

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.2 Billing Service (Cont'd)8.2.4 Billing Arrangements When the Telephone Company Acts as Billing Agent for the Customer

When the Telephone Company agrees to act as billing agent for the customer, the billing service, payment arrangements and ownership of the accounts receivable will be as follows:

- (A) The billing services, including the collection from end users of monies for the customer accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users, provided by the Telephone Company will be as set forth in Sections 8.2.1 and 8.2.2 preceding.
- (B) For the customer accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users, the Total Current Amount Billed and the Recourse Adjustments will be determined as set forth in Section 8.2.3 preceding. The payment of the net monies due the customer will be handled as set forth in Section 8.2.3(C) preceding.
- (C) The ownership of the customer accounts receivable will not be transferred by the customer to the Telephone Company. When the customer discontinues Billing Service provided under this tariff where the Telephone Company is acting as billing agent for the customer, the Telephone Company will determine and make a final payment to the customer as set forth in (B) preceding. This final payment shall be considered to be all of the remaining monies due the customer for the bills rendered to the customer's end users by the Telephone Company. When the Telephone Company discontinues billing the customer's end users for customer services, any deposits for customer services will be returned to the appropriate end user in accordance with Telephone Company final billing procedures.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service

At the request of a customer, which is a common carrier, the Telephone Company upon reasonable notice and with reasonable effort will provide Billing Analysis Service for detection, investigation and deterrence of billing evasion activities.

The term "billing evasion activities" used herein denotes message billing abuse and/or network abuse. Such abuse is the use of an access line (i.e., end user line or trunk, pay telephone line or other access line or trunk provided by the Telephone Company) where there is intent to circumvent or evade the proper charges in whole or in part for use of telecommunications services over the access line, or to conceal the points of origin or termination of telecommunications services.

Such activities include bypass or circumvention of Telephone Company billing equipment, unauthorized use of Telephone Company and customer service offerings, and unauthorized use of Telephone Company facilities.

8.3.1 General Description

Billing Analysis Service is the provision of detection, investigation and deterrence of billing evasion activities.

Detection is the provision of equipment by the Telephone Company to identify and collect information on network abuse. Such equipment may be located in Telephone Company premises or offices or may be attached to access lines.

Investigation is the provision of investigative services to collect evidence to document that billing evasion activities are occurring, prepare reports, preserve evidence and supply expert witness analysis and testimony. Investigation also includes provision of services to coordinate the investigative activities between exchange telephone companies and/or law enforcement agencies.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.1 General Description (Cont'd)

Deterrence is the contacting and interviewing of parties identified in billing evasion activities, the recovery of devices or materials used in billing evasion activities (where legally permitted), the service review for possible suspension of service over access lines identified in billing evasion activities and publicity assistance in publicizing billing evasion deterrence.

8.3.2 Undertaking of the Telephone Company

- (A) When Billing Analysis Service is ordered under a Special Order by an authorized security representative of the customer, the Telephone Company will provide any one or all of the services as set forth in (B) through (D) following at rates and charges as set forth in Section 17.5.4 following.
- (B) Detection Service will be provided for network abuse at any central office switch equipped to recognize and record irregular key pulse and multi-frequency signals upon receipt of a Special Order from a customer specifying the central office(s) where detection service is requested. Subject to the agreement of the Telephone Company, Special Construction for the provision of central office equipment to recognize and record irregular key pulse and multifrequency signals may be undertaken at the request of the authorized security representative of the customer to meet the needs of the customer. Such Special Construction will be provided as set forth in Section 16 following.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (B) (Cont'd)

- (1) Reports of detection service results will be provided on an office-by-office or line-by-line basis at the request of the authorized security representative of the customer. On an office-by-office basis, a detection service report of any signal irregularities will be provided for the previous 60 days for all trunks equipped in the office (i.e. ESS control group). Alternatively, for an office requested by the customer, a line-by-line continuous scan for current signal irregularities will be provided. When the continuous line-by-line scan is provided, a weekly report of signal irregularities for the office involved will be furnished.
- (2) The detection service reports as set forth in (1) preceding will include, for a signaling irregularity observed, the following: (a) the calling NPA and telephone number (i.e., NXX-XXXX), (b) the called number (i.e., NPA and telephone number recorded by Telephone Company billing equipment) if available, (c) signaling irregularity data, (d) the holding time of the call, if available, and (e) the date of call, if available. The report will be provided as a paper printout or microfiche at the discretion of the Telephone Company and sent to the authorized security representative of the customer by registered first class U.S. mail service. However, an authorized security representative of the customer may pick up the report at a location designated by the Telephone Company. The 60-day report will be available for mailing or pickup 2 weeks after the end of the 60-day period. Results of the continuous scan will be provided to the authorized security representative of the customer by a written report and/or a telephonic report within six working days after the end of a weekly scan.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

- (C) Investigative Service will be provided by authorized Telephone Company security personnel upon receipt of a Special Order from an authorized security representative of the customer specifying the line or lines or billing evasion activity (i.e., message billing abuse and/or network abuse) to be investigated. The services provided include the provision of an identification report, collection of evidence, provision of a detection and documentation scan, preparation of an affidavit and prosecutive summary, preservation of evidence collected, assistance to law enforcement agencies, provision of expert witness analysis and/or testimony, the coordination of billing evasion investigative services and the review of a customer's billing evasion control programs.
- (1) Provision of an identification report is the collection by Telephone Company personnel of billing information, party name, party address, service configuration, if any, and the preparation and submission of information pertinent to the customer's service in a report to the authorized security representative of the customer for each line or billing evasion activity specified by the customer.
- (2) Collection of evidence is the gathering of information pertinent to the line, message, or party associated with the billing evasion activity specified by the authorized security representative of the customer. Collection of evidence includes a written notification to the authorized security representative of the customer of the results of such gathering efforts. The Telephone Company will determine the information provided in the written notification.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (C) (Cont'd)

- (3) Subject to the agreement of the Telephone Company, a detection and documentation scan on an individual line will be provided when an authorized security representative of the customer provides a written request for such a scan. Provision of a detection and documentation scan on an individual line is the continuous scan of a line for irregular signals and when an irregular signal is recognized, the collection by Telephone Company equipment of information to show an irregular signal and use of the line occurred. Any information collected during the continuous scan of a line will be considered the property of the Telephone Company. The Telephone Company will notify the customer of the results of the scan and will permit authorized security representatives of the customer to review the results. The scan and any associated information will not be provided to any person or entity until the Telephone Company is requested to do so by subpoena or lawful demand. Any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer.
- (4) Preparation of an affidavit and prosecutive summary is the written documentation of the evidence collected by the Telephone Company personnel who performed such activities.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (C) (Cont'd)

- (5) Preservation of evidence is the placement of the collected evidence in a secure location under the control of Telephone Company security personnel for a period of up to two years. Such preservation of evidence will be continued beyond two years by the Telephone Company when requested by appropriate law enforcement agencies or the authorized security representative of the customer. The charges for Preservation of Evidence as set forth in Section 17.5.4(B) following will apply.
- (6) Assistance to law enforcement is the accompanying of duly authorized law enforcement personnel to a location where billing evasion activities have been determined to exist in order to identify billing evasion activity devices or materials. The Telephone Company personnel will provide such assistance to law enforcement personnel only after law enforcement involvement has been arranged by the customer, or under service as set forth in (10) following. If such assistance is required at locations outside the operating territory of the Telephone Company involved, any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer, except to the extent that such expenses are paid by the judicial system.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

(C) (Cont'd)

- (7) Provision of expert witness analysis is the review, study and other technical support activities provided by Telephone Company experts to analyze and/or document whether devices and materials associated with an investigation furnished by the authorized security representative of the customer or under services as set forth in (10) following operate, perform or contain billing evasion activities. A written analysis report will be provided to the authorized security representative of the customer. The expert will be selected by the Telephone Company.
- (8) Provision of expert witness testimony is the preparation of testimony and the submission of such testimony in association with an investigation. A copy of the written testimony, if any, will be provided to the authorized security representative of the customer. The expert witness will be selected by the Telephone Company. Any out of pocket payments for travel and/or other expenses of Telephone Company personnel will be billed to the customer.
- (9) Coordination of billing evasion investigative services between telephone companies is the referral of investigative information to other Telephone Company security personnel, provision of billing evasion information to other Telephone Company security personnel, the collection of information from other Telephone Company security personnel, and the tracking, collecting and reporting of the results of such investigations to the authorized security representative of the customer.



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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (C) (Cont'd)

- (10) Coordination of billing evasion investigative activities of participating law enforcement agencies is the provision of billing evasion information to the law enforcement agencies, the collection of billing evasion information from the law enforcement agencies and the tracking, collecting and reporting of the results of such participation to the authorized security representative of the customer. This coordination will be provided only upon receipt of written authorization from the authorized security representative of the customer.
- (11) Review of customer billing evasion deterrence control programs and related activities is advice to and/or training of customer personnel on billing evasion deterrence and preventive controls and the development of billing evasion deterrence and preventive control programs for the customer.

The Telephone Company will, at the request of the customer, provide investigation service on a premium time basis. When investigation service is provided on such a basis, premium time charges as set forth in Section 17.5.4(B) following will apply.

- (D) Deterrence services will be provided at any location in the operating territory of the Telephone Company that Telephone Company security personnel can safely and legally enter. Deterrence services will be provided, at the request of the authorized security representative of the customer, by written or telephonic notice. A telephone notice received from the authorized security representative of the customer, must be followed by written confirmation within one day. Deterrence services will be provided only after an investigation service has

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (D) (Cont'd)

been provided by the Telephone Company and billing evasion activity is found to warrant such actions. Deterrence service includes the contacting and interviewing of parties identified by the Telephone Company as being involved in billing evasion activities, the recovery of devices and/or materials associated with billing evasion activities, service review for possible suspension of Telephone Company service, publicity assistance for publicizing billing evasion activity deterrence.

- (1) Contacting and interviewing of parties is the written or verbal notification to, or a face-to-face discussion with, a party or parties by Telephone Company security personnel in order to deter further billing evasion activities. Contacting and interviewing is provided at locations identified by law enforcement agencies, the customer or the Telephone Company.
- (2) Recovery of devices or materials is the attempt by Telephone Company security personnel to recover devices or materials which are used in association with Telephone Company facilities in billing evasion activities. Such recovery is provided at locations identified by the Telephone Company, law enforcement agencies or the customer.
- (3) Service Review for possible suspension of Telephone Company service is the request for authority to suspend service from appropriate Telephone Company officers, notification to the end user that service will be suspended and, after review of the end user response, or lack thereof, suspension of service, if warranted, in the Telephone Company's judgment.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.2 Undertaking of the Telephone Company (Cont'd)

## (D) (Cont'd)

- (4) Publicity assistance for publicizing billing evasion activity deterrence is the provision of information and personnel to aid in publicizing billing evasion activity deterrence. The Telephone Company will determine what information it will provide, if any, and will select the personnel and media, if any, to provide this service.

8.3.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, in the absence of willful misconduct, no liability for damages to the customer or other person or entity shall be attached to the Telephone Company for its action or the conduct of its employees in providing Billing Analysis Service.

8.3.4 Obligations of the Customer

- (A) The authorized security representative of the customer shall order all Billing Analysis Service under a Special Order. The authorized security representative of the customer shall order those Billing Analysis Services it wishes to receive.
- (B) With each other, the customer shall designate and identify its authorized security representative who will be responsible to protect the information and to whom the Billing Analysis Service information will be provided. The customer shall assure and take every effort to make sure the Billing Analysis Service information is provided to and used only by authorized personnel involved in billing evasion activity matters.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.4 Obligations of the Customer (Cont'd)

- (C) When Billing Analysis Service Investigation is ordered, the authorized security representative of the customer shall furnish all known details of the billing evasion activities, including the access lines, parties or messages to be investigated, and shall furnish all necessary end user information it possesses to the Telephone Company security personnel. The specification of the access line, party or message to be investigated shall be in writing by the authorized security representative of the customer.
- (D) When law enforcement agencies are to be brought into the investigation, the authorized security representative of the customer shall secure their participation or authorize the Telephone Company in writing to obtain and coordinate such law enforcement agency participation.
- (E) When evidence collected by the Telephone Company is to be produced in connection with a judicial proceeding, the customer shall notify the Telephone Company of such a requirement in a timely manner.
- (F) When the customer requests that service be suspended for unauthorized use, the customer shall furnish a written request authorized by an officer. The request shall state the reason for the request and tariff, contract or legal provision permitting such suspension and shall correctly identify the end user, telephone number and the location of the end user service to be suspended.
- (G) All inquiries from the customer's end users concerning services provided under this tariff are to be handled by the customer. Any questions to the Telephone Company shall be made by the authorized security representative of the customer.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.4 Obligations of the Customer (Cont'd)

- (H) Except as set forth in Section 8.3.2(D)(4) preceding, publicizing of actions resulting from services provided under this tariff shall be the responsibility of the customer. The customer shall not publicize that the Telephone Company assisted the customer unless the customer has written permission to do so from the Telephone Company.
- (I) When the authorized security representative of the customer orders detection service or a detection and documentation scan of an individual line, it shall specify in writing the offices, lines or parties to be included in the scanning and reports the Telephone Company will provide.
- (J) When provision of expert witness analysis is ordered by the customer, the customer shall be responsible for furnishing the evidence to be analyzed unless the services as set forth in Section 8.3.2(C)(10) preceding are ordered by the customer.
- (K) When provision of expert witness testimony is ordered by the customer, the customer shall include the name, if any, of the Telephone Company expert it desires and when and where the testimony is needed.

8.3.5 Payment Arrangements(A) Minimum Periods

The minimum period for which Billing Analysis Detection Service continuous scanning is provided and for which charges apply is one week.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.5 Payment Arrangements (Cont'd)(B) Cancellation of a Special Order

A customer may cancel a Special Order for Billing Analysis Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the authorized security representative of the customer that the Special Order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. The service date for Billing Analysis Service is the date the Telephone Company security organization receives the Special Order.

When a customer cancels a Special Order for Billing Analysis Service after the order date but prior to the start of service, a charge as listed following shall apply.

- (1) For detection service, the per report charge for each 60-day report ordered and the per week charge for each office where a continuous scan is ordered.
- (2) For investigative service, two times the appropriate hourly charge for the service ordered and the per occurrence charge for each documentation scan ordered.
- (3) For deterrence service, two times the contact and interview of parties hourly charge for the service ordered.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.5 Payment Arrangements (Cont'd)(C) Changes to Special Orders

Customer requested changes to a pending Special Order for Billing Analysis Service will be undertaken if they can be accommodated by the Telephone Company. However, all changes to pending Special Orders for detection service will be considered as a discontinuance of the pending order and the placement of a new order and appropriate charges will apply. Any additional time required on the part of the Telephone Company personnel will be billed to the customer at the appropriate hourly charges.

8.3.6 Rate Regulations

- (A) The charge per report for the 60 day report, as set forth in Section 17.5.4(A) following, applies for each report provided to a customer even though no signaling irregularities are found.
- (B) The charge per office per week for continuous scan, as set forth in Section 17.5.4(A) following, applies for each week of service even though no signaling irregularities are found.
- (C) The per hour rate for investigative service and/or deterrence service is for the use of one hour of one Telephone Company security person's time.
- (D) The Telephone Company will keep a count of the hours and fraction thereof used by Telephone Company personnel to provide the service the customer ordered and will bill the customer in accordance with these records. The hours for each service ordered will be summed and then rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.

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8. Billing and Collection Services (Cont'd)8.3 Billing Analysis Service (Cont'd)8.3.6 Rate Regulations (Cont'd)

(E) Premium time is all hours for work performed outside the Telephone Company's normal work schedule and/or which requires additions to the work force.

(F) The provision of Billing Analysis Service per Special Order charge applies for each Special Order accepted by the Telephone Company for any Billing Analysis Service.

8.4 Billing Information Service

At the request of the customer, the Telephone Company will provide information to the customer from its end user records, billing files and account data base.

8.4.1 General Description

Billing Information Service is the provision of information to the customer from Telephone Company record systems labeled as Customer Records Information System (CRIS), Non-Sent-Paid Indicator Data Base (DBAS) and Customer Name and Address Bureau (CNA). Such Billing Information Service will be limited to the provision of information to a customer relating exclusively to end user service provided by that customer. Information relating to services provided by any other entity will not be provided.

Information is defined as any entry in the records, data base or bureau listings which is not listed as proprietary to the Telephone Company. Any entry listed as proprietary to the Telephone Company will not be provided.



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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company

- (A) When Billing Information Service is ordered by the customer, the Telephone Company will provide information on a request by request basis as follows in (B) through (M) following at the rates and charges as set forth in Section 17.5.5 following.
- (B) Upon request from a customer and when the customer has ordered Message Billing Service Bill Processing Service, the Telephone Company will provide information from its CRIS records as follows:
  - (1) message detail for a message end user
  - (2) account detail for a message end user
  - (3) service and equipment detail for a message end user

Message detail is message-billed records in exchange message record (EMR) format in the CRIS file.

Account detail is data that furnishes the end user name, billing address and billing parameters other than message detail and/or service and equipment detail.

Service and equipment detail is data associated with the customer's rate elements.

A message end user is an account with customer message or bulk-billed detail (for a bill period) or an account which is marked, as set forth in (G) following, or established as an end user of the customer's message or bulk-billed services.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

## (B) (Cont'd)

Message detail, account detail and/or service and equipment detail which is confidential due to legal, national security, end user or other appropriate requirements will not be provided. If the customer requires this information in order to bill its services, it shall secure written permission from the end user to obtain the information from the Telephone Company. The customer shall furnish the Telephone Company the end user's written permission for the information to be released.

## (C) Upon request from a customer and when the customer has ordered Private Line Billing Service, the Telephone Company will provide information from its CRIS records as follows:

- (1) account detail for a private line end user
- (2) service and equipment detail for a private line end user

Account detail is data that furnishes the end user name, billing address and billing parameters other than message detail and/or service equipment detail.

Service and equipment detail is data associated with the customer's rate elements.

A private line end user is an account with rate element detail (for a bill period) or an account which is established, at customer request, as an end user of the customer's private line (non-message) services.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

## (C) (Cont'd)

Account detail and/or service and equipment detail which is confidential due to legal, national security, end user or other appropriate requirements will not be provided. If the customer requires this information in order to bill its services, it shall secure written permission from the end user to obtain the information from the Telephone Company. The customer shall furnish the Telephone Company the end user's written permission for the information to be released.

- (D) Upon request from an authorized supervisor of the customer for end user information when Automatic Number Identification (ANI) service is provided to the customer by the Telephone Company or when the customer offers a telecommunications service for which the billing is based on authorized calling or called parties, the Telephone Company will provide information from its DBAS records. Only current information which resides in the data base will be provided.

- (E) Where Telephone Company facilities are available and subject to the agreement of the Telephone Company, CRIS and/or DBAS information may be provided on an interrogation basis at the request of the customer.

The interrogation basis will permit the customer to access a data file which contains the data base information from a data processing terminal at the customer location, furnish an end user telephone number and, after verification that the information is authorized for the customer's use, receive the end user information. The interrogation file will be provided during normal Telephone Company business hours. The DBAS interrogation file will be updated each business day to reflect current end user information. The CRIS interrogation file will be updated each bill day (day bills are prepared and dated for an end user for a customer's service) and will be

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

## (E) (Cont'd)

updated daily when information is available and when the Telephone Company updates the file on a daily basis to reflect current end user information.

The Telephone Company will develop the customer's CRIS and DBAS information order into a retrieval and interrogation program. Program development charges, as set forth in Section 17.5.5(D) following, apply for the hours required to design, develop, test and maintain the necessary programs.

## (F) CRIS and/or DBAS information will be provided on a total file and/or file update basis as follows:

- (1) The total file basis will permit the customer to receive, at the customer's option, all the end user information that is authorized for the customer's use on paper printout, magnetic tape or fiche. The total file output will contain end user information for the current billing period. The billing period will be set by the Telephone Company. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply the magnetic tapes. After the information system ordered by the customer is in service, the paper printout, magnetic tape or fiche will be available from the Telephone Company within 10 working days of the customer request.

Program development charges as set forth in Section 17.5.5(D) following, apply for the hours required to design, develop, test and maintain the necessary programs that are used to provide the paper output, magnetic tape or fiche.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

## (F) (Cont'd)

## (1) (Cont'd)

Once available, the paper printout, magnetic tape or fiche will be sent to the customer via first class U.S. Mail service. At the option of the customer, the customer may pick up the paper printout, magnetic tape or fiche at a location designated by the Telephone Company or request the information be data-transmitted to the customer. When the information is data-transmitted to the customer, the data transmission charges will be determined on an individual case basis.

- (2) The file update basis will permit the customer to receive, at the customer option, all the end user information that is authorized for the customer's use on paper printout, fiche or magnetic tape. The file update output will contain end user information for the current billing period only. The current billing period is the period associated with the most recent bill rendered to an end user. The magnetic tapes will be provided without the return of previously supplied tapes. The Telephone Company will supply magnetic tapes. The file updates will include those records added and those records deleted, if any, (deleted records may not be retained by all of the Telephone Companies). For CRIS information, the file updates will be provided on a monthly interval. For DBAS information, the file updates will be provided for each business day.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

(F) (Cont'd)

(2) (Cont'd)

Program development charges as set forth in Section 17.5.5(D) following, apply for the hours required to design, develop, test and maintain the necessary programs that are used to provide the paper output, fiche or magnetic tape.

Once available, the file update paper printout, fiche or magnetic tape will be sent to the customer via first class U.S. Mail service. At the option of the customer, the customer may pick up the paper output, fiche or magnetic tape at a location designated by the Telephone Company or request the information be data-transmitted to other customer. When the information is data-transmitted to the customer, the data transmission charges will be determined on an individual case basis.

- (3) The total file output and the file update output will, at the option of the customer, be provided on a quick turnaround basis. Such quick turnaround output will be provided one working day after the information that the customer ordered is available. Once available, the output will be provided on paper printout, fiche, or magnetic tape and will be sent to the customer via first class U.S. Mail service. At the option of the customer, the customer may pick up the paper output, fiche or magnetic tape at a location designated by the Telephone Company or request the information be data-transmitted to the customer. When the information is data-transmitted to the customer, the data transmission charges will be determined on an individual case basis.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

- (G) The Telephone Company will, at the request of the customer, mark any message-billed message end user account, other than end user accounts with customer credit cards or rate elements, as a user of the customer's message services. After marking is ordered, the end user account will be marked as a customer end user account at the time the first message is posted to the end user account. If not marked at the request of the customer, such an end user account will not be identified as a customer account unless there are customer message details associated with the account for the bill period for which message detail is ordered by the customer. The mark will be removed at the request of the customer. Charges to mark the account and maintain the mark in future months as set forth in Section 17.5.5(G) following will apply. Customer bulk-billed end user accounts and message end user accounts with customer credit cards or customer rate elements are counted as customer accounts.
- (H) Upon acceptance by the Telephone Company of a Special Order for Billing Information Service from a customer, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (I) The Telephone Company will provide the format for interrogation of its data files and the format of any printed, magnetic tape or fiche output from its CRIS and DBAS files.

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8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

- (J) Upon request from an authorized supervisor of the customer who furnishes the account code assigned by the Telephone Company, the Telephone Company will provide name and town information from its CNA bureau. The CNA name and town data, but not street address, will be provided only when the customer needs the information to authorize a call, to bill a call, or to handle an emergency situation. The information will be provided on a request by request basis by voice telecommunications. Name, town and state will be provided for a telephone number. A request includes the handling of one call and providing the data for one telephone number.

The Telephone Company will specify the location where requests are to be received and the format in which the request is to be made. If the name and address associated with the telephone number is restricted due to the request of the end user, legal authority or law enforcement agency, no name or town location will be provided.

At the request of the customer, written confirmation of the name and town location will be sent to the authorized supervisor making the request by first class U.S. Mail service.

- (K) If the customer requests the information ordered by the customer be resupplied by the Telephone Company because of incorrect customer specifications or errors, the Telephone Company will resupply the information in accordance with a new customer order and all appropriate charges as set forth in Section 17.5.5 following will apply.



## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.2 Undertaking of the Telephone Company (Cont'd)

- (L) Where facilities are available and subject to the agreement of the Telephone Company, updating of customer data bases or files from Telephone Company data processing terminals or equipment in Telephone Company locations may be undertaken at the request of the customer. The charges for such a service will be determined on an individual case basis.
- (M) The Telephone Company will provide Billing Information Service under a Special Order. For all Billing Information Services, the Billing Information Service Special Order charge as set forth in Section 17.5.5(l) following applies.

8.4.3 Liability of the Telephone Company

Notwithstanding Section 2.1.3 preceding, in the absence of willful misconduct, no liability for damages to the customer or other person or entity shall attach to the Telephone Company for its action or the conduct of its employees in providing Billing Information Service.

8.4.4 Obligations of the Customer

- (A) The customer shall order Billing Information Service under a Special Order and shall specify how often it wishes the service to be provided.
- (B) With each order, the customer shall identify the authorized individual and address to receive the Billing Information Service output. When interrogation is ordered, the customer shall identify the data processing terminals authorized to receive the information and the authorized individual who will be responsible for all terminal activities. When CNA service is ordered, the customer will identify in writing and include the account codes assigned by the Telephone Company of all authorized individuals who will contact the CNA bureau.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.4 Obligations of the Customer (Cont'd)

- (C) The customer shall take every effort to make sure that Billing Information Service output and interrogation capability is provided only to authorized personnel. The customer shall agree, in writing to the Telephone Company, that the customer will not provide the Billing Information Service outputs to third parties for any use by such third parties except for work for the customer and which is under complete control of the customer.
- (D) The customer shall furnish, to the Telephone Company, when interrogation service is ordered all information necessary to allow the Telephone Company to establish an interrogation program. In addition, the customer shall furnish the Telephone Company, for each data base and file where the interrogation is ordered, an estimate of the number of requests per business day that the Telephone Company data base and file will be asked to handle. The customer's terminals used to interrogate the Telephone Company data base and file must be capable of working with Telephone Company equipment and software.
- (E) The customer shall be responsible for all contacts and inquiries from its end users concerning Billing Information Service.
- (F) The customer shall not publicize or represent to others that the Telephone Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files and data bases or other systems it assembles through the use of Billing Information Service.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.4 Obligations of the Customer (Cont'd)

- (G) When the customer orders marking of non-customer credit card message-billed message end user accounts, all accounts containing that customer's messages will be marked starting with the next bill period and marking will continue until the customer orders marking discontinued. The customer shall, when it orders marking removed, furnish the telephone number of each end user account for which the mark is to be removed. The mark will be removed prior to the next bill period.

8.4.5 Payment Arrangements(A) Minimum Periods and Minimum Monthly Charges

The minimum period for which Billing Information Service CRIS and/or DBAS file interrogation is provided and for which charges apply is one year.

The minimum monthly charges for CRIS and/or DBAS file interrogation are the charges for the total number of requests per business day furnished by the customer as set forth in Section 8.4.4(D) preceding times 18 (i.e., 20 business days per month times 0.9).

When the customer discontinues the service prior to the end of the one-year minimum period, the minimum monthly charge for the data base interrogation will apply for each remaining month and fraction of month.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.5 Payment Arrangements (Cont'd)(B) Cancellation of a Special Order

A customer may cancel a Special Order for Billing Information Service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Special Order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. The service date for a Billing Information Service is the date the Telephone Company notifies the customer that the Telephone Company is ready to provide Billing Information Service reports or receive interrogation requests.

When a customer cancels a Special Order for Billing Information Service after the order date but prior to the start of service, charges as listed following shall apply:

- (1) for any service, the appropriate per hour rate for all hours expended by the Telephone Company to provide the service;
- (2) for any service, any expense for equipment obtained for the service where such equipment cannot be reused within six months.

(C) Changes to Special Orders

When a customer requests changes for a pending Special Order for Billing Information Service, they will be undertaken if they can be accommodated by the Telephone Company. Any additional time required on the part of Telephone Company personnel will be billed to the customer at the appropriate hourly charges.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.6 Rate Regulations

- (A) The number and type of records for which charges apply as set forth in Section 17.5.5 following will be accumulated by the Telephone Company and the Telephone Company will bill the customer in accordance with these accumulations. A record is a logical grouping of information as described in the programs that process the information, print the paper output, and load the magnetic tape or data file used to supply the detail which is data-transmitted or put on fiche. For each service and type of output ordered, the number of records processed by the Telephone Company to prepare the output will be used to determine the charges. The number of records processed will be determined using the number of records input to or the number of records output from the programs that process the information, print the paper output and load the magnetic tape or data file, whichever number of records is higher.
- (B) The number of hours and fraction thereof for which charges apply as set forth in Section 17.5.5 following will be accumulated by the Telephone Company. The per hour rate is for the use of one hour of one Telephone Company programmer. The Telephone Company will bill the customer for hourly charges in accordance with these accumulations. The accumulated hours for each order will be summed and rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charges.
- (C) When a CNA request is received, the Telephone Company will keep a count of the requests. The Telephone Company will bill the customer in accordance with these records even though the Telephone Company was not able to provide a name and town location for all requests.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.4 Billing Information Service (Cont'd)8.4.6 Rate Regulations (Cont'd)

- (D) When records are entered on a data file or magnetic tape in order to provide information to a customer, the per tape charge applies for each data file or tape prepared. In addition, the per record charge applies for each record entered on the data file or tape. The Telephone Company will determine the charges based on the number of data files or tapes prepared and on its count of the records entered on the data file or tape.
- (E) When marking of message end user accounts is ordered, the marking charge applies for each end user account marked. Once an account is marked, the maintenance of mark charge applies for each month following the month the account is marked until the customer requests the mark be removed. No charges apply to remove the mark.
- (F) The provision of Billing Information Service per Special Order Charge applies for each Special Order accepted by the Telephone Company for any Billing Information Service.

## ACCESS SERVICE

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## ACCESS SERVICE

9. Directory Assistance Service

The Telephone Company will provide Directory Assistance (DA) Service to a customer from Directory Assistance Service locations (DA locations). DA locations are either primary or subtending. Primary DA locations are those to which terminating DA calls for the NPA first complete. Primary DA locations either process the telephone number request or, if necessary, forward the call to a subtending DA location for processing. DA service rates are assessed by the primary DA location only. Subtending DA locations are compensated by contractual arrangements between telephone companies.

9.1 General Description

Telephone Company provided DA Service is available to customers for their use in furnishing DA services to end users. It provides for the use of Directory Access Service between the premises of the ordering customer and the DA location(s), use of DA access equipment, and use of DA operators to provide telephone numbers.

Directory Access Service will be provided between the customer designated premises and the DA location by the Telephone Company. Rates and charges for Directory Assistance Service are set forth in Section 17.6.2 following. When Switched Access Service is used at the terminating end of the DA call in combination with Directory Access Service in the provision of Directory Assistance Service, Switched Access Services rates do not apply on the terminating end of the call, whereas the Directory Assistance Service rates do apply.



## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.1 Description and Provision of Directory Assistance Service

A Telephone Company DA operator, when furnished a name and locality, will provide or attempt to provide the telephone number listed in the Telephone Company DA records associated with the name given, at the rates and charges as set forth in Section 17.6.2 following. The Telephone Company's contact with the customer's end user shall be limited to that effort necessary to process a customer's end user's request for a telephone number; and the Telephone Company will not transfer, forward or redial a customer's end user call to any other location for any purpose other than the provision of DA Service.

Each Directory Access Service will consist of the following:

- An Interface Group equipped with an available Premises Interface at the customer's designated premises as set forth in Section 15.3.1 following.
- Directory Transport between the premises of the ordering customer and the DA location.

When required by the Telephone Company, a separate Directory Access Service trunk group will be provided for DA Service for each NPA. Separate trunk groups will be required when the Telephone Company notifies the customer that the mechanized search of its data base and its mechanized operator practices require a mechanized identification of the NPA code for which the customer's end user desires DA information.

Further, when an access tandem is available and is provided, the Directory Access Service will be provided, at Telephone Company choice:

- as a separate Directory Access Service trunk group, or
- in combination with FGB, FGC or FGD Switched Access Service.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.2 Ordering Options and Conditions(A) Ordering

Except as set forth following, Directory Assistance Service provided under a Special Order is subject to the ordering conditions as set forth in Section 5 preceding. The customer shall determine and order the busy hour minutes of capacity and interface type of Directory Access Services it needs for DA Service.

When DA Service is initially ordered, the customer shall order the service for at least six months. Thereafter, additional service may be ordered for a minimum of six months. Not later than three months prior to the end of the six month period, the customer shall notify the Telephone Company if the service is to be discontinued at the end of the six month period. If no notice is received from the customer, the Telephone Company will automatically extend the service for another six months and all appropriate charges as set forth in Section 17.6.2 following will apply for another six months.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.2 Ordering Options and Conditions (Cont'd)(B) Cancellation of a Special Order

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

When a customer cancels a Special Order for DA Service after the order date but prior to the start of service, the appropriate application of charges as set forth in Section 5 preceding apply for the Directory Access Service canceled. In addition, a charge equal to any unrecoverable capital costs incurred by the Telephone Company will apply to the customer.

(C) Changes to Special Orders

When a customer requests changes to a pending order for DA Service, such changes will be undertaken if they can be accommodated by the Telephone Company. The appropriate application of charges as set forth in Section 5 preceding apply for the Directory Access Service changed. In addition, a charge equal to any other costs incurred by the Telephone Company because of the change will apply.

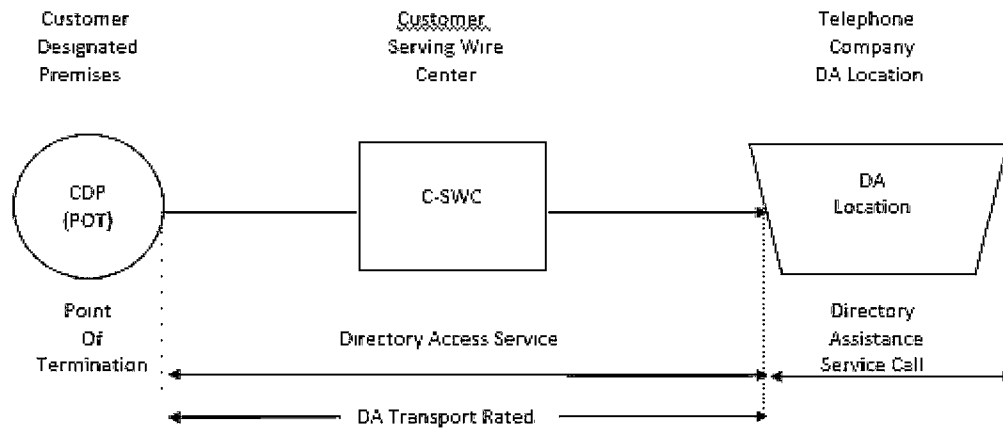
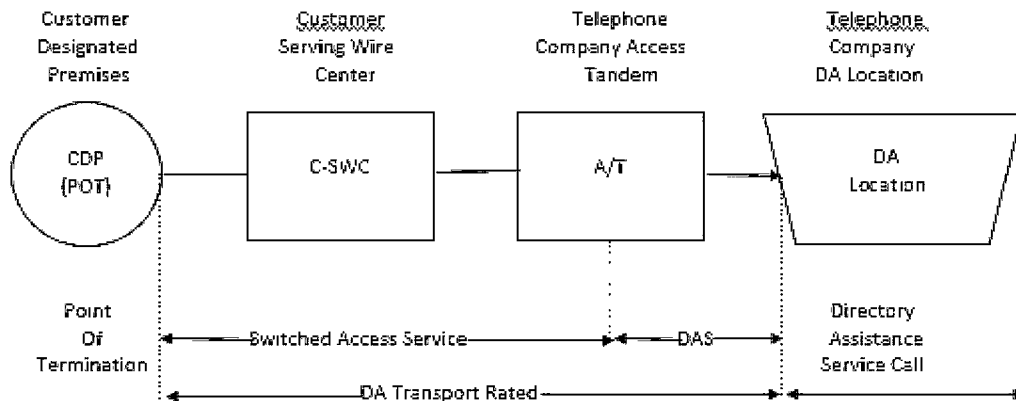
## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.3 Rate Categories

There are two rate categories which apply to Directory Assistance Service:

- Directory Assistance Service Call
- Directory Transport Service

The following diagrams depict generic views of the components of Directory Assistance Service when provided on a directly trunked basis and when provided in combination with trunk side Switched Access Service FGB, FGC or FGD on the terminating end of a call.

Directly TrunkedIn Combination with Switched Access Service

DAS – Directory Access Service

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.3 Rate Categories (Cont'd)(A) Directory Assistance Service Call

The Directory Assistance Service Call rate category provides for the use of general DA Services such as operators and DA access equipment necessary to provide DA Service to a customer.

(B) Directory Access Service

Directory Access Service is provided in the form of Directory Transport which provides the transmission facilities and transport termination between the premises of the ordering customer and the DA location.

Directory Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency path transports calls in the terminating direction (from the premises of the ordering customer to the DA location).

The Telephone Company will determine whether the Directory Access Service is to be routed directly to a DA location or through an access tandem switch appropriately equipped for DA measurement and served by DA trunks to the DA location when such an access tandem switch is available. The combination of FGB, FGC or FGD Switched Access Service with DA Service will only be provided at such available and appropriately equipped access tandem switches. If the customer desires the traffic routing to be other than that selected by the Telephone Company, it may request a cooperative effort to determine if customer specified traffic routing can be used in lieu of the Telephone Company selected traffic routing.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.3 Rate Categories (Cont'd)(B) Directory Access Service (Cont'd)

When Directory Transport is provided using a direct route to the DA location, no address signaling is provided. When Directory Transport is provided with the use of an access tandem switch, wink start-start pulsing signaling is provided at the access tandem switch. The customer will be notified by the Telephone Company when access tandem routing is provided and the customer shall address each call to the DA location using NPA + 555 + 1212 or when required by the Telephone Company, 555-1212. Only NPA codes handled by the DA location served by the access tandem switch will be processed.

Directory Transport is provided with one of the Local Transport Interface Groups as set forth in Section 15.1.1 following.

9.1.4 Special Facilities Routing

A customer may request that Directory Access Service be provided via Special Facilities Routing. The regulations, rates and charges for Special Facility Routing (Avoidance, Diversity and Cable Only) are as set forth in Section 11 following.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.1 General Description (Cont'd)9.1.5 Design Layout Report

The Telephone Company will provide to the customer the makeup of the facilities and services provided under this section as Directory Access Service. This information will be provided in the form of a Design Layout Report similar to that as set forth in Section 6.1.5 preceding. Design Layout Reports for Directory Access Service will be provided only when specifically requested by the customer. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

9.2 Undertaking of the Telephone Company9.2.1 Number of Telephone Number Requests

A maximum of two (2) requests for telephone numbers will be accepted per call to Directory Assistance and DA operators will not transfer, forward or redial the call to another location for any purpose other than the provision of DA Service.

9.2.2 Telephone Number Availability

A telephone number which is not listed in DA records will not be available to the customer's end user.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.2 Undertaking of the Telephone Company (Cont'd)9.2.3 Selection of DA Locations

The Telephone Company will specify the DA location which provides the DA Service for each numbering plan area code (NPA). The DA locations are as shown in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

When it becomes necessary to change a DA location, as determined by the Telephone Company, the Telephone Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in Section 2.1.7 preceding apply.

9.2.4 Transmission Specifications

Each Directory Assistance Service transmission path is provided with standard transmission specifications, either Type A or B, as set forth respectively in Section 15.1.2(E) and (F) following. The specifications associated with the parameters are guaranteed to the DA location. The standard for a particular transmission path is dependent upon the following:

- whether Directory Access Service is provided in combination with FGB, FGC or FGD Switched Access Service, or
- when not provided in combination with Switched Access Service, whether routed direct or via an access tandem switch.

The available transmission specifications are set forth in Section 15.3.2 following.



## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.2 Undertaking of the Telephone Company (Cont'd)9.2.5 Testing(A) Acceptance Testing

The acceptance testing capabilities for Directory Access Service traffic routed through an access tandem are the same as those for the associated FGC or FGD end office switching. The acceptance testing for Directory Access Service traffic routed directly, or routed in separate trunk groups through an access tandem, to the DA location, will be the same as that for Switched Access Service as set forth in Section 6.2.4 preceding.

(B) Routine Testing

Routine testing capabilities for Directory Access Service traffic routed through an access tandem are the same as those for the associated FGC or FGD end office switching. Routine testing capabilities for Directory Access Service traffic routed directly, or routed in a separate trunk group through an access tandem, to the DA location, will be as set forth in Section 13.3.1 following.

9.2.6 Determination of Number of Transmission Paths

The number of Directory Transport transmission paths provided is based on the customer's order and is determined by the Telephone Company in a manner similar to Switched Access Service transmission paths as set forth in Section 6.2.5 preceding.

9.2.7 Supervisory Signaling

Trunk side switching is provided at the DA Service access location. The DA Service access location will provide trunk answer and disconnect supervisory signaling.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.3 Obligations of the Customer

In addition to the obligations of the customer as set forth in Section 2 preceding, the customer has certain specific obligations concerning the use of Directory Assistance Service. These obligation are as follows:

9.3.1 Jurisdictional Reports

Directory Transport may, at the option of the customer, be provided for both interstate and intrastate communications. When the customer requests such mixed access, the intrastate Directory Transport charges will be determined by the Telephone Company using the data furnished by the customer as set forth in Section 2.3.11 preceding.

9.3.2 Supervisory Signaling

The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

9.3.3 Ordering of Separate Trunk Groups

When requested by the Telephone Company, the customer shall order a separate trunk group for DA Service for each NPA. The conditions when the customer will be requested to order separate trunk groups for each NPA are set forth in Section 9.1.1 preceding.

9.3.4 Notice of Discontinuance of Service

DA Service is ordered and renewed for a minimum period of six months at a time, as set forth in Section 9.1.2(A) preceding. Not later than three months prior to the end of any six month period, the customer shall notify the Telephone Company if the service is to be discontinued at the end of that period.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.4 Rate Regulations

This section contains the specific regulations governing rates and charges that apply for Directory Assistance Service.

9.4.1 Description and Application of Rates and Charges

There are two types of rates and charges that apply to Directory Assistance Service. These are usage rates and nonrecurring charges.

(A) Usage Rates

Usage rates for DA Service are rates that are applied on a per call basis. Per call charges are accumulated over a monthly period.

(B) Nonrecurring Charges

Nonrecurring charges for DA Service are one-time charges that apply for a specific work activity (i.e., installation, change to an existing service and DA Service rearrangements).

(1) Installation of Service

Nonrecurring charges apply to each Directory Access Service installed. Directory Access Service is ordered on a busy hour minutes of capacity basis and the number of Directory Transport transmission paths installed is based on the customer's order, and is determined by the Telephone Company in a manner similar to Switched Access Service transmission paths as set forth in Section 6.2.5 preceding.

(2) DA Service Rearrangements

All changes to existing services other than changes involving administrative activities will be treated as a discontinuance of the existing service and an installation of a new service.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.2 Directory Assistance Service Call Charge

The Directory Assistance Service call charge, as set forth in Section 17.6.2(A) following, applies for each call to DA Service. A call is a call which has been answered by a DA operator. The charge applies whether or not the DA operator provides the requested telephone number. The number of calls answered by DA operators will be accumulated by Telephone Company measuring equipment. A credit for the provision of an incorrect telephone number will be applied as set forth in Section 9.4.8 following.

9.4.3 Directory Access Call Charge

The Directory Transport provides the transmission facility and transport termination from the serving wire center for the premises of the ordering customer to the DA location. Title Page notwithstanding, these two wire centers may be in different LATAs. In addition, the premises of the ordering customer must be in the LATA where DA service is requested or in the LATA where the DA location is located. The rate for Directory Transport is calculated on a per call basis for the appropriate mileage band. The mileage band for Directory Transport is measured from the serving wire center for the premises of the ordering customer to the DA location. The measurement will be performed as set forth in Section 6.4.6 preceding.

The charge per call for Directory Transport, as set forth in Section 17.6.2 following applies, for each call to DA service. A call is as set forth in Section 9.4.2 preceding. The number of calls will be accumulated as set forth in Section 9.4.2 preceding.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.4 Minimum Periods

The minimum period for which DA Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

If DA Service is discontinued prior to the end of each six month period, the charges that apply for the remaining months are the non-recoverable costs. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the non-recoverable cost of installation and removal including the costs of engineering, labor supervision, transportation, rights-of-way and other associated costs less estimated net salvage.

9.4.5 Minimum Monthly Charge

DA Service is subject to a minimum monthly charge. The minimum monthly charge is calculated as follows:

- The minimum monthly charge for Directory Assistance Service calls is the charge as set forth in Section 17.6.2 following for the actual usage for the month.
- For the Directory Transport rate element, the minimum monthly charge the customer will be assessed will be the usage charges based on actual usage. Rates for actual usage are set forth in Section 17.6.2 following.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.6 DA Service Rearrangements

Nonrecurring charges apply for service rearrangements. Service rearrangements and the regulations concerning the application of associated nonrecurring charges are as set forth in Section 6.4.1(B)(3) preceding.

9.4.7 Moves

A move involves a change in the physical location of the point of termination at the customer designated premises or of the customer designated premises. Moves will be treated as set forth in Section 6.4.4 preceding and all associated nonrecurring charges will apply. Minimum period requirements will be established at the new location as set forth in Section 6.4.4 preceding. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

9.4.8 Credit Allowance for Service Outages and Incorrect Numbers

- (A) When the DA location or DA operator equipment or terminals are out of service due to a Telephone Company equipment failure a credit allowance is provided. When an incorrect number is provided and a customer DA call has been answered by a DA operator, a credit allowance is provided. The credit allowances provided are equal to the rate for a Directory Assistance Service Call plus the rate for a Directory Transport call as set forth respectively in Section 17.6.2(A) and (B) following. The rate for a Directory Transport call will be the average of the Directory Transport rates per call as set forth in Section 17.6.2(B) following. The credit will be applied to the customer's charges.

## ACCESS SERVICE

9. Directory Assistance Service (Cont'd)9.4 Rate Regulations (Cont'd)9.4.8 Credit Allowance for DA Service (Cont'd)

- (B) In addition to the credit as set forth in (A) preceding, when a DA operator or DA equipment provides an incorrect number for a call and the customer reports such occurrences to the Telephone Company, a credit allowance for the Switched Access portion of the call in the originating LATA of such DA call will apply. The credit will be as set forth in (C) following. When the customer reports such a call and the number requested, the number provided and the reason the number provided is incorrect, the number of calls for which a credit will apply will be developed by the Telephone Company in cooperation with the customer.
- (C) When a DA call is not completed due to the failure of Directory Access Service to DA locations, DA access equipment or DA operator activities, a credit allowance for the Switched Access Service portion in the originating LATA of such DA call will apply. When the customer reports such a call and DA number dialed, time of the call and the date of the call, the number of calls for which a credit will apply will be developed by the Telephone Company in cooperation with the customer. The credit will be as set forth in Section 17.6.2(C) following. Credit allowances for other service interruptions will be provided as set forth in Section 2.4.4 preceding.

ACCESS SERVICE

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## ACCESS SERVICE

10. Special Federal Government Access Services10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- state of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters");
- efforts to protect endangered U.S. personnel or property both in the U.S. and abroad (includes space vehicle recovery and protection efforts);
- communications requirements resulting from hostile action, a major disaster or a major civil disturbance;

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.2 Emergency Conditions (Cont'd)

- the director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately;
- political unrest in foreign countries which affect the national interest; or,
- Presidential service.

10.3 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.4 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

0.5.1 Type and Description(A) Voice Grade Special Access Services(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between a customer designated premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz  
13 dB at 100 Hz  
09 dB at 1000 Hz  
20 dB at 10000 Hz  
30 dB at 50000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1000 Hz  
± 1 dB between 1000 Hz and 40000 Hz  
± 2 dB between 10 Hz and 50000 Hz  
(+ means more loss)

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal Government (Cont'd)10.5.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(1) Voice Grade Secure Communications Type I (Cont'd)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1000 Hz from the levels specified preceding. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between a customer designated premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal and/or State Government (Cont'd)10.5.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between a customer designated premises and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the customer designated premises to the end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; and from the end user's premises to the customer designated premises shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two customer designated premises. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.5 Service Offerings to the Federal and/or State Government (Cont'd)10.5.1 Type and Description (Cont'd)(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty micro-seconds at a rate of 50000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50000 bits per second.

10.5.2 Mileage Application

Mileage, when used for rate application between the serving wire centers of two customer designated premises, shall be determined by the V&H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 and administered as set forth in Section 7.2.5 preceding.

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.6 Rate Regulations10.6.1 General

The rates and charges for special offerings to the Federal Government, such as those set forth in Section 10.5 preceding, are developed on an individual case basis and are set forth in Section 17.4.6 following.

10.6.2 Voice Grade Special Access

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

10.6.3 Move Charges

- (A) When a service without a termination charge associated with it, as set forth in Section 17.4.6 following, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (B) When service with a termination charge associated with it, as set forth in Section 17.4.6 following, is moved and is reinstalled at a new location, the customer may elect:
- to pay the unexpired portion of the termination charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
  - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move.

## ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)10.6 Rate Regulations (Cont'd)10.6.3 Move Charges (Cont'd)

## (B) (Cont'd)

Charges for moving such service will be based on estimated costs attributable to the move. Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.



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## ACCESS SERVICE

11. Special Facilities Routing of Access Services11.1 Description

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

11.1.1 Diversity

Two or more circuits must be provided over not more than two different physical routes.

11.1.2 Avoidance

A circuit(s) must be provided on a route which avoids specified geographical locations.

11.1.3 Diversity and Avoidance Combined11.1.4 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only Facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; Narrowband and Voice Grade Special Access Services as set forth respectively in Sections 7.4 and 7.5 preceding; and, Special Federal Government Access Services as set forth in Section 10.5 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in Section 7.5 preceding and Special Federal Government Access Services as set forth in Section 10.5 preceding.

## ACCESS SERVICE

11. Special Facilities Routing of Access Services (Cont'd)11.1 Description (Cont'd)

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The rates and charges for Special Facilities Routing of Access Services are developed on an individual case basis. Such rates and charges for Special Facilities Routing of Access Services are as set forth in Section 17.4.7 following and are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

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## ACCESS SERVICE

12. Specialized Service or Arrangements12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis, if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

Rates and charges and additional regulations, if applicable, for Specializes Service or Arrangements, are provided on an individual case basis and are as set forth in Section 17.4.8 following.

## ACCESS SERVICE

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (i.e., 8:00 AM to 5:00 PM) for the application of rates based on working hours.

13.1 Additional Engineering

Additional Engineering, including engineering reviews as set forth in Section 5.4.1 preceding, will be undertaken only after the Telephone Company has notified the customer that additional engineering charges apply as set forth in Section 17.4.2 following, and the customer agrees to such charges.

Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in Section 6.1.5 and Section 7.1.6 preceding.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in Section 7.1.2 preceding.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.1 Additional Engineering (Cont'd)

- (C) A customer requested Design Change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Telephone Company for the engineering review as set forth in Section 5.4.1(B) preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a Design Change is indeed required, will apply whether or not the customer authorizes the Telephone Company to proceed with the Design Change. In this case the Design Change charge, as set forth in Section 17.4.1(B) following, does not apply unless the customer authorizes the Telephone Company to proceed with the Design Change.

13.2 Additional Labor

Additional Labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in Sections 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in Section 17.4.3 following will apply before any additional labor is undertaken. When provisioning or restoring Telecommunications Service Priority services, the Telephone Company will, when possible, notify the customer of the applicability of these Additional Labor charges.

13.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort outside of normally scheduled working hours.

13.2.2 Overtime Repair

Overtime repair is that Telephone Company repair effort performed outside of normally scheduled working hours.



## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.2 Additional Labor (Cont'd)13.2.3 Stand by

Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

13.2.5 Other Labor

Other labor is that additional labor not included in Sections 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services13.3.1 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in Section 17.4.4 following. Other testing services, as described in Sections 6.2.4 and 7.1.7 preceding, are provided by the Telephone Company in association with Access Services and are furnished at no additional charge.

Testing Services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (B)(2) following for a customer to request Telephone Company personnel to perform testing services at the customer designated premises.

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A) and (B) following.

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service (i.e., Acceptance Tests), (b) tests which are performed after customer acceptance of such access services and which are without charge (i.e., routine testing), and (c) additional tests which are performed during or after customer acceptance of such access services and for which additional charges apply (i.e., Additional Cooperative Acceptance Tests and in-service tests).

Routine tests are those tests performed by the Telephone Company on a regular basis, as set forth in Section 6.2.4 preceding which are required to maintain Switched Access Service.

## ACCESS SERVICE

13 Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)

Additional in-service tests may be done on an automatic basis (i.e., no Telephone Company or customer technicians involved), or on a manual basis (i.e., Telephone Company technician(s) involved at Telephone Company office(s) and Telephone Company or customer technician(s) involved at the customer designated premises).

Testing Services are ordered to the Dial Tone Office for FGA, to the access tandem or end office for FGB (wherever the FGB service is ordered) and to the end office for FGC and FGD. Testing Services for Directory Assistance Service not routed through an access tandem are ordered to a Directory Assistance Location for each NPA.

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing of Switched Access Service involves the Telephone Company provision of a technician at its office(s) and the customer provision of a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

The rates for Additional Cooperative Acceptance Testing are as set forth in Section 17.4.4(A) following.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(2) Additional Automatic Testing

Additional Automatic Testing (AAT) of Switched Access Service (FGB, FGC and FGD), is a service where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The customer may order, at additional charges, Gain-Slope and C-Notched Noise Testing and may order the routine tests (1004 Hz loss, C-Message Noise and Balance) on an as needed or more than routine schedule.

The Telephone Company will provide an AAT report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

The Additional Tests (i.e., Gain Slope, C-Notched Noise, 1004 Hz loss, C-Message Noise and Balance) may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule.

The rates for Additional Automatic Tests are as set forth in Section 17.4.4(B) following.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(3) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (FGA, FGB, FGC and FGD and Directory Access Service not routed through an access tandem), is a service where the Telephone Company provides a technician at its office(s) and the Telephone Company or customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests. Such additional tests will normally consist of Gain-Slope and C-Notched Noise testing. However, the Telephone Company will conduct any additional tests which the IC may request.

The Telephone Company will provide an AMT report listing the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on a per occurrence basis.

The Additional Manual Tests may be ordered by the customer at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

The rates for Additional Manual Testing are as set forth in Section 17.4.4(C) following.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(4) Obligations of the Customer

- (a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support routine testing as set forth in Section 6.2.4(B) preceding or AAT as set forth in Section 13.3.1(A)(2) preceding.
- (b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(B) Special Access Service

The Telephone Company will provide assistance in performing specific tests requested by the customer.

(1) Additional Cooperative Acceptance Testing

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services. At the customer's request, the Telephone Company will provide a technician at the customer's premises or at the end user's premises. These tests may, for example, consist of the following:

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., a harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

The rates for Additional Cooperative Acceptance Testing are as set forth in Section 17.4.4(D) following.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(B) Special Access Service (Cont'd)(2) Additional Manual Testing

The Telephone Company will provide a technician at its premises, and the Telephone Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

The rates for Additional Manual Testing are as set forth in Section 17.4.4(E) following.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at time mutually agreed upon.

13.3.2 Maintenance of Service

- (A) When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities the customer shall be responsible for payment of a Maintenance of Service Charge as set forth in Section 17.4.4(B) following for the period of time from when Telephone Company personnel are dispatched, at the request of the customer, to the customer designated premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.



## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.2 Maintenance of Service (Cont'd)

- (B) The customer shall be responsible for payment of a Maintenance of Service Charge when the Telephone Company dispatches personnel to the customer designated premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

The rates for Maintenance of Service are as set forth in Section 17.4.4(F) following.

13.3.3 Telecommunications Service Priority - TSP

- (A) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC) Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1).

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Telecommunications Service Priority - TSP (Cont'd)

## (A) (Cont'd)

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications services, and requires and authorizes priority action by the Telephone Company providing such services.

For Switched Access Service, the TSP System's applicability is limited to those services which the Telephone Company can discreetly identify for priority provisioning and/or restoration.

- (B) A Telecommunications Service Priority Charge applies as set forth in Section 17.4.4(G) when a request to provide or change a Telecommunications Service Priority is received subsequent to the issuance of an Access Order to install the service.

A Telecommunications Service Priority Charge does not apply when a Telecommunications Service Priority is discontinued or when ordered coincident with an Access Order to install or change service.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Telecommunications Service Priority - TSP (Cont'd)

(B) (Cont'd)

In addition, Additional Labor rates as set forth in Section 17.4.3 may be applicable when provisioning or restoring Switched or Special Access Services with Telecommunications Service Priority.

When the customer requests an audit or a reconciliation of the Telephone Company's Telecommunications Service Priority records. Additional Labor rates as set forth in Section 17.4.3 are applicable.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription13.4.1 InterLATA Presubscription

Pursuant to the Federal Communications Commission's Memorandum Opinion and Order, CC Docket No. 83-1145, Phase I, adopted May 31, 1985, and released June 12, 1985, the Allocation Plan, outlined in the Appendix B of this Order, will be available for inspection in the Public Reference Room of the Tariff Division at the Federal Communications Commission's Washington, D.C., location or may be obtained from the Commission's commercial contractor.

- (A) Presubscription is the process by which end user customers may select and designate to the Telephone Company an IC to access, without an access code, for interLATA, intrastate calls. This IC is referred to as the end user's predesignated IC.
- (B) On the effective date of this tariff, all existing end users have access to intrastate MTS/WATS. No later than 85 days prior to conversion to FGD in a serving end office, the Telephone Company will notify end users of the availability of equal access in their particular area. The notification will include the names of all ICs wishing to participate in the presubscription process. This notification will be sent via U.S. Mail to each end user of record served by the end office to be converted.
- (C) End users may select one of the following options at no charge:
  - indicate a primary IC for all of its lines; or
  - indicate a different IC for each of its lines.

Only one IC may be selected for each line or lines terminating in the same hunt group.

End users may designate that they do not want to presubscribe to any IC. The end user must arrange this designation by directly notifying the Telephone Company's business office. This choice will require the end user to dial an access code (101XXX) for all interLATA, intrastate calls.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)13.4.1 InterLATA Presubscription (Cont'd)

## (C) (Cont'd)

After the end user's initial selection of a predesignated IC or the designation that they do not want to presubscribe to any IC, for any change in selection after conversion to Equal Access in the serving end office, a nonrecurring charge, as set forth in Section 17.4.5(A) following applies.

- (D) End users not responding to the initial notification will be sent a second notification for the selection of a predesignated IC no earlier than 40 days prior to or no later than 90 days after the conversion to Equal Access in a serving end office. This second notification will indicate the primary IC that has been assigned to them if they fail to respond to the second notification.

After the allocation process has been completed, end users assigned to an IC via the allocation process may change their IC one time within six months after conversion to Equal Access in the serving end office at no charge.

Following the six month period after conversion to Equal Access, for any change in selection, a nonrecurring charge as set forth in Section 17.4.5(A) following, applies.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)13.4.1 InterLATA Presubscription (Cont'd)

- (E) When an end user indicates more than one IC selection on the return notification or returns an illegible return notification, the Telephone Company will contact the end user for clarification. If the end user indicates an IC selection on the return notification that does not match with information provided by an IC and both notifications indicate the same authorization date, the end user's notification takes precedence and the Telephone Company will process the end user's selection. In the event that two or more ICs provide to the Telephone Company notifications with the same authorization date and neither notification has been processed, the Telephone Company will contact the end user for clarification. A list of these customers in conflict must be sent to the affected IC by the Telephone Company.

In the event that two or more ICs have provided to the Telephone Company notifications with the same authorization date(s), and one IC notification has already been processed by the Telephone Company, those IC notifications not yet processed would be returned to the ICs.

- (F) New end users, who are served by end offices equipped with FGD, will be asked to presubscribe to an IC at the time they place an order with the Telephone Company for Telephone Exchange Service. They may select either of the following options:
- designate a primary IC for all of its lines; or
  - designate a different IC for each of its lines.

There will be no charge for this initial selection.

Only one IC may be selected for each individual line, or lines terminating in the same hunt group. Subsequent to the installation of Telephone Exchange Service and after the end user's initial selection of a predesignated IC, for any change in selection, a nonrecurring charge, as set forth in Section 17.4.5(A) following applies.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)13.4.1 InterLATA Presubscription (Cont'd)

- (G) If the new end user fails to designate an IC as its predesignated IC prior to the date of installation of Telephone Exchange Service, the Telephone Company will (1) allocate the end user to an IC based upon current IC presubscription ratios, (2) require the end user to dial an access code (101XXXX) for all interLATA, intrastate calls, or (3) block the end user from interLATA, intrastate calling. The end user will be notified which option will be applied if they fail to presubscribe to an IC. An allocated or blocked end user may designate another or initial IC as its predesignated IC one time at no charge, if it is requested within six months after the installation of Telephone Exchange Service.

For any change in selection after six months from the installation of Telephone Exchange Service, a nonrecurring charge, as set forth in Section 17.4.5(A) following applies.

- (H) If an IC elects to discontinue its FGD Service offering prior to or within 2 years of the conversion, the IC will notify the Telephone Company of the cancellation. The IC will also notify all end users which selected them that they are canceling their service and that they should contact the Telephone Company to select a new primary IC. The IC will also inform the end user that it will pay the presubscription change charge. The canceling IC will then be billed by the Telephone Company the appropriate charge for each end user for a period of two years from the discontinuance of FGD service.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)13.4.2 IntraLATA Presubscription

Pursuant to Public Utility Commission Substantive Rule §23.103 and in compliance with the implementation plan filed with the Public Utility Commission, the Telephone Company must implement intraLATA equal access (intraLATA presubscription) no later than February 8, 1999.

- (A) IntraLATA presubscription is the process by which end user customers may select and designate the Telephone Company an IC to access, without an access code, for intraLATA, intrastate calls. This IC is referred to as the end user's intraLATA predesignated IC (PIC.)
- (B) End users may select the same, or different PIC for interLATA and intraLATA, intrastate calls.
- (C) End users may select one of the following options prior to Telephone Company implementation of intraLATA equal access, or within six months after implementation of intraLATA equal access, at no charge:
  - indicate an intraLATA PIC for all of its lines; or
  - indicate a different intraLATA PIC for each of its lines.

Only one intraLATA PIC may be selected for each line or lines terminating in the same hunt group.

An existing end user who does not make an intraLATA PIC selection when intraLATA equal access becomes available shall default to the Telephone Company for intraLATA calls if the Telephone Company is an intraLATA toll provider. Otherwise, the end user shall be required to dial a carrier access code to route his intraLATA toll calls to the carrier of his choice until he make a permanent, affirmative selection for his intraLATA PIC.



## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.4 Presubscription (Cont'd)13.4.2 IntraLATA Presubscription (Cont'd)

## (C) (Cont'd)

After the end user's initial selection of an intraLATA PIC, for any change in selection after conversion to intraLATA equal access, a nonrecurring charge, as set forth in Section 17.4.5(A) following, applies.

- (D) New end user customers will be asked to select an intraLATA PIC at the time they place an order with the Telephone Company for Telephone Exchange Service. They may select either of the following options at no charge:

- designate an intraLATA PIC for all of its lines; or
- designate a different intraLATA PIC for each of its lines.

Only one intraLATA PIC may be selected for each line or lines terminating in the same hunt group.

A new end user customer who does not make an intraLATA PIC selection shall be required to dial a carrier access code to route his intraLATA toll calls to the carrier of his choice until he make a permanent, affirmative selection for his intraLATA PIC.

Subsequent to the installation of Telephone Exchange Service and after the end user's initial selection of an intraLATA PIC, for any change in selection, a nonrecurring charge, as set forth in Section 17.4.5(A) following applies.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.4 Presubscription (Cont'd)

13.4.2 IntraLATA Presubscription (Cont'd)

- (E) If an end user selects more than one intraLATA PIC, the Telephone Company shall process the PIC with the latest end user authorization date.
- (F) An end user may request the Telephone Company to freeze his interLATA or intraLATA PIC, or both. An end user account carrying an interLATA PIC freeze indicator shall not be automatically frozen by the Telephone Company for the end user's intraLATA PIC selection.

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14. Exceptions to Access Service Offerings..... 2

ACCESS SERVICE

14. Exceptions to Access Service Offerings

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

- Reserved for future use.

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## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications15.1 Switched Access Service

Ten Interface Groups are provided for terminating the Local Transport Entrance Facility at the customer's designated premises. Each Interface Group provides a specified premises interface (i.e., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, and at the option of the customer, the Entrance Facility may be provided with optional features as set forth in Section 15.1.1 following.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer designated premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer designated premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer designated premises are digital, then Telephone Company channel bank equipment must be placed at the customer designated premises in order to provide the voice frequency interface ordered by the customer.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups

Interface Groups are combinations of technical parameters which describe the Telephone Company handoff at the point of termination at the customer designated premises. The technical specifications concerning the available interface groups are set forth in (A) through (D) following.

Interface Group 1 is provided with Type C Transmission Specifications, as set forth in Section 15.1.2(C) following, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, as set forth respectively in Section 15.1.2(E) and (F) following, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer designated premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups.

(A) Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(A) Interface Group 1 (Cont'd)

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.



## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(B) Interface Group 2 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(C) Interface Groups 3 through 5

Interface Groups 3 through 5 provide analog transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the frequencies illustrated following, with the capability to channelize voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Groups are reserved for Telephone Company use, (i.e., pilot and carrier group alarm tones). Before the first point of switching, the Telephone Company will provide multiplex equipment to derive the transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interfaces are provided with individual transmission path SF supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Transmission Frequency Bandwidth</u>	<u>Analog Hierarchy Level</u>	<u>Maximum No. of Channelized Voice Frequency Trans. Paths</u>
3	60 - 108 kHz	Group	12
4	312 - 552 kHz	Supergroup	60
5	564 - 3084 kHz	Mastergroup	600

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(D) Interface Groups 6 through 10

Interface Groups 6 through 10 provide digital transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the nominal bit rates illustrated following, with the capability to channelize voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal(s) in D3/D4 format.

The interfaces are provided with individual transmission path bit stream supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>	<u>Maximum No. of Channelized Voice Frequency Trans. Paths</u>
6	1.544	DS1	24
7	3.152	DS1C	48
8	6.312	DS2	96
9	44.736	DS3	672
10	274.176	DS4	4032

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(E) Local Transport Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following features in association with Local Transport.

When Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply.

- Customer Specified Entry Switch Receive Level

Customer Specified Entry Switch Receive Level allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference GR-334-CORE. This feature is available with Interface Groups 2 through 10 for FGA and FGB.

- Customer Specification of Local Transport Termination

Customer Specification of Local Transport Termination allows the customer to specify, for FGB routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the first point of switching in lieu of a Telephone Company selected two-wire termination. This option is available only when the FGB arrangement is provided with Type B Transmission Specifications.

- Supervisory Signaling

Supervisory Signaling allows the customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(E) Local Transport Optional Features (Cont'd)- Supervisory Signaling (Cont'd)

The Interface Groups, as described in (A) through (D) preceding, represent industry standard arrangements. Where transmission parameters permit, the customer may select the following optional signaling arrangements in place of the signaling arrangements standardly associated with the Interface Groups.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(E) Local Transport Optional Features (Cont'd)- Clear Channel Capability

Clear Channel Capability allows the customer to transport voice or data signals over a 64 Kbps channel with no constraints on the quantity or sequence of ones and zero bits. This option employs the Bipolar 8 Zero Suppression (B8ZS) technique to permit customers to use the full 64 Kbps bandwidth of a DS0 channel. It is only available in suitably equipped electronic end offices as identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Clear Channel Capability, as described in Technical Reference GR-334-CORE, is available with Interface Groups 6 and 9 for FGC and FGD with Signaling System 7 (SS7) signaling.

For Interface Groups 1 and 2 associated with FGB, FGC or FGD:

DX Supervisory Signaling,  
E&M Type I Supervisory Signaling,  
E&M Type II Supervisory Signaling, or  
E&M Type III Supervisory Signaling.

- For Interface Group 2 associated with FGB, FGC or FGD and in addition to the preceding:

SF Supervisory Signaling, or  
Tandem Supervisory Signaling.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(E) Local Transport Optional Features (Cont'd)

- For Interface Groups 3 through 5:

Optional Supervisory Signaling Not Available.

- For Interface Groups 6 through 10:

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the first point of switching provides an analog (i.e., non digital) interface to the transport termination.

These optional Supervisory Signaling arrangements are not available in combination with the SS7 optional feature as described in Section 6.8.2(C)(2), preceding.

Additionally, in (F) following, there is a matrix of available Premises Interface Codes as a function of Interface Group, Telephone Company Switch Supervisory Signaling and Feature Group.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes

Following is a matrix showing premises interface codes which are available for each Interface Group. Their availability is a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Facility Interface Codes and Options as set forth in Section 15.2.3(A) following.

<u>Interface Group</u>	<u>Telephone Company Switched Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	LO, GO	2DX3	X			
	LO, GO	4EA3-E	X			
	LO, GO	4EA3-M	X			
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	X			
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC3			X	X
	RV	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	SS7	2N02			X	X
2	LO, GO	4SF2	X			
	LO, GO	4SF3	X			
	LO	4LS2	X			
	LO	4LS3	X			
	LO	6LS2	X			

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switched Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
2 (Cont'd)	GO	4GS2	X			
	GO	4GS3	X			
	GO	6GS2	X			
	LO, GO	4DX2	X			
	LO, GO	4DX3	X			
	LO, GO	6EA2-E	X			
	LO, GO	6EA2-M	X			
	LO, GO	8EB2-E	X			
	LO, GO	8EB2-M	X			
	LO, GO	6EX2-B	X			
	RV, EA, EB, EC	4SF2		X	X	X
	RV, EA, EB, EC	4SF3		X	X	X
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	4DX3		X	X	X
	RV, EA, EB, EC	6DX2		X	X	X
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	RV, EA, EB, EC	8EB2-M		X	X	X
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	RV	4RV3-O		X	X	X
	RV	4RV3-T		X	X	X
	SS7	4N02			X	X
3	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
	SS7	4AH5-B			X	X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
	SS7	4AH6-C			X	X
5	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
	SS7	4AH6-D			X	X



## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.1 Local Transport Interface Groups (Cont'd)(F) Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switched Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
	SS7	4DS9-15L			X	X
7	LO, GO	4DS9-31	X			
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31		X	X	X
	RV, EA, EB, EC	4DS9-31L		X	X	X
	SS7	4DS9-31			X	X
8	LO, GO	4DS0-63	X			
	LO, GO	4DS0-63L	X			
	RV, EA, EB, EC	4DS0-63		X	X	X
	RV, EA, EB, EC	4DS0-63L		X	X	X
	SS7	4DS0-63			X	X
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
	SS7	4DS6-44			X	X
10	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	X
	RV, EA, EB, EC	4DS6-27L		X	X	X
	SS7	4DS6-27			X	X

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications

Descriptions of the transmission specifications available with each Feature Group as a function of the Interface Group selected by the customer, are set forth in (A) through (D) following. Descriptions of each of these Standard Transmission Specifications and the two Data Transmission Parameters mentioned are set forth respectively in (E) through (G) following and Section 15.1.3(A) and (B) following:

(A) Feature Group A (FGA)

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(B) Feature Group B (FGB)

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(C) Feature Group C (FGC)

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer designated premises and the end office when directly routed to the end office, and between the customer designated premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

## ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.1 Switched Access Service (Cont'd)15.1.2 Standard Transmission Specifications (Cont'd)(D) Feature Group D (FGD)

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed to the end office either Type B or C is provided.
- When routed to an access tandem only Type A is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2 through 10.

Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer designated premises and the end office when directly routed to the end office. Type DA Data Transmission Parameters are provided for the transmission path between the customer designated premises and the access tandem and between the access tandem and the end office when routed via an access tandem.