubscription

Presubscription is a procedure whereby a customer may select and designate to the Company an Interexchange Carrier (IC) to access, without dialing an access code, for interLATA calls; balloting, allocation and switch programming to route calls to an Interexchange Carrier without the use of an access code are included. The IC to which calls are routed without the use of an access code is referred to as the customer's predesignated IC.

Public Access Line (PAL) Service

The term "Public Access Line Service" denotes Basic and Smart Public Access Line Service available under the Exchange and Network Services Tariff of the Company for use with pay telephones.

Query

The term "Query" denotes the inquiry to a Company data base to obtain information, processing instructions or service data.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Registered Equipment

The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

Release Message

The term "Release Message" denotes an SS7 message sent in either direction to indicate the release of a specific circuit.

Remote Switching Modules and/or Remote Switching Systems (RSM/RSS)

The term "Remote Switching Modules and/or Remote Switching Systems" denotes small, remotely controlled electronic end office switches which obtain call processing capability from an ESS type Host Office. The RSM/RSS cannot accommodate direct trunks to a customer.

Responsible Organization (RESP ORG)

The term "Responsible Organization" denotes the entity that is responsible for the management and administration of 800 Data Base Access Service records in the Service Management System according to Guidelines for 800 Data Base.

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

(D)

Service Control Point (SCP)

The term "Service Control Point" denotes the node in the network where several independent data base applications receive and respond to Signaling System 7 queries.

Service Management System/800 (SMS/800)

The term "Service Management System/800" denotes the main operations support system of 800 Data Base Access Service. It is used to create and update subscriber 8XX records that are then downloaded to SCPs for handling subscribers' 8XX calls (see Service Control Points). The system is also used by 8XX responsible organizations to reserve and assign 8XX numbers.

Service Switching Point (SSP)

The term "Service Switching Point" denotes a signal point equipped with the ability to halt call process, formulate and send a SS7 query to a remote location and route the call based on information contained in the response.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Serving Wire Center (SWC)

The term "Serving Wire Center" denotes the local telephone company office from which dial tone for local exchange service would normally be provided to the customer's premises.

Seven Digit Manual Test Line

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

Signal Point (SP)

The term "Signal Point" (SP) denotes an end node in a CCSN. Signal Points can be switches (i.e., end offices and access tandems), data bases or operator service systems that are equipped with CCS.

Signal-to-C-Notched Noise Ratio

The term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Signal Transfer Point (STP)

The term "Signal Transfer Point" denotes a switch which provides CCSN access and performs CCSN message routing and screening.

Signal Transfer Point Port (STP PORT)

The term "Signal Transfer Point Port" (STP PORT) denotes the point of termination on the STP which provides CCSN access.

Signaling System 7 (SS7)

The term "Signaling System 7" denotes the signaling protocol in the CCSN.

Singing Return Loss (SRL)

The term "Singing Return Loss" denotes the frequency-weighted measure of return loss at the edges of the voiceband (260 to 500 Hz and 2200 to 3400 Hz), where singing (instability) problems are most likely to occur.

Subtending End Office of an Access Tandem

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Switching System

The term "Switching System" denotes the hardware and/or software utilized by the Company for the establishment and maintenance of a given central office switch.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Tandem Routed Access

The term "Tandem Routed Access" denotes Switched Access traffic routed to an access tandem trunk side Switched Access trunk.

Tandem-Switched Transport (TST)

The term "Tandem-Switched Transport" denotes 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 term "Terminating Direction" denotes the use of Access Service for the completion of calls from a customer's premises to an End User premises.

Traffic Type

The term "Traffic Type" denotes one of five Switched Access capacity types. They are Originating, Terminating, *SWITCHNET 56* Service, CCC Originating and CCC Terminating. See 6.1.1, following, for application.

Transaction Capabilities Application Part (TCAP)

The term "Transaction Capabilities Application Part" denotes 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.

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes 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.

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2. GENERAL REGULATIONS

2.6 DEFINITIONS (CONT'D)

Transmission Path

The term "Transmission Path" denotes 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

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

Trunkside Connection

The term "Trunkside Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity (e.g., a central office switch).

Underground Utility Vault

The term "Underground Utility Vault" denotes an underground enclosure where conduit(s) are terminated and which provides ready access to conduit system.

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2.6 DEFINITIONS (CONT'D)

Uniform Service Order Code (USOC)

The term "Uniform Service Order Code" (USOC) denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Company billing system to generate recurring rates and nonrecurring charges.

V and H Coordinates Method

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical (V) and horizontal (H) coordinates of the two points. Mileage measurement is described in 6.7.11, following.

WATS Serving Office

The term WATS Serving Office (WSO) denotes a Company designated end office switch which is capable of performing routing, screening and recording functions in connection with the closed-end of an 800/800-type call, WATS and similar services. Designation of an end office switch as a WSO is based upon the capability and capacity of the end office switch to provide WATS Access Line Service arrangements. WATS Access Service Arrangements and WATS Access Service Options, as described in 6.3.1, following, may not all be available at all WATS Serving Offices.

Wire Center

The term "Wire Center" denotes a building in which one or more local switching systems (or a portion thereof), used for the provision of Telephone Exchange Services, are located.

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2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS

Shared Use occurs when the Company allows a customer to utilize the same transport facility for different services. When the same transport facility and the associated options are utilized to provide more than one service, the Company shall apportion the monthly billing of the appropriate transport elements between the shared services.

The rate elements subject to the Shared Use allocation process are the recurring elements assessed for transport facilities only between a customer's premises and the SWC of that premises and the interoffice facilities from the customer's SWC to other wire centers which may include access tandems, end offices, and hubbing locations. Rate elements not associated with transport facilities are not allocated. The nonrecurring installation charges for each service are not apportioned and are assessed except as set forth in this section.

The Shared Use transport facility is ordered and provided as Private Line Transport Service (PLTS) unless otherwise described in this section. The specific Shared Use regulations and/or exceptions are described following:

- DS1 and DS3 PLTS with Switched Access Service is described in 2.7.1, following,
- Switched Access Service with Common Channel Signaling Access Capability Service (CCSAC) is described in 2.7.3, following.

2.7.1 DS1 AND DS3 PLTS WITH SWITCHED ACCESS SERVICE

When DS1 and DS3 PLTS (including a facility to a Hub) is shared between PLTS and Switched Access Service (including CCSAC), the service is ordered, provided and rated as PLTS until the customer chooses to place an order for Switched Access Service. When the customer chooses to use a portion of the available capacity on existing PLTS for providing Switched Access Service, the customer shall place an order for each individual Switched Access Service and specify the channel assignment for the Shared Use facility.

When the PLTS transport facilities are shared with Switched Access Service, the transport recurring PLTS rate elements (e.g., Channel Termination, Transport Channel and multiplexing) as well as the Switched Access Service transport recurring rate elements (e.g., Entrance Facility, Direct-Trunked Transport Facility and/or Direct Link Transport and associated multiplexing), are apportioned based on the total number of channels utilized for each service. The Switched Access rate for DS3 EF Electrical capacity of two or greater or any Optical Interface rate as set forth in Section 6, following, is for the billing of Shared Use only.

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2.7 SHARED USE REGULATIONS

2.7.1 DS1 AND DS3 PLTS WITH SWITCHED ACCESS SERVICE (CONT'D)

The recurring rate elements associated with multiplexing equipment are apportioned based on the number of channels utilized for each service when both Switched and PLTS multiplexing rate elements are chargeable.

When CCSAC Service is ordered on a Shared Use facility, the customer must dedicate, at a minimum, one DS1 facility for that service.

When PLTS facilities are provided from the SWC of the customer's premises to a Company hub and those facilities are shared with Switched Access Service, the appropriate PLTS transport channel mileage rates and the Switched DTT or DLT rates are apportioned. Switched DTT facilities must be provisioned from the Company hub to an access tandem or end office based on whether the customer requests tandem routing or direct routing.

PLTS and Switched Access Service rates elements not associated with transport facilities are not allocated. Following on the next page, is an example of Shared Use allocation.

Appropriate nonrecurring installation charges are assessed on a per-line, per-trunk or per-link basis for Switched Access Service.

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2.7 SHARED USE REGULATIONS

2.7.1 DS1 AND DS3 PLTS WITH SWITCHED ACCESS SERVICE (CONT'D)

Example of Shared Use

- Customer has DS3 PLTS comprised of a DS3 Channel Termination and a DS3/DS1 Multiplexer in the SWC of the customer's premises.
- Customer orders 24 Feature Group D trunks to ride a DS1 DTT facility to an end office (Section 6, following) and specifies that the DS1 DTT facility be assigned to the DS3 PLTS facility for the associated Switched Access Entrance Facility.

- Switched Access Service Rates and Charges

24/672 of the Switched DS3 Entrance Facility rate
100% Switched DS1 DTT facility rate
24/672 of the Switched DS3/DS1 Multiplexer rate

- PLTS Rates and Charges

648/672 of the PLTS DS3 Channel Termination
648/672 of the PLTS DS3/DS1 Multiplexer

In the above example, if the PLTS DS3 Service has Transport Channel mileage in addition to the Channel Termination, the Switched DS1 DTT facility rate and the PLTS Transport Channel rate are also apportioned.

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2. GENERAL REGULATIONS

2.7 SHARED USE REGULATIONS (CONT'D)

2.7.2 RESERVED FOR FUTURE USE

2.7.3 SWITCHED DS3 FACILITY WITH CCSAC SERVICE

Shared Use may occur when Switched Access Service, as set forth in Section 6, following, and CCSAC Service, as set forth in Section 15, following, are provided over the same DS3 facility. The DS3 facility must be ordered, provided and rated from Section 6, following, until the customer chooses to use a portion of the facility for CCSAC Service.

When the customer chooses to use a portion of the available capacity (i.e., DS1) of a DS3 facility for providing CCSAC, the customer shall place an order for each individual CCSAC Service from Section 15, following, and specify the channel assignment for the Shared Use facility. The customer must dedicate, at a minimum, one DS1 facility for the CCS Links. Since a minimum of one DS1 is utilized for CCS Links, the number of channels apportioned for CCSAC will be in multiples of 24 channels. All rates and charges will be apportioned as set forth in 2.7.1, preceding.

Where PLTS or Switched Access Service is provided and a portion of the facility is utilized for Shared Use to a Hub, rates and charges are apportioned for the facility to the Hub as set forth in 2.7.1, preceding, and individual service rates and charges for CCSAC apply from the Hub to the Company STP as set forth in Section 15, following.