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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (B) Toll Free Code (TFC) Access Service (Cont'd)
 - (1) Description (Cont'd)

The provision of TFC Access Service requires access to the TFC Service Management System (TFC SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS. When TFC Access Service orginates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one access tandem is involved in the transport of a TFC Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-TFC switched access traffic except as follows. Combining TFC Access Service traffic with the customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the TFC data base query. When required by network considerations, a separate trunk group must be established for TFC Access Service.

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

<u>Switched Access Service</u> (Cont'd)

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- Provision and Description of Switched Access Service Feature Groups (Cont'd) Public Service Commission
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (T)Toll Free Code (TFC) Access Service (Cont'd) (B)
 - <u>Description</u> (Cont'd) (1)

The provision of TFC Access Service requires access to the TFC Service Management System (TFC (T) SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS. When TFC Access Service orginates from an end office equipped (T)with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates (T)from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the (T)TFC data base query function may only be served via an access tandem over FGD trunks or TFC (T)Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. either case, when more than one access tandem is (T)involved in the transport of a TFC Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's (T)TFC Access Service traffic may, at the option of the customer, be combined in the same trunk (T)group arrangement with the customer's non-TFC switched access traffic except as follows. Combining TFC Access Service traffic with the (T)customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the TFC data base query. (\top) When required by network considerations, a separate trunk group must be established for TFC (T)Access Service.

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March 27, 1996

BY: John L. Roe

April 29, 1996

Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Service Feature

 Groups (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

MAR 31 1993

(B) 800 Access Service (Cont'd)

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(1) <u>Description</u> (Cont'd)

The provision of 800 Access Service requires access to (1) the 800 Service Management System (800 SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the 800 SMS. When 800 Access Service orginates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When 800 Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the 800 data base query function may only be served via an access tandem over FGD trunks or 800 Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one access tandem is involved in the transport of an 800 Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's 800 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-800 switched access traffic except as follows. Combining 800 Access Service traffic with the customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the 800 data base query. When required by network considerations, a separate trunk group must be established the Access Service.

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ISSUED: March 31, 1993 BY: John L. Roe

Vice President - Administration
5454 West 110th Street

Overland Park, Kansas 66211

EFFECTIVE: May 1, 1993

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ACCESS SERVICE

6. Switched Access Service (Cont'd) Public Schrist Commission

- 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) 800 Access Service (Cont'd)

Joint provided 800 Access Service is an offering which requires 800 traffic to complete on either intrastate WATS Access Line Service as described in (A) preceding or on interstate WATS Access Line Service which carries both interstate and intrastate 800 traffic as described in the Telephone Company's Interstate Access tariff FCC No. 5. Under joint provided 800 Access service, the Telephone Company will bill the 800 Access Service customer Switched Access rates for MAN Service Commission the Wide Area Telecommunications Service Tariff.

Non-joint provided 800 Accommunications Service Tariff.

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intrastate WATS Access Line Service as described in (A) preceding, interstate and intrastate 800 traffic as provisioned in the Telephone Company's Interstate Access tariff FCC No. 5, common lines, Special Access, or customer provided facilities. Under non-joint provided 800 Access Service, the Telephone Company will bill the 800 Access Service customer Switched Access rates for originating intrastate 800 usage.

Terminating usage and/or a line charge will be billed according to the type of facility arrangement utilized for termination and completion of the 800 Access Service call.

Unless prohibited by technical limitations (e.g., different dialing plans), originating 800 Access Service traffic may, at the option of the customer, be combined in the same Feature Group B, C or D trunk group with the customer's other Access Service traffic. However, when Feature Group D becomes available in an end office, originating 800 Access" Service traffic from that end office must be provided with Feature Group D.

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BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (B) Toll Free Code (TFC) Access Service (Cont'd)
 - (1) <u>Description</u> (Cont'd)

The TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.3(D) preceding and 6.2.5(B) (3) following also apply.

(2) <u>Technical Specifications</u>

TFC Access Service trunk groups are 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 Bi is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

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Missouri Public Service Commission

ACCESS SERVICE

6. Switched Access Service (Cont'd)

- **REC'D MAY 03** 2000
- 6.2 <u>Provision and Description of Switched Access Service Feature</u>
 Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) Toll Free Code (TFC) Access Service (Cont'd)
 - (1) Description (Cont'd)

The TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.3(D) preceding and 6.2.5(B) (3) following also apply.

(2) Technical Specifications

TFC Access Service trunk groups are 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 Bi is provided with Interface Groups 2, 6 and 9, whether routed directly to an end office or to an access tandem.

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Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

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ISSUED: May 3, 2000 Richard D. Lawson
State Executive, External Affairs

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6. Switched Access Service (Cont'd)

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- Provision and Description of Switched Access Service Feature Groups (Cont'd) MISSOURI 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - - Toll Free Code (TFC) Access Service (Cont'd)

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Description (Cont'd) (1)

> The TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.3(D) preceding and 6.2.5(B) (3) following also apply.

(2) Technical Specifications

TFC Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

(T)

- 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 Bi is provided with Interface Groups 2 through 10, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

MAR 31 1993

(B) 800 Access Service (Cont'd)

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(1) <u>Description</u> (Cont'd)

The 800 Access Service Data Base Query Charge, and the (7) 800 Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.3(D) preceding and 6.2.5(B)(3) following also apply.

(2) <u>Technical Specifications</u>

800 Access Service trunk groups are 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.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 800 Access Service.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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- 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) 800 Access Service (Cont'd)

In addition, when required by technical limitations, or at the request of the customer, a separate Feature Group B, C or D trunk group may be established for originating 800 Access Service type calls.

The customer may use Feature Groups A, B, C, or D to terminate an 800 Access Service call. When Feature Group C or D is used to terminate 800 Access Service, the customer is required to deliver 800 Access Service calls to the Telephone Company in standard POTS number North American Numbering Plan format.

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) Toll Free Code (TFC) Access Service (Cont'd)
 - (3) TFC Data Base Optional Service Features

In addition to the 1+TFC-NXX-XXXX call routing described in (1) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(a) TFC to Local Exchange Number Translation

This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the TFC number and indicate to which carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+TFC-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

(b) <u>Customized TFC Call Routing</u>

This option allows for routing to multiple carriers, except as specified in Section 6.2.5(B) (1), or variable terminating locations for TFC call completion based on the following criteria:

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- 6. <u>Switched Access Service</u> (Cont'd)
 - Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)

follows:

Toll Free Code (TFC) Access Service (Cont'd)

additional call routing service options as

- (3) TFC Data Base Optional Service Features (\top) (T)In addition to the 1+TFC-NXX-XXXX call routing described in (1) preceding, at the customer's option, the Telephone Company will perform
 - TFC to Local Exchange Number Translation (T)(a)
 - (\top) This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a (T)TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated
 - with the TFC number and indicate to which carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional
 - unable to determine that such calls originated as 1+TFC-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

feature is used, the customer will be

- (b) Customized TFC Call Routing
 - This option allows for routing to multiple carriers, except as specified in Section 6.2.5(B) (1), or variable terminating locations for TFC call completion based on (T)the following criteria:

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5454 West 110th Street Overland Park, Kansas 66211

ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Service Feature
 Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd) MAR 31 1993
 - (B) 800 Access Service (Cont'd)

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(3) 800 Data Base Optional Service Features

In addition to the 1+800-NXX-XXXX call routing described in (1) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(a) 800 to Local Exchange Number Translation

This option allows an 800 Access Service customer to specify standard local exchange telephone numbers for 800 call completion at the terminating end. When an 800 call is to be routed to a local exchange telephone number, the 800 Access Service customer must provide to its Responsible Organization or to the 800 SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the 800 number and indicate to which carrier the local exchange telephone number is to be delivered. If the 800 to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls orginated as 1+800-NXX-XXXX dialed calls unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

(b) <u>Customized 800 Call Routing</u>

This option allows for routing to multiple carriers, except as specified in Section 6.2.5(B)(1), or variable terminating locations for 800 call completion based on the following criteria:

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ACCESS SERVICE

- Switched Access Service (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) Toll Free Code (TFC) Access Service (Cont'd)
 - (3) TFC Data Base Optional Service Features (Cont'd)
 - (b) <u>Customized TFC Call Routing</u> (Cont'd)
 - time of day
 - time of week
 - specific days of the year (e.g., December 25)
 - percentage of traffic (in one percent increments)
 - calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, TFC calls can be delivered to the carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the TFC SMS or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

- (C) Interim 500 Access Service
 - (1) Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the

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- б. Switched Access Service (Cont'd)
 - Provision and Description of Switched Access Servi Tömmiss': -Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - Toll Free Code (TFC) Access Service (Cont'd)
 - (T)(3) TFC Data Base Optional Service Features (Cont'd)
 - Customized TFC Call Routing (Cont'd)
 - time of day
 - time of week
 - specific days of the year (e.g., December 25)
 percentage of traffic (in one percent
 - increments)
 - calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, TFC calls can be delivered to the carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the TFC SMS or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

(C) Interim 500 Access Service

Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the Comment customer identification function based on the

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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

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- 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont NO. PUBLIC SERVICE COMM.
 - (B) 800 Access Service (Cont'd)
 - (3) 800 Data Base Optional Service Features (Cont'd)
 - (b) <u>Customized 800 Call Routing</u> (Cont'd)
 - time of day
 - time of week
 - specific days of the year (e.g., December 25)
 - percentage of traffic (in one percent increments)
 - calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, 800 calls can be delivered to the carrier in either the direct dialed 800 number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the 800 SMS or provide such information to its Responsible Organization for handling.

The rates for the 800 Data Base Optional Service Features described above are applied on a per query basis of service forth in Section 6.8.4(B) following. When continue on of one or more of the optional features is requested, only one such charge shall apply.

(C) <u>Interim 500 Access Service</u>

(1) Description

Interim 500 Access Service in all of Service Commission service providing the customer identification (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based con the

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95 BY: John L. Roe Fel Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

MAR 31 1993

- 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (B) 800 Access Service (Cont'd)

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- (3) 800 Data Base Optional_Service Features
 - (b) <u>Customized 800 Call Routing</u> (Cont'd)
 - time of day
 - day of week
 - specific days of the year (e.g., December 25)
 - percentage of traffic (in one percent increments)
 - calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option,800 calls can be delivered to the carrier in either the direct dialed 800 number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the 800 SMS or provide such information to its Responsible Organization for handling.

The rates for the 800 Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (C) Interim 500 Access Service (Cont'd)
 - (1) <u>Description</u> (Cont'd)

dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/ tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/ tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

6. Switched Access Service (Cont'd)

Missouri Public

- 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd) JAN 1 5 2002
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

Service Commission

- (C) Interim 500 Access Service (Cont'd)
 - (1) Description (Cont'd)

dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/ tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/ tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in *Technical Reference Publication FR-64*. This option is available in technically capable equal access offices.

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Missouri Public

FILED FEB 15 2002

Service Commission

ISSUED: January 15, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 15, 2002

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ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - Provision and Description of Switched Access Service Reature 95 Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd) Interim 500 Access Service (Cont'd) MO. PUBLIC SERVICE COMM.
 - (C)
 - (1)Description (Cont'd)

dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or via an equal access tandem on existing trunk groups. offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in TR-TSY-00064 (LSSGR). This option is available in technically capable equal access offices.

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Public Service Commission MISSOURI

MISSEEFECTIVE: Vice President - Carrier and Regulatory Services That Supplies Commission, January 11, 1995 Overland Park, Kansas 66211

Second Revised Page 202.4 Cancels First Revised Page 202.4

ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (C) Interim 500 Access Service (Cont'd)
 - (1) <u>Description</u> (Cont'd)

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap out-pulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Additionally, nonrecurring charges as specified in 6.1.3(F) preceding and 6.8.7 following also apply.

Pass-through charges apply to query information provided to the Telephone Company by connecting local exchange companies in order to perform the translations required to complete Interim 500 Access Service calls. The pass-through charges will be provided to the Telephone Company by the connecting local exchange company. Pass-through rates set forth in Section 6.8.7 following, and are applied on a per query basis.

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Service Commission
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Director - State Regulatory
5454 W. 110th Street
Overland Park, Kansas 66211

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ACCESS SERVICE

Switched Access Service (Cont'd)

JUN 5 1995

- 6.2 Provision and Description of Switched Access Service Feature
 Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (C) Interim 500 Access Service (Cont'd)
 - (1) <u>Description (Cont'd)</u>

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Additionally, nonrecurring charges as specified in 6.1.3(F) preceding and 6.8.7 following also apply.

Pass-through charges apply to query information provided to the Telephone Company by connecting local exchange companies in order to perform the translations required to complete Interim 500 Access Service calls. The pass-through charges will be provided to the Telephone Company by the connecting local exchange company. Pass-through rates set forth in Section 6.8.7 following, and are applied on a per query basis.

FILED

JUL 1 5 1995

MISSOURI Public Service Commission

ISSUED: June 5, 1995

BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE:

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April 30, 2007 Missouri Public Service Commission

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ACCESS SERVICE

6. Switched Access Service (Cont'd) 11 1995

Provision and Description of Switched Access Service Feature Groups (Cont'd)

MO. PUBLIC SERVICE COMM.

6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

Interim 500 Access Service (Cont'd)

Description (Cont'd) (1)

> Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted CANCELLED

Additionally, nonrecurring charges as specified in 6.1.3(F) preceding and 6.8.7 following also apply. JUL 151995

Technical Specifications (2)

10+R.S #2021 provided with either Type B or Typeusic Service Commission Transmission Specifications as follows: MISSOURI

- 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service

FEB 11 1995

EFFECTIVE: BY: John L. Roe Vice President - Carrier and Regulatory Services Public Service Commission Overland Park, Kansas 66211

TSSUED:

January 11, 1995

Third Revised Page 202.5 Cancels Second Revised Page 202.5

ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (C) Interim 500 Access Service (Cont'd)
 - (2) Technical Specifications

Interim 500 Access Service trunk groups are 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, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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Second Revised Page 202.5 Cancels First Revised Page 202.5

ACCESS SERVICE

Missouri Public

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups (Contid)</u> N 0 7 2002
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd) Service Commission
 - (C) Interim 500 Access Service (Cont'd)
 - (2) Technical Specifications

Interim 500 Access Service trunk groups are 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, 6 and 9, whether routed directly to an end office or to an access tandem.

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Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

Missouri Public

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Service Commission

ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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April 30, 2007 Missouri Public Service Commission

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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

JUN 5 1995

- 6.2 Provision and Description of Switched Access Service Feature
 Groups (Cont'd) MO. PUBLIC SERVICE COMM.
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (C) <u>Interim 500 Access Service</u> (Cont'd)
 - (2) Technical Specifications

Interim 500 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- ice
- 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

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Public Service Commissions

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Public Service Commissions

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JUL 1 5 1995

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ISSUED: June 5, 1995

BY: John L. Roe
Vice President - Carrier and Regulatory Services
5454 West 110th Street
Overland Park, Kansas 66211

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ACCESS SERVICE

Switched Access Service (Cont'd)

JAN 11 1995

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6.2 Provision and Description of Switched Access Service Feature

Groups (Cont'd)

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6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

(D) 900 Access Service

(1) <u>Description</u>

Originating 900 Access Service is a Portion Rede Commission switched service that is available bicker south customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC, or FGD services. When combined with FGB, FGC, or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk group dendres 900 Access Service 2115. which are routed through operator services will be delivered at the equal access tandem over FGC or FGD. At the customer's option, 900 Abcess 1995 Service can be provided from both equal access

ISSUED: January 11, 1995

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5 BY: John L. Roe February VID 1995

Vice President - Carrier and Regulatory Services Dlic Service Commission

5454 West 110th Street

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Second Revised Page 202.6 Cancels First Revised Page 202.6

ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (D) 900 Access Service
 - (1) Description

Originating 900 Access Service is a trunk side switched service that is available to the customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC, or FGD services. When combined with FGB, FGC, or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC. may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk group handles 900 Access Service. 900 Access Service calls which are routed through operator services will be delivered at the equal access tandem over FGC

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

JUN 5 1995

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- 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service (Cont. d) CSERVICE COMM.
 - 900 Access Service
 - (1)Description

Originating 900 Access Service is a trunk side switched service that is available to the customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC, or FGD services. When combined with FGB, FGC, or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and 800 Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access
Service can be provided through an existing trunk group or separate FGC trunk group handled the service calls which are routed through operator services will be delivered at the equal access tailed a well of the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access tailed and the services will be delivered at the equal access to the services are the services and the services are the services are the services and the services are the ser

ISSUED: June 5, 1995

Public Service FRANKSion BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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April 30, 2007 Missouri Public Service Commission

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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd) JAN 11 1995

- Provision and Description of Switched Access Service Feature Groups (Cont'd) MO. PUBLIC SERVICE GOMM.
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - 900 Access Service (Cont'd) (D)
 - Description (Cont'd) (1)

JUL 151995 non-equal access end office switches over an Estimmissio trunk group from the access tandem to travice commissio customer's premises if the customer access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from coin telephones, 0+, 0-, 10XXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in TR-TSY-00064 (LSSGR). This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) Technical Specifications

900 Access Service trunk groups are provided with either Type B or Type C Transmiss for 11 1995 Specifications as follows:

When routed directly to the end officeURI either Type B or Type C is provided COMMISSION

EFFECTIVE: ISSUED: BY: John L. Roe February 11, 1995 January 11, 1995 Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

Sixth Revised Page 202.7 Cancels Fifth Revised Page 202.7

ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (D) 900 Access Service (Cont'd)
 - (1) <u>Description</u> (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, O-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) Technical Specifications

900 Access Service trunk groups are 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.

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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Fifth Revised Page 202.7 Cancels Fourth Revised Page 202.7

Missouri Public

ACCESS SERVICE

6. Switched Access Service (Cont'd)

RECD JAN 15 2002

6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)

Service Commission

(H)

6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)

(D) 900 Access Service (Cont'd)

(1) Description (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, O-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in *Technical Reference Publication FR-64*. This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) Technical Specifications

900 Access Service trunk groups are 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.

Missouri Public

FILED FEB 15 2002

Richard D. Lawson
State Executive, External Affairs
319 Madison

Jefferson City, MO 65101

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April 30, 2007 Missouri Public Service Commission

6. Switched Access Service (Cont'd)

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- 6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service (Cont'd)</u>

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(D) 900 Access Service (Cont'd)

MO. PUBLIC SERVICE COMM

(1) Description (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, 0-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

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At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in TR-TSY-00064 (LSSGR). This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) Technical Specifications

900 Access Service trunk groups are 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.

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MISSOURI Public Service Commission

ISSUED: July 2, 1998 BY: Richard Lawson
State Executive, External Affairs
319 Madison
Jefferson City, MO 65101

EFFECTIVE: August 3, 1998

ACCESS SERVICE

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- Switched Access Service (Cont'd)
 - Provision and Description of Switched Access Service Feature N 1 5 1997 <u>Groups</u> (Cont'd)
 - Miscellaneous Switched Access Service (Cont'd) MIOGUUTI 6.2.5
 - (D) 900 Access Service (Cont'd)
 - (1) Description (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, 0-, 10XXX or 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in TR-TSY-00064 (LSSGR). This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring charges as specified in 6.1.3(E) preceding and 6.8.5 following also apply.

(2) <u>Technical Specifications</u>

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900 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

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When routed directly to the end office either Type B or Type C is provided MO.PUBLICSERVICECOMM

ISSUED: January 15, 1997

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BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street

Overland Park, Kansas 66211

EFFECTIVE:

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Second Revised Page 202.7 Cancels First Revised Page 202.7

ACCESS SERVICE

Switched Access Service (Cont'd)

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- Provision and Description of Switched Access Service F5.1995 Groups (Cont'd)
 - 6.2.5 Miscellaneous Switched Access Service MB PUBLIC SERVICE COMM.
 - 900 Access Service (Cont'd)
 - (1) Description (Cont'd)

or FGD. At the customer's option, 900 Access Service can be provided from both equal access non-equal access end office switches over an FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from coin telephones, 0+, 0-, 10XXXX or 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in TR-TSY-00064 (LSSGR). This option is available in technically capable equal access offices.

900 Access Service originating from equal access end offices with the customer identification signaling with overlap outpulsing and ten digit and. 900 Access Service originating from equal access end offices without the court function will be provided using exchange access identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits. Additionally, nonrecurring char specified in 6.1.3(E) preceding and 6.8 following also apply.

(2) Technical Specifications

> 900 Access Service trunk groups are profiled 5 1995 with either Type B or Type C Transmission Specifications as follows: MISSOURI

When routed directly to the end Service Commission either Type B or Type C is provided.

ISSUED: June 5, 1995

BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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6.2 Provision and Description of Switched Access Service Feature
Groups (Cont'd)

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6.2.5 Miscellaneous Switched Access Service (Cont'd)

- (D) 900 Access Service (Cont'd)
 - (2) Technical Specifications (Cont'd)
 - 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

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ISSUED: January 11, 1995

BY: John L. Roe

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Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 Pub

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)
 - 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (D) 900 Access Service (Cont'd)
 - (2) <u>Technical Specifications</u> (Cont'd)
 - 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, 6 and 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

ISSUED: March 30, 2007

CANCELED
July 1, 2012
Missouri Public
Service Commission
TT-2012-0317, YI-2012-0635

Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

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6. Switched Access Service (Cont'd)

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6.2 <u>Provision and Description of Switched Access Service Feature Groups</u> (Cont'd)

Service Commission

- 6.2.5 <u>Miscellaneous Switched Access Service</u> (Cont'd)
 - (D) 900 Access Service (Cont'd)
 - (2) Technical Specifications (Cont'd)
 - 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, 6 and 9, whether routed directly to an end office or to an access tandem.

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Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

Missouri Public

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Service Commission

ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

EFFECTIVE: February 7, 2002

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ACCESS SERVICE

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.2 Provision and Description of Switched Access Saraiscapines COMM.
 - 6.2.5 Miscellaneous Switched Access Service (Cont'd)
 - (D) 900 Access Service (Cont'd)
 - (2) <u>Technical Specifications (Cont'd)</u>
 - 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 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

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ISSUED: June 5, 1995

BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE:

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6. Switched Access Service (Cont'd)

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Local Switching Optional Features (where equipment is available)

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Local Transport Termination Options.

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, TFC, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices. It is available with Feature Group A.

(C)

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices. It is available with Feature Group A.

(C)

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group

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ISSUED: May 3, 2000

Richard D. Lawson State Executive, External Affairs June 2, 2000

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- 6. Switched Access Service (Cont'd)
 - Local Switching Optional Features (where equipment is VEVESOURLE) Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Local Transport Termination Options.
 - Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, TFC, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

> This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and Nll (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

> This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

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March 27, 1996 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: April 29, 1996

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available)

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Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as Local Switching Options.

(A) <u>Call Denial on Line or Hunt Group</u>

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, 800, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and Nll (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

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NOV 7 1393 MO. PUBLIC SERVICE COMM.

ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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6. <u>Switched Access Service</u> (Cont'd)

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6.3 <u>Common Switching and Transport Termination Optional Features</u> (where equipment is available)

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as either Common Switching or Transport Termination Options.

- 6.3.1 <u>Common Switching Optional Feature</u> (where equipment is available)
- (A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, 800, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and Nll (e.g., 4ll, 6ll, and 9ll). This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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6. Switched Access Service (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available)

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(D) <u>Uniform Call Distribution Arrangement</u>

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call
Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(F) <u>Automatic Number Identification (ANI)</u>

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

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ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE: November 7, 1993

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6. <u>Switched Access Service</u> (Cont'd)

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Fublic Service Commission

- 6.3 <u>Common Switching and Transport Termination Optional Features</u> (where equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features
 (where equipment is available (Cont'd)
 - (D) <u>Uniform Call Distribution Arrangement</u>

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

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ISSUED: September 17, 1992 BY: John L. Roé Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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Fourth Revised Page 205 Cancels Third Revised Page 205

ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (F) <u>Automatic Number Identification</u> (ANI) (Cont'd)

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, pay telephones using Feature Group B, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with TFC service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5)

ISSUED: March 30, 2007

CANCELED
July 1, 2012
Missouri Public
Service Commission
TT-2012-0317, YI-2012-0635

Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

Switched Access Service (Cont'd)

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- Local Switching Optional Features (where equipment is available) 6.3 (Cont'd) MISSOURI
 - Automatic Number Identification (ANI) (Cont'd) Ublic Service Commissio? (F)

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, pay telephones using Feature Group B, or when an ANI failure has occurred.

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The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with TFC service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5)

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ISSUED: January 15, 1997

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April 30, 2007 Missouri Public Service Commission

BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is available)
 (Cont'd)
 - (F) Automatic Number Identification (ANI) Public Garyice Commission

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with TFC service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5)

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Public Service Commission

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ISSUED: March 27, 1996

96 BY: John L. Roe Vice President - Carrier and Regulatory Services EFFECTIVE: April 29, 1996

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Switched Access Service (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)

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(F) <u>Automatic Number Identification</u> (ANI) (Cont'd)

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with 800 service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5)

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ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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6. Switched Access Service (Cont'd)

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6.3 Common Switching and Transport Termination Optional Features (where equipment is available) (Cont'd)

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6.3.1 Common Switching Optional Features (where equipment is available (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd) NOV 7 1993

BY lot R.S. # The seven digit ANI telephone number is avail pigge Service Commission Feature Groups B and C. With these Feature Groups, MISSOURI technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B. or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with 800 service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required. (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) NOV hotel/motel originated call which requires room number 7 1992 identification, (5) MO. PUTHO SURVICE COMM.

ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: 1992 NOV 7

ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

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6.3.1 Local Switching Optional Features (where equipment is available)
(Cont'd)

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(F) <u>Automatic Number Identification (ANI)</u> (Cont'd)

pay telephone, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-0XXX or 950-1XXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

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EFFECTIVE:

APR 1 5 1997

ISSUED: January 15, 1997

Cancelled

April 30, 2007 Missouri Public Service Commission BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

ACCESS SERVICE

First Revised Page 206
Cancels Original Page 206

6. <u>Switched Access Service</u> (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available)
(Cont'd)

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(F) Automatic Number Identification (ANI) (Cont'd)

coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

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Public Service Commission

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NOV 7 1993 93 - 181 MO. PUBLIC SERVICE COMM.

ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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ACCESS SERVICE

Switched Access Service (Cont'd)

MISSOURI Public Service Commission

- 6.3 <u>Common Switching and Transport Termination Optional Features</u> (where equipment is available) (Cont'd)
 - 6.3.1 <u>Common Switching Optional Features</u>
 (where equipment is available) (Cont'd)
 - (F) Automatic Number Identification (ANI) (Cont'd)

coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 NOV 7 1992

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd)

JUL 0 & 1998

(H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing digit (#). (CT) The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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EFFECTIVE: August 3, 1998

ISSUED: July 2, 1998

Cancelled
April 30, 2007
Missouri Public
Service Commission

BY: Richard Lawson
State Executive, External Affairs
319 Madison
Jefferson City, MO 65101

Second Revised Page 207 Cancels First Revised Page 207

ACCESS SERVICE

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6. Switched Access Service (Cont'd)

JUN 5 1995

6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd)

(H) Cut-Through MO. PUBLIC SERVICE COMM.

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 10XXXX or 101XXXX code upon receipt of the end of dialing digit (#). Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(C)

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- The equipment at the terminating location transmits a (2) series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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MISSOURI Public Service Commission

ISSUED:

June 5, 1995

BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE:

JUL 1 5 1995

First Revised Page 207 Cancels Original Page 207

ACCESS SERVICE

6. Switched Access Service (Cont'd)

> Local Switching Optional Features (where equipment is available) 6.3 (Cont'd)

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MO. PUBLIC SERVICE CORRUL

(H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 10XXX code upon receipt of the end of disling digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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- 181 MO. PÜBLIC SERVICE COMM.

ISSUED: November 3, 1993

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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б. Switched Access Service (Cont'd)

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- Common Switching and Transport Termination Office Seature Ommission 6.3 (where equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)
 - (H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 10XXX code upon receipt of the end of dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

> This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- The equipment at the originating location presets (1)itself to represent the number of pulses required and to count the pulses received from the terminating location.
- The equipment at the terminating location transmits a (2) series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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6. <u>Switched Access Service</u> (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available)
(Cont'd)

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(T)

(J) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(K) Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

(L) <u>Dial Pulse Address Signaling</u>

This trunk size option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(M) Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

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ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE: November 7, 1993

ACCESS SERVICE

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6. Switched Access Service (Cont'd) MISSOURI

- Common Switching and Transport Termination Optional Features 6.3 CANCELLED (where equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)

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(J) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to Public Service Commiscion trunk circuit readiness to accept address starting to the hearmiscourt information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

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> This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

Dial Pulse Address Signaling (L)

> This trunk size option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(M) Panel Call Indicator Address Signaling

> This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

Б. Switched Access Service (Cont'd)

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Local Switching Optional Features (where equipment is available) 6.3 (Cont'd) MISSUURI Public Service Commission

(N) Service Class Routing

> This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., pay telephone, multiparty or (T) hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., TFC or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C

(0) Alternate Traffic Routing

and D.

(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers-who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an

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ISSUED: January 15, 1997

Cancelled

April 30, 2007 Missouri Public Service Commission

BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

ISSUED:

March 27, 1996

Second Revised Page 209 Cancels First Revised Page 209

ACCESS SERVICE

MAR 27 1998

- 6. Switched Access Service (Cont'd)
 - Local Switching Optional Features (where equipment is WEVELVEDIE)
 UDIC Service Commission 6.3
 - (N) Service Class Routing

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This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., TFC or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(0) Alternate Traffic Routing

> Multiple Customer Premises Alternate Routing (1)

> > This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an

> CANCELLED Public Service Commission APR 29 1996

EFFECTIVE: BY: John L. Roe April 29, 1996 Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

Switched Access Service (Cont'd)

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6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

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MO. PUBLIC SERVICE CONTAIL

(N) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(0) Alternate Traffic Routing

Multiple Customer Premises Alternate Routing (1)

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an

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MO. PUBLIC SERVICE COMM.

ISSUED: November 3, 1993

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

ACCESS SERVICE

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6. Switched Access Service (Cont'd) MISSOURI

- Common Switching and Transport Termination Optional Feature Common 6.3 (where equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)
 - (N) Service Class Routing

Public Service Commission MISSOURI This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

- (0) Alternate Traffic Routing
 - (1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

End Office Alternative Routing When Ordered in Trunks (2)

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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Missouri Public Service Commission

ACCESS SERVICE

Switched Access Service (Cont'd)

- REC'D MAY 03 2000
- Local Switching Optional Features (where equipment is available) 6.3
 - (0) Alternate Traffic Routing (Cont'd)
 - (2) End Office Alternative Routing When Ordered in Trunks (Cont'd)

access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(P) Trunk Access Limitation

> This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

(Q) Call Gapping Arrangement

> This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by

> > Missouri Public Sovice Commission

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ISSUED: May 3, 2000

Richard D. Lawson State Executive, External Affairs

EFFECTIVE: June 2, 2000

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ACCESS SERVICE

Switched Access Service (Cont'd)

NOV 2 1993

6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

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MO. PUBLIC SERVICE COMM.

(0) Alternate Traffic Routing (Cont'd)

> (2) End Office Alternative Routing When Ordered in Trunks (Cont'd)

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It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

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ISSUED: November 3, 1993

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

ACCESS SERVICE

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6. Switched Access Service (Cont'd)

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Public Service Commission 6.3 Common Switching and Transport Termination Optional (where equipment is available) (Cont'd)

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6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)

(0) Alternate Traffic Routing (Cont'd)

> (2) End Office Alternative Routing When (Cont'd)

> > access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(P) Trunk Access Limitation

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It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

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- 6.3.1 Local Switching Optional Features (where equipment is available) (Cont'd) MO. PUBLIC SERVICE COMM.
- (Q) <u>Call Gapping Arrangement</u> (Cont'd)

this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(R) Feature Group D With 950 Access

This option may be ordered to route calls from a designated 950-XXXX access code to Feature Group D access service. The Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service, using FGD signaling protocols and technical specifications. The customer must be prepared to differentiate between standard FGD calls and 950-dialed calls delivered over the same trunks. FGD with 950 Access will be provided from equal access conforming Telephone Company end offices and tandems, where technically feasible. Calls delivered to the customer's FGD access service when the customer's end user dials a 950-XXXX access code will be rated as FGD.

When a customer has FGD access service and does not have FGB access service from a particular end office, this option may be ordered to activate a customer's designated 950-XXXX access code in that end office. When a customer has both FGB and FGD access services and orders this option in a particular end office, the Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service in that end office. The customer is prohibited from having 950-XXXX access to originating FGD and originating FGB in the same end office or tandem utilizing the same 950-XXXX access code.

In Telephone Company end offices and tandems that do not support four digit carrier identification codes (CIC) for FGD, the 950-XXXX access code is only available to customers using a three digit CIC in the form 950-OXXX or 950-1XXX. In Telephone Company end offices and tandems that do support four digit CIC for FGD, the 950-XXXX access code is available to customers using either a three digit or four digit CIC in the forms 950-OXXX, 950-1XXX, and 950-XXXX. In any event, the CIC specified by the customer, either 3 digit or 4 digit, must be a valid CIC assigned for use by that customer. This option is available only with Feature Group D.

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MISSOURI Public Service Commission

ISSUED: June 5, 1995

BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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April 30, 2007
Missouri Public
Service Commission

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is available)
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(T) (D)

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(Q) <u>Call Gapping Arrangement</u> (Cont'd)

this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

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6. <u>Switched Access Service</u> (Cont'd)

MISSOURI Public Service Commission

- 6.3 <u>Common Switching and Transport Termination Optional Features</u> (where equipment is available) (Cont'd)
 - 6.3.1 <u>Common Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (Q) Call Gapping Arrangement (Cont'd)

this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(R) Reserved For Future Use

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BY LAR.S. #241
Public Service Commission
MISSOURI

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MO. PUBLIC SEATISE COMM. Effective:

NOV 7 1992

ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 SPRINT MISSOURI, INC. d/b/a SPRINT

Third Revised Page 212 Cancels Second Revised Page 212

Service Commission

ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

REC'D MAY 03 2000

- 6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (S) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(T) End Office End User Line Screening Options for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer. This option is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

(C)

(U) Hunt Group Arrangement for Use with WATS Access Line Servi

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., TFC Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This figure is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.



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ISSUED: May 3, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

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ACCESS SERVICE

Switched Access Service (Cont'd)

MAR 27 1995

- 6.3 Local Switching Optional Features (where equipment is available)
 (Cont'd) Public Service Commission
 - (S) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(T) End Office End User Line Screening Options for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(U) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., TFC Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This figure is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

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APR 29 1996

MC. PUBLIC SERVICE COMM

ISSUED:
March 27, 1996

Vice President - Carrier and Regulatory Services
5454 West 110th Street
Overland Park, Kansas 66211

EFFECTIVE: April 29, 1996

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First Revised Page 212 Cancels Original Page 212

ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - NOV 2 1993

 Local Switching Optional Features (where equipment is available) 6.3 (Cont'd)

(D) MO. PUBLIC SERVICE COMM.

(T)

(S) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(T) End Office End User Line Screening Options for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(U) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This figure is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

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MO. PUBLIC SERVICE COMM.

ISSUED: November 3, 1993

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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6. <u>Switched Access Service</u> (Cont'd)

- 6.3 Common Switching and Transport Termination Optional Features (where equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)
 - **(S)** Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(T) End Office End User Line Screening Options for Use with WATS Access Line Service

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(U) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This figure is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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6. Switched Access Service (Cont'd)

- RECT) NOV 29 2000
- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)
 - (V) Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(X) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

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(M) Text relocated to Page 214.

ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:

December 29, 2000

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)

MISSOUR: Public Service Commission

(V) <u>Uniform Call Distribution Arrangement for Use with WATS Access Line Service</u>

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(X) Rotary Dial Station Signaling

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This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

Operator Trunk - Pay Telephone

This option may be ordered to provide pay telephone (T) operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Local Switching option.

APR 15 1997

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ISSUED: January 15, 1997

BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 MO.PURINCSERVICECOM

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Switched Access Service (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)

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(V) <u>Uniform Call Distribution Arrangement for Use with WATS Access</u> <u>Line Service</u>

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform

Call Distribution Arrangement for Use with WATS Access Line

Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

(X) Rotary Dial Station Signaling

This option provides for the transmission of called party address (M) signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis. (M)

(Y) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined (M) coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk five of Local Switching option. (T)(M)

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NOV 7 1993 93 - 181 Mo. Public Service Comm.

ISSUED: November 3, 1993 BY: John L. Roe
Vice President - Administration
5454 West 110th Street
Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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ACCESS SERVICE

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6. <u>Switched Access Service</u> (Cont'd)

MAR 31 1993

- 6.3 <u>Common Switching and Transport Termination Optional Features</u> (where equipment is available) (Cont'd) <u>WO. PUBLIC SERVICE COMM</u>.
 - 6.3.1 <u>Common Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (V) <u>Uniform Call Distribution Arrangement for Use with WATS</u>
 Access <u>Line Service</u>

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

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(CC) Flexible Automatic Number Identification MISSONIA)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1(F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

ISSUED: March 31, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 NG. PUBLIC SERVICE COMIA. EFFECTIVE:

May 1, 1993

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- 6. Switched Access Service (Cont'd)
 - Common Switching and Transport Termination Optional Features (where Sion equipment is available) (Cont'd)
 - 6.3.1 Common Switching Optional Features (where equipment is available) (Cont'd)
 - (V) Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WATS Access Line Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups C and D.

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to that WATS Access Line Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available with Feature Groups C and D.

- 6.3.2 Transport Termination Optional Features
 - (A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

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Public Service Commission

KOA

BY: John L. Roy SSOURI Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ISSUED: September 17, 1992

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

REC'D NOV 29 2000

- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)
 - (Y) Operator Trunk Pay Telephone

This option may be ordered to provide pay telephone operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Local Switching option.

+, 01+ to the d over (M)

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This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating pay telephone calls requiring operator assistance to the customer's premises. Because operator assisted pay telephone traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance pay telephone calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's premises equipment.

When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for pay telephone stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(M) Text relocated from Page 213.

ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

EFFECTIVE:
December 29, 2000
Missouri Public
Service Commission

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ACCESS SERVICE

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is availabys) 15 1997 (Cont'd)
 - (Y) Operator Trunk Pay Telephone (Cont'd)

MISSOUR: Public Service Commission

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating pay telephone calls requiring operator assistance to the customer's premises. Because operator assisted pay telephone traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only pro-vided in association with the Service Class Routing option.

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The operator assistance pay telephone calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's premises equipment.

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When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for pay telephone stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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Public Service Commission

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EFFECTIVE:

APR 1 5 1997

ISSUED: January 15, 1997

BY: John L. Roe

VP - Carrier and Regulatory Services
5454 West 110th Street

Overland Park, Kansas 66211

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ACCESS SERVICE

NOV 2 1993

6. <u>Switched Access Service</u> (Cont'd)

MO. PUBLIC SERVICE COMM.

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- 6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (Y) Operator Trunk Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance coin calling arrangement is also normalized ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk ground equipped this arrangement will be terminated in the customer's manual cord by the systems, rather than in the customer's manual cord by the systems.

Non-Coin:

This arrangement provides for the routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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ISSUED: November 3, 1993 BY: John L. Roe NOV 7 1993 EFFECTIVE: Vice President - Administration November 7, 1993 5454 West 110th Street Public SERVICE COMM.

Overland Park, Kansas 66211

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ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - 6.3 Common Switching Transport Termination Optional Features (where equipment is available) (Cont'd)

 MAR 31 1993
 - 6.3.2 Transport Termination Optional Features (Cont'd) MO. PUBLIC SERVICE COMM
 - (A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

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MO. PUBLIC SERVICE COMM.

ISSUED: March 31, 1993 BY: John L. Roe
Vice President - Administration
5454 West 110th Street
Overland Park, Kansas 66211

EFFECTIVE: May 1, 1993

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- 6. <u>Switched Access Service</u> (Cont'd)
 - Common Switching Transport Termination Optional Features (where Ommics!on
 - 6.3.2 Transport Termination Optional Features (Cont'd)
 - (B) Operator Trunk Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin:

equipment is available) (Cont'd)

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

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Public Service Commission

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ISSUED: September 17, 1992 BY: John L. Roe
Vice President - Administration
5454 West 110th Street
Overland Park, Kansas 66211

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

REC'D NOV 29 2000

- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)
 - (Z) Operator Trunk Full Feature

(M)

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Local Switching option.

(M)

(AA) Call Screening

(N)

This feature provides for the passing of call screening digits on all calls that originate from Feature Group A lines. With Call Screening, the FGA dial tone office switched translations associated with the FGA line generate the ANI information digits of 07 on each call passed. Call Screening is available with FGA in suitably equipped end offices.

(BB) Call Restriction

This option allows for the screening of terminating calls and for the completion only of calls to a Telephone Company specified set of service codes and NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. It is available with Feature Group A only in those offices where such capabilities exist.

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ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:
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6. <u>Switched Access Service</u> (Cont'd)

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6.3 <u>Local Switching Optional Features</u> (where equipment is available)
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ISSUED: January 15, 1997

BY: John L. Roe

VP - Carrier and Regulatory Services
5454 West 110th Street

Overland Park, Kansas 66211

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ACCESS SERVICE

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is available) (T (Cont'd)

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(Y) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (T) (Cont'd)

Combined Coin and Non-Coin:
This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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NOV 7 1993 93 - 181 MO PUBLIC SERVICE COMM.

ISSUED: November 3, 1993 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: November 7, 1993

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- 6. <u>Switched Access Service</u> (Cont'd)
 - Common Switching Transport Termination Optional Features (where Ommission
 - 6.3.2 Transport Termination Optional Features (Cont'd)
 - (B) Operator Trunk Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

Non-Coin:

equipment is available) (Cont'd)

This arrangement provides for the routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

Combined Coin and Non-Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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ISSUED: September 17, 1992 BY: John L. Roe

Vice President - Administration
5454 West 110th Street

Overland Park, Kansas 66211

EFFECTIVE:

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SPRINT MISSOURI, INC. d/b/a SPRINT

Sixth Revised Page 216 Cancels Fifth Revised Page 216

ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)
 - (CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the Access Code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

(EE) Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling. Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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ISSUED: May 28, 2003 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: June 26, 2003

Missouri Public Service Commission

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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- 6.3 Local Switching Optional Features (where equipment is available) (Cont'Service Commission
 - (CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the Access Code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

(EE) Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling. Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in National Exchange Carrier Association, *Inc.* Tariff F.C.C. No. 4.

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ISSUED: January 15, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 15, 2002

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ACCESS SERVICE

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- Switched Access Service (Cont'd)
 - 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

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(CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the Access Code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

(EE) Switched 64 Clear Channel Capability

(N)

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling. Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in National Exchange Carrier Association Tariff F.C.C. No. 4.

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(M) Text relocated to Page 215.

ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd) 2 1998
 - (Z) Operator Trunk Full Feature

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This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Local Switching option.

- (AA) Reserved for Future Use
- (BB) Reserved for Future Use
- (CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) <u>Carrier Identification Parameter (CIP)</u>

This option provides for the delivery of the Carrier Identification Code or the Access Code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

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ISSUED: July 2, 1998 BY: Richard Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: August 3, 1998 UNITED TELEPHONE COMPANY OF MISSOURI d/b/a SPRINT

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ACCESS SERVICE

Switched Access Service (Cont'd)

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- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)

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 - (Z) Operator Trunk Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Local Switching option.

- (AA) Reserved for Future Use
- (BB) Reserved for Future Use
- (CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the Access Code (10XXX or 101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D Switched Access calls transported over SS7 trunks. CIP is available, at no charge, from suitably equipped end offices and access tandems.

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MISSOURI Public Service Commission

> EFFECTIVE: October 6, 1997

ISSUED: September 4, 1997

BY: John L. Roe VP - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 (N)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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6.3 Local Switching Optional Features (where equipment is available)
(Cont'd)

(D)

(1)

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(2) Operator Trunk - Full Feature

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This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Local Switching option.

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- (AA) Reserved for Future Use
- (BB) Reserved for Future Use

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(CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3.1 (F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE: October 17, 1992

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6. <u>Switched Access Service</u> (Cont'd)

- MISPAUM
- 6.3 Common Switching Transport Termination Optional Features (where Common equipment is available) (Cont'd)
 - 6.3.2 Transport Termination Optional Features (Cont'd)
 - (B) Operator Trunk Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

Combined Coin and Non-Coin: (Cont'd)

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(C) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type for Transport Termination.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.3 <u>Local Switching Optional Features</u> (where equipment is available) (Cont'd)
 - (FF) <u>Multifrequency Address Signaling</u>

This feature, available with FGB, FGC, and FGD, provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

ISSUED: March 30, 2007 Mark D. Harper
Director - State Regulatory
5454 W. 110th Street
Overland Park, Kansas 66211

EFFECTIVE: April 30, 2007



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ACCESS SERVICE

6. Switched Access Service (Cont'd)

- REC'D NOV 29 2000
- 6.3 Local Switching Optional Features (where equipment is available) (Cont'd)
 - (FF) Multifrequency Address Signaling

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This feature, available with FGB, FGC, and FGD, provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

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ISSUED: November 29, 2000

Richard D. Lawson
State Executive, External Affairs
319 Madison
Jefferson City, MO 65101

EFFECTIVE:

December 29, 2000

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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6.4 Transmission Specifications

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Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 6.4.1 following Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference *Publication GR-3334*. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

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6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for WATS Access Lines. The Specific applications in terms of the Feature Groups and Interface Groups with which Feature Group Standard Transmissions Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C), preceding.

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ISSUED: January 15, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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Switched Access Service (Cont'd)

6.4 Transmission Specifications

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Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 6.4.1 following Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for WATS Access Lines. The Specific applications in terms of the Feature Groups and Interface Groups with which Feature Group Standard Transmissions Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C), preceding.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE:

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6. <u>Switched Access Service</u> (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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6.4.1 Standard Transmission Specifications (Cont'd)

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(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is - 1.0 dB to + 3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

Route Miles	C-Message Noise
less than 50	32 dBrnCO
51 to 100	34 dBrnCO
101 to 200	37 dBrnCO
201 to 400	40 dBrnCO
401 to 1000	42 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

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6. <u>Switched Access Service</u> (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

6.4.1 Standard Transmission Specifications (Contide Contide Contide Sion

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem POT to End Office	21 dB	14 dB
- Direct	N/A	N/A
 Via Access Tandem 	16 dB	11 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

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BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE:

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6. Switched Access Service (Cont'd)

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6.4 Transmission Specifications (Cont'd)

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- 6.4.1 Standard Transmission Specifications (Cont'd)
 - (B) Type B Transmission Specifications (Cont'd)
 - (1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is \pm 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C-Message Noise*	
Route Miles	Type B1	Type B2
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference *Publication GR-3334*.

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6. <u>Switched Access Service</u> (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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- 6.4.1 Standard Transmission Specifications (Contaction Contaction Commission
 - (B) Type B Transmission Specifications (Cont'd)
 - (1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is \pm 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	<u>C-Message</u>	Noise*
Route Miles	Type B1	Type B2
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference PUB 62500.

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ISSUED: September 17, 1992 BY: John L. Roe
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6.4 Transmission Specifications (Cont'd)

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6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem - Terminated in		
4-Wire trunk - Terminated in	21 dB	14 dB
2-Wire trunk	16 dB	11 dB
POT to End Office - Direct	16 dB	11 dB

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6. <u>Switched Access Service</u> (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) <u>Echo Control</u> (Cont'd)

		Echo Return Loss	Singing Return Loss
_	Via Access Tandem • For FGB access	^ 8 dB	4 dB
	 For FGC access (Effective 4- Wire trans- mission path 	·	,
	at end office)For FGC access (Effective 2-	16 dB	11 dB
	Wire trans- mission path at end office)	13 dB	6 dB

(C) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

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6. Switched Access Service (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is \pm 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	<u>C-Message Noise</u>	
Route Miles	Type C1	Type C2
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference **Publication GR-3334**.

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ISSUED: January 15, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 15, 2002

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6. Switched Access Service (Cont'd) SEP 17 1992

- 6.4 Transmission Specifications (Cont'd)
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 - 6.4.1 Standard Transmission Specifications (Cont'd)
 - (C) Type C Transmission Specifications (Cont'd)
 - (1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 3.0 dB.

(2) Attenuation Distortion

> The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

> The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

C-Message	Noise*
Type C1	Type C2
32 dBrnCO	38 dBrnCO
33 dBrnCO	39 dBrnCO
35 dBrnCO	41 dBrnCO
37 dBrnCO	43 dBrnCO
39 dBrnCO	45 dBrnCO
	Type Cl 32 dBrnC0 33 dBrnC0 35 dBrnC0 37 dBrnC0

For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference TR-NPL-000334.

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6. Switched Access Service (Cont'd) SEP 17 1992

Transmission Specifications (Cont'd)

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6.4.1 Standard Transmission Specifications (Cont'd)

Type C Transmission Specifications (Cont'd) (C)

> (4) C-Notch Noise

> > The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

> Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is equal to or greater than the following:

Echo	Singing
Return	Return
Loss	Loss

POT to End Office - Direct

13 dB

6 dB

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6. Switched Access Service (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. Following are descriptions of each.

- (A) Data Transmission Parameters Type DA
 - (1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles equal to or greater than 50 route miles

500 microseconds 900 microseconds

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6. Switched Access Service (Cont'd)

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- 6.4 Transmission Specifications (Cont'd)
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- 6.4.2 Data Transmission Parameters (Cont'd)
 - (A) Envelope Delay Distortion (Cont'd)
 - (2) Data Transmission Parameters Type DA (Cont'd)

1004 to 2404 Hz

less than 50 route miles equal to or greater than 50 route miles

200 microseconds 400 microseconds

Impulse Noise Counts (3)

> The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

> The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

> > Second Order (R2) Third Order (R3)

33 dB 37 dB

Phase Jitter (5)

> The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 50 peak-to-peak.

(6) Frequency Shift

> The maximum Frequency Shift does not exceed -2 to +2 Hz.

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6. Switched Access Service (Cont'd)

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6.4 Transmission Specifications (Cont'd)

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6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

Signal to C-Notched Noise Ratio (1)

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles equal to or greater than 50 route miles

800 microseconds 1000 microseconds

1004 to 2404 Hz

less than 50 route miles equal to or greater than 50 route miles

320 microseconds 500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

> 31 dB Second Order (R2) Third Order (R3) 34 dB

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6. <u>Switched Access Service</u> (Cont'd)

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6.4 <u>Transmission Specifications</u> (Cont'd)

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6.4.2 Data Transmission Parameters (Cont'd)

(B) <u>Data Transmission Parameters Type DB</u> (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

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6. Switched Access Service (Cont'd)

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6.5 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company set forth in 2, preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 29, 2000

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- Switched Access Service (Cont'd)
 - 6.4 <u>Transmission Specifications</u> (Cont'd)

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- 6.4.2 Reserved for Future Use
- 6.5 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company set forth in 2. preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

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- Switched Access Service (Cont'd)
 - Obligations of the Telephone Company (Cont'd)

 Service Commission
 - 6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(B)(3) preceding.

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)

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6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(B)(3) preceding.

6.5.2 Design and Traffic Routing of Switched Access Service

For Feature Group C and Feature Group D when ordered in busy hour minutes of capacity, the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)
 - 6.5.2 Design and Traffic Routing of Switched Access (Cont'd)

For Feature Groups A when ordered in lines and Feature Groups B and D when ordered in trunks, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are specified on the customer's order for service. The Telephone Company will determine the optimal network configuration based on the capacity ordered. If the customer desires routing or directionality different from the optimal configuration determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service before establishing a firm order. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Local Transport Termination.

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage,

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6. Switched Access Service (Cont'd) REC'D JAN 07 2002

6.5 Obligations of the Telephone Company (Cont'd) Service Commission

6.5.2 Design and Traffic Routing of Switched Access (Cont'd)

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For Feature Groups A when ordered in lines and Feature Groups B and D when ordered in trunks, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are specified on the customer's order for The Telephone Company will determine the optimal network configuration based on the capacity ordered. If the customer desires routing or directionality different from the optimal configuration determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service before establishing a firm order. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Local Transport Termination.

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6. <u>Switched Access Service</u> (Cont'd)

Obligations of the Telephone Company (Cont'd) Public Service Commission

6.5.2 Design and Traffic Routing of Switched Access (Cont'd)

two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service.

For Feature Groups A when ordered in lines and Feature Groups B and D when ordered in trunks, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are specified on the customer's order for service. The Telephone Company will determine the optimal network configuration based on the capacity ordered. If the customer desires routing or directionality different from the optimal configuration determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service before establishing a firm order. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Local Transport Termination.

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6. <u>Switched Access Service</u> (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.3 Provision of Service Performance Data (Cont'd)

failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Group B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)
 - 6.5.3 <u>Provision of Service Performance Data</u> (Cont'd)

failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

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When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Group B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

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- 6. Switched Access Service (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)

Service Commission

6.5.3 Provision of Service Performance Data (Cont'd)

failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

6.5.5 <u>Determination of Number of Transmission Paths</u>

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Group B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic. The number of transmission paths will be developed using the total busy hour minutes of capacity by traffic type (as described in 6.1.1(E) preceding) for the end offices for each Feature Group ordered from a customer's premises. The total busy hour minutes of capacity by type for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of end office switches only, or (3) the use of tandem switches only.

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Switched Access Service (Cont'd)

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6.5 Obligations of the Telephone Company (Cont'd)

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6.5.3 Provision of Service Performance Data (Cont'd)

failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

6.5.5 Determination of Number of Transmission Paths

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and Feature Group D when ordered on a per trunk basis, the customer specifies the number of transmission paths in the order for service. The Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C or D busy hour minutes of capacity ordered. A transmission path is a communication path within the frequency bandwidth of approximately 300 to 3000 Hz or a derived communication path of a frequency bandwidth of approximately 300 Hz to 3000 Hz provided over a high frequency analog facility or a high speed digital facility between a customer's premises and a Telephone Company location. The number of transmission paths will be developed using the total busy hour minutes of capacity by traffic type (as described in 6.1.1(E) preceding) for the end offices for each Feature Group ordered from a customer's premises. The total busy hour minutes of capacity by type for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of end office switches only, or (3) the use of tandem switches only.

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)
 - 6.5.5 Determination of Number of Transmission Paths (Cont'd)

For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches an equivalent termination will be provided for each transmission path provided.

- 6.5.6 Reserved For Future Use
- 6.5.7 Design Blocking Probability

The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

- (A) For Feature Groups A and B no design blocking criteria apply.
- (B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Erlang B traffic tables are used for High Usage (HU) trunk groups while Neal Wilkinson traffic tables are used for final groups.

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Director - State Regulatory
5454 W. 110th Street
Overland Park, Kansas 66211

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6. <u>Switched Access Service</u> (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

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6.5.5 <u>Determination of Number of Transmission Paths</u> (Cont'd)

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For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches an equivalent termination will be provided for each transmission path provided.

6.5.6 Reserved For Future Use

(N)

6.5.7 Design Blocking Probability

The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

- (A) For Feature Groups A and B no design blocking criteria apply.
- (B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Erlang B traffic tables are used for High Usage (HU) trunk groups while Neal Wilkinson traffic tables are used for final groups.

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6. <u>Switched Access Service</u> (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd) Public Scryico Commission

6.5.6 Determination of Number of Transmission Paths (Cont'd)

For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches an equivalent termination will be provided for each transmission path provided.

6.5.7 Design Blocking Probability

The Telephone Company will design and monitor the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

- (A) For Feature Groups A and B no design blocking criteria apply.
- (B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Erlang B traffic tables are used for High Usage (HU) trunk groups while Neal Wilkinson traffic tables are used for final groups.

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)
 - 6.5.7 Design Blocking Probability (Cont'd)
 - (D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.
 - (1) For transmission paths carrying only first routed traffic directly between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group

6 <u>rements</u>
0
0
0
0
0

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CANCELED
July 1, 2012
Missouri Public
Service Commission
TT-2012-0317, YI-2012-0635

Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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6. Switched Access Service (Cont'd)

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6.5 Obligations of the Telephone Company (Cont'd)

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- 6.5.7 Design Blocking Probability (Cont'd)
 - (D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.
 - (1) For transmission paths carrying only first routed traffic directly between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group

> 2 3 4 5-6 7 or more

Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group

15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 <u>Measurements</u>
.070	.080.	.090	.140
.050	.060	.070	.090
.050	.060	.070	.080
.040	.050	.060	.070
.030	.035	.040	.060

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Service Commission

ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 7, 2002

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- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)

MISSOURI Public Service Commission

- 6.5.7 Design Blocking Probability (Cont'd)
 - (D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines, trunks or BHMCs, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity, lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.
 - (1) For transmission paths carrying only first routed traffic directly between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group

	15-20 <u>Measurements</u>	11-14 Measurements	7-10 Measurements	3-6 <u>Measurements</u>
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7 or more	.030	.035	.040	.060

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE:

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ACCESS SERVICE

- 6. <u>Switched Access Service</u> (Cont'd)
 - 6.5 Obligations of the Telephone Company (Cont'd)
 - 6.5.7 Design Blocking Probability (Cont'd)
 - (D) (Cont'd)
 - (2) For transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group

	15-20 <u>Measurements</u>	11-14 <u>Measurements</u>	7-10 <u>Measurements</u>	3-6 <u>Measurements</u>
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

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Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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6. <u>Switched Access Service</u> (Cont'd)

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6.5 Obligations of the Telephone Company (Cont'd)

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Public Service Commission

6.5.7 Design Blocking Probability (Cont'd)

(D) (Cont'd)

(2) For transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group

2

5-6

7 or more

Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group

15-20 <u>Measurements</u>	11-14 <u>Measurements</u>	7-10 <u>Measurements</u>	3-6 Measurements
.045	.055	.060	.095
.035	.040	.045	.060
.035	.040	.045	.055
.025	.035	.040	.045
.020	.025	.030	.040

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq

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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

6.6 Obligations of the Customer

In addition to the Obligations of the Customer set forth in 2.3 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

(C) 900 Access Service NXX Codes

All 900 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) Interim 500 Access Service NXX Codes

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and XX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change.

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6. <u>Switched Access Service</u> (Cont'd)

6.6 Obligations of the Customer

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In addition to the Obligations of the Customer set forth in 2.3 (Z) preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. The PUBLIC SERVICE COMM. obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) <u>Jurisdictional Reports</u>

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

(C) 900 Access Service NXX Codes

All 900 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) Interim 500 Access Service NXX Codes

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change, 1 i 1995 EFFECTIVE:

ISSUED: January 11, 1995

BY: John L. Roe February 11, 1995
Vice President - Carrier and Regulatory Services MISSOURI
5454 West 110th Street
Overland Park, Kansas 66211

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April 30, 2007 Missouri Public Service Commission

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- 6. Switched Access Service (Cont'd)
 - 6.6 Obligations of the Customer (Cont'd)

MISSOURI Public Service Commission

In addition to the Obligations of the Customer set forth in 2. preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.15 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

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BY: John L. Roe

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6. <u>Switched Access Service</u> (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements (Cont'd)

(D) Interim 500 Access Service NXX Codes (Cont'd)

Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

6.6.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 <u>Design of Switched Access Services</u>

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

6.7 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

6.7.1 Description and Application of Rates and Charges

There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, nonrecurring charges and usage rates. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) Monthly Rates

onthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

ISSUED: March 30, 2007 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007

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July 1, 2012
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Service Commission
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ACCESS SERVICE

6. <u>Switched Access Service</u> (Cont'd)

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6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements (Cont'd)

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(D) Interim 500 Access Service NXX Codes (Cont'd)

Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

6.6.2 <u>Supervisory Signaling</u>

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

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6.7.1 Description and Application of Rates and Charges

There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, nonrecurring charges and usage rates. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) <u>Monthly Rates</u>

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days. FEB 111995

ISSUED: January 11, 1995 BY: John L. Roe February 1995
Vice President - Carrier and Regulatory Services Service Commission
5454 West 110th Street
Overland Park, Kansas 66211

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April 30, 2007
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Service Commission

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6. Switched Access Service (Cont'd) SEP 171992

Obligations of the Customer (Cont'd)

MISSOURI Public Service Commission

6.6.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

Rate Regulations 6.7

This section contains the specific regulations governing the charges that apply for Switched Access Service.

6.7.1 Description and Application of Rates and Chargest Service Commission There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, nonrecurring charges and usage rates. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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6. <u>Switched Access Service</u> (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(B) <u>Usage Rates</u>

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, and 900 Access Service.

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk installation charge is applicable on a per end office or tandem basis.

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

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Mark D. Harper
Director - State Regulatory
5454 W. 110th Street
Overland Park, Kansas 66211

EFFECTIVE: April 30, 2007



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- 6. Switched Access Service (Cont'd)
 - 6.7 Rate Regulations (Cont'd)

Service Commission

- 6.7.1 <u>Description and Application of Rates and Charges</u> (Cont'd)
 - (B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, and 900 Access Service.

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk installation charge is applicable on a per end office or tandem basis.

(C)

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(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

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EFFECTIVE: February 7, 2002

ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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- Switched Access Service (Cont'd)
 - 6.7 Rate Regulations (Cont'd)

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- 6.7.1 Description and Application of Rates and Charges (Cont'd)
 - (B) <u>Usage Rates</u>

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, and 900 Access Service.

(1) <u>Installation of Service</u>

Nonrecurring charges apply to each Switched Access Service installed. For FGA and FGB, which are ordered on a per line or trunk basis respectively, and for FGD when ordered on a per trunk basis, the charge is applied per line on trunk. For FGC and FGD, which are ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation of an additional trunk(s).

(2) <u>Installation of Optional Features</u>

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

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ISSUED: January 11, 1995 FEP LT 1895

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Vice President - Carrier and Regulatory Services

5454 West 110th Street

Overland Park, Kansas 66211 Public Service Commission

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6. Switched Access Service (Cont'd) SFP 17 1992

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6.7 Rate Regulations (Cont'd)

6.7.1 <u>Description and Application of Rates and Charges</u> (Cont'd)

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, and service rearrangements.

Installation of Service (1)

Nonrecurring charges apply to each Switched Access Service installed. For FGA and FGB, which are ordered on a per line or trunk basis respectively, and for FGD when ordered on a per trunk basis, the charge is applied per line on trunk. For FGC and FGD, which are ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation of an additional trunk(s).

Installation of Optional Features (2)

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

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- 6. Switched Access Service (Cont'd)
 - 6.7 Rate Regulations (Cont'd)
 - 6.7.1 Description and Application of Rates and Charges (Cont'd)
 - (C) Nonrecurring Charges (Cont'd)
 - (3) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding or a change in the physical location of the point of termination at the customer's premises or the customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.7 following.

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September 17, 1992

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