

**APPENDIX RECORDING
EXHIBIT IV
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PROVISION OF AUR SOURCE INFORMATION

This Exhibit sets forth the terms and conditions under which SWBT will provide Access Usage Record (AUR) data pertaining to the following types of Interexchange Carrier (IXC) transported usage originating from the LSP exchanges in situations where SWBT, in order to have information required to create such AUR source data, must either purchase data from an outside vendor or use data available at the operator switch of SWBT when SWBT provides local/intraLATA operator services for LSP:

0+ AT&T Transported Call Type (0+)

This type of 0+ call is a call which (1) originates from one of LSP's exchanges, (2) is transported by AT&T, (3) is rated by AT&T, and (4) is placed by an LSP's subscriber dialing 0+NPA+NXX+LINE or by dialing either 10+CIC+0+NPA+NXX+LINE or 10CIC+0+NXX+LINE, where the CIC is AT&T's Carrier Identification Code.

0- IXC Transported Call Type (0-)

This type of 0- call is a call which (1) originates from one of LSP's exchanges, (2) is transported by any IXC whose facilities are accessed through the use of SWBT's 0- Transfer Service, and is placed either by (3) an LSP's subscriber dialing 0 and subsequently being transferred by LSP's local/intraLATA operator service provider to an IXC operator for placement and completion of the call, or by (4) LSP's subscriber dialing 00 and being connected to an IXC's operator for placement and completion of the call.

0- AT&T Transported Call Type (0-)

This type of 0- call is a call which (1) originates from one of the LSP's exchanges, (2) is transported by AT&T, (3) is rated by AT&T, and either (4) is placed by an LSP's subscriber dialing 0 and subsequently being transferred by the LSP's local/intraLATA operator service provider to an AT&T operator for placement and completion of the call, or (5) where equipment and facilities permit, is placed by the LSP's subscriber dialing 00 and being directly connected to an AT&T operator for placement and completion of the call.

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International Operating Center AT&T Transported Call Type (IOC)

An IOC call is a call which (1) originates from one of the LSP's exchanges, (2) is transported by AT&T, (3) is handled at an AT&T International Operating Center, (4) is rated by AT&T, and (5) is placed by an LSP's subscriber either dialing 01 or 011 before the international telephone number, or (6) dialing either 0 or 00 and being transferred to an AT&T IOC for the placement and completion of the call.

Coin Sent Paid AT&T Transported Call Type (CSP)

A Coin Sent Paid call is a call which (1) originates from a public coin telephone located in any of the LSP's exchanges where the person placing the call pays for the call by inserting coins into the public coin telephone from which the call originates, (2) is transported by AT&T, (3) is recorded by an AT&T Operator Service Position (OSPS), and (4) is rated by AT&T.

CAMA AT&T Transported Call Type (CAMA)

A Centralized Automatic Message Accounting (CAMA) call is a call which (1) originates from one of the LSP's exchanges, (2) is transported by AT&T, and either (3) is recorded at an AT&T OSPS because Operator Number Identification (ONI) of the calling party's telephone number is required due to equipment or facility constraints, or (4) is recorded at an AT&T OSPS due to a failure of an originating end office to record the Automatic Number Identification (ANI) of the calling party for direct dialed customer calls.

In situations where SWBT must purchase source data from an outside vendor in order to provide AUR data for LSP in those instances where Meet Point Billing is applicable between LSP and SWBT, a separate charge will be applicable in accordance with Exhibit III F. 1. This election is indicated below by the placement of a "P" (Purchase) by LSP under each applicable type of AUR Information Call listed.

In situations where SWBT must purchase source data from an outside vendor in order to provide AUR data for the LSP in those instances where Meet Point Billing is not applicable between the LSP and SWBT, a separate charge will be applicable in accordance with Exhibit III F.2. This election is indicated below by the place of a "P" (Purchase) by LSP under each applicable type of AUR Information Call listed.

In situations where SWBT has source information available from SWBT data and the LSP requests SWBT to use such source information, this election is indicated below by the placement of an "S" (SWBT Switch Record) under each applicable type of AUR Information Call listed, and LSP agrees to pay SWBT the applicable charges as set forth in Exhibit III.

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In situations where LSP does not wish to be provided any AUR source data for one of more of the call types listed below, this election should be indicated by the placement of an "N" (None) under each applicable type of AUR Information Call listed. There is no charge for this election.

LSP desires SWBT to provide AUR data pertaining to the types of AT&T and/or other IXC transported usage, as specified below, originating from the following NPA/NXXs. The appropriate Source Information Provided charge will apply as set forth in Exhibit III-A.F.

TYPE OF AUR INFORMATION CALL

<u>NPA/NXX</u>	<u>EXCH NAME</u>	<u>0+</u>	<u>0-</u>	<u>CAMA</u>	<u>IOC</u>	<u>CSP</u>	<u>RAO CODE</u>
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LSP shall provide SWBT written notice concerning any NPA/NXXs which LSP may add, delete or change in its operating territory as well as the specific types of AUR data required by LSP for each of such NPA/NXXs. LSP will provide such written notice to SWBT at least sixty (60) days prior to the effective date of any such addition, deletion or change. If SWBT does not receive at least sixty (60) days notice, it cannot ensure timely provision of AUR data pertaining to the affected NPA/NXXs.

APPENDIX BCR

SEPTEMBER 1996

APPENDIX BCR
BILLING, COLLECTING AND REMITTING APPENDIX

This Appendix sets forth the terms and conditions that apply to those telecommunications services for which charges are billed and collected by one Local Exchange Carrier (LEC) but earned by another LEC; and to establish procedures for the billing, collecting and remitting of such charges and for compensation for the services performed in connection with the billing, collecting and remitting of such charges.

I. DEFINITIONS

- A. **BellCore Client Company Calling Card and Third Number Settlement (BCC CATS) System** - Nationwide system used to produce information reports that are used in the settlement of Local Exchange Carrier (LEC) revenues recorded by one BCC (or LEC) and billed to an end user of another BCC (or LEC) as described in accordance with the BellCore Practice BR 981-200-110.
- B. **Charges** - the amount approved or allowed by the appropriate regulatory authority to be billed to an end user for any of the services described in Section II., rendered by a LEC to an end user.
- C. **Compensation** - the amount to be paid by one Party to the other Party for billing, collecting and remitting of charges as set forth in Section IV.
- D. **IntraLATA** - within a Local Access and Transport Area (LATA) - IntraLATA messages are those messages, either intrastate or interstate, which originate and terminate within a LATA. The term "IntraLATA messages," as used herein, shall only include those that qualify for the BellCore Client Company BCC CATS process.
- E. **InterLATA** - between Local Access and Transport Areas (LATAs) as defined in the FCC's CC Docket No. 78-72. InterLATA messages are those messages which originate in one LATA and terminate in a different LATA. The term "InterLATA messages" as used herein, shall only include those that qualify for the BellCore Client Company BCC CATS process.
- F. **Local Exchange Carrier (LEC)** - as used in this Appendix shall mean those Local Exchange Carriers or Local Service Providers using BCC CATS as a message tracking system.
- G. **Local Message** - Local messages are those messages which originate and terminate within the area defined as the local service area of the station from which the message originates.
- H. **Revenues** - the sum of all or part of the charges as defined above.

II. SCOPE OF APPENDIX

This Appendix shall apply to procedures for the billing, collecting and remitting of revenues (and compensation to either Party for billing, collecting and remitting of such revenues) derived from the following services:

- 1) LEC-carried (traffic transported by facilities belonging to a LEC) local messages of the following types:
 - a. Local Message Service Charges Billed to a Calling Card or to a Third Number.
 - b. Directory Assistance Calls Charged to a Calling Card or to a Third Number.
 - c. Public Land Mobile Radiotelephone Transient-Unit Local Message Service
(Mobile Channel Usage Link Charge).
 - d. Maritime Mobile Radiotelephone Service and Aviation Radiotelephone Service (Marine, Aircraft, High Speed Train Radio Link Charges).
- 2) LEC-carried Interstate IntraLATA and Interstate InterLATA telecommunications services that qualify for and flow through the BCC CATS process as addressed in the BellCore Practice BR 981-200-110, of the following types:
 - a. Interstate IntraLATA Toll Service carried by an LEC and charged to a Calling Card or a Third Number.
 - b. Interstate InterLATA Toll Service carried by an LEC and charged to a Calling Card or a Third Number.
 - c. Radio Link Charges where service is provided by one LEC and billed by another LEC.

III. RESPONSIBILITIES OF THE PARTIES

- A. LSP agrees to bill, collect and remit to SWBT the charges for the services described in Section II. which are provided by any LEC (including SWBT), to be billed to end users of the LSP.
- B. In those cases in which the charges for the services listed in Section II. are due any LEC other than SWBT, SWBT will arrange to transfer these charges to the appropriate company in accordance with accepted industry standards.

- C. Charges for the services listed in Section II. which are to be billed, collected and remitted by LSP shall be remitted by LSP to SWBT within 30 days of the date of the bill.
- D. SWBT agrees to bill, collect and remit to LSP the charges for the services described in Section II. provided and earned by LSP when charges are to be billed by another LEC (including SWBT) to its respective end users.
- E. Charges for the services listed in Section II. to be billed, collected and remitted by SWBT or any other LEC shall be remitted by SWBT to the LSP within 30 days of the date of the bill.
- F. The full amount of the charges transmitted to either Party for billing, collecting and remitting shall be remitted by the Party whose end users are being billed, without setoff, abatement or reduction for any purpose, other than to deduct the compensation, as described in Section IV, due the Party for performing the end user billing function. The Party billing the end user shall be responsible for all uncollectible amounts related to the services described in Section II.
- G. Each Party will furnish to the other such information as may be required for monthly billing and remitting purposes.

IV. COMPENSATION

Each Party will compensate the other Party in the amount of \$.08 for each charge billed for any service described in Section II. 1) by a billing Party and subsequently remitted by such billing Party to the other Party hereto. Each party will compensate the other Party in the amount of \$0.05 for each charge billed for any service described in Section II. 2) by a billing party and subsequently remitted by such billing Party to the other Party hereto. Such compensation shall be paid (unless a Party has collected such compensation as described in Section III.F. above) within 30 days of the date of a bill for such compensation by the Party performing the billing, collecting and remitting functions described in Section III.

APPENDIX SS7

SEPTEMBER 1996

APPENDIX SS7

APPENDIX FOR THE PROVISION OF COMMON CHANNEL SIGNALING AND SIGNALING SYSTEM 7 INTERCONNECTION SERVICES

This Appendix sets forth the terms and conditions under which SWBT agrees to provide to LSP certain Common Channel Signaling and Signaling System 7 (CCS/SS7) Interconnection Services, herein referred to as "SS7 IC Service" and under which terms LSP agrees to accept such "SS7 IC Service."

This Appendix only provides for network interconnection to SWBT's STPs, including facilities, and the CCS/SS7 functionality and translations to support certain SS7 services as they become available and as facilities permit. Any services beyond actual network interconnection (e.g. Local and IntraLATA Call Set-Up Signaling, IXC Call Set-Up Signaling, Easy OptionsSM, 800 Data Base Access, and Line Information Data Base (LIDB) Validation Service Access) will be provided by an amendment to this Appendix, by a separate agreement, or by tariff, whichever is applicable. Arrangements for any and all SS7 services available from SWBT should be made through the SWBT LSP Account Manager.

I. SERVICE DESCRIPTION

Common Channel Signaling and Signaling System 7 (CCS/SS7) Interconnection Service (SS7 IC Service) which is available to LSPs for its use in furnishing SS7-based services to its end users or to the end users of another LSP subtending the SSP or STP of the interconnecting LSP, is a Switched Access service which provides dedicated two-way signaling links that interconnect SWBT Signal Transfer Point (STP) locations and LSP Signaling Points at Signaling Point of Interface (SPOI) locations.

The SS7 IC Service provided pursuant to this Appendix consists of the following:

STP Port Termination(s) for LSP signaling. These port terminations will consist of port connection(s) of 56 kbps transmission facilities on SWBT's STP.

STP Interconnection Facility, which is the facility which lies between the multiplexing hub, which demultiplexes the LSP's 56 kbps transmission facility which terminates on SWBT's STP from a DS1 (i.e. 1.544 Mbps) transmission facility, and the STP Port.

STP Access Connection Facility, which is the facility which lies between the SPOI and the multiplexing hub.

All STP Access Connection Facilities must be 1.544 Mbps and all interconnections between SWBT and LSP at the SPOI shall be 1.544 Mbps. At SWBT's discretion, LSP may utilize a DSO-A channel of an intraLATA DS1 connection, which is in place at the time of ordering, to accomplish the STP Access Connection. **WHEN THIS OPTION IS CHOSEN, LSP UNDERSTANDS AND ACCEPTS THAT THE SERVICE PERFORMANCE STANDARDS AS OUTLINED IN BELLCORE DOCUMENT TR-**

TSV-000905 MAY NOT BE MET IN THE PROVISION OF THE TOTAL SERVICE.

The SS7 IC Service provided is described in SWBT's Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Specifications (TP76638), as amended.

In addition to general ordering, provisioning, and contract administration processes, the SS7 IC Service cannot be established until after Bellcore TR-TSV-000905 and SWBT TP76638 (as amended) Compatibility Testing is successfully completed between the interconnecting LSP and SWBT.

II. MANNER OF PROVISIONING

The link facilities to SWBT STPs in the same LATA can be either:

1. "A" Link Sets from LSP's Signaling Point (SP)/Service Switching Point (SSP). A minimum of two links will be required, one from the SP/SSP to each STP; or,
2. "B" Link Sets from LSP's STPs that are connected to SWBT's mated pair of STPs. A minimum of four links will be required, a "quad", between the two pairs of STPs.

At SWBT's option, LSP may utilize a channel of an intraLATA DS1 (1.544 Mbps) facility, which is in place at the time of ordering, for the STP Access Connection between the SPOI and SWBT's multiplexing hub location. **WHEN THIS OPTION IS CHOSEN, LSP UNDERSTANDS AND ACCEPTS THAT THE SERVICE PERFORMANCE STANDARDS AS OUTLINED IN BELLCORE DOCUMENT TR-TSV-000905 MAY NOT BE MET IN THE PROVISION OF THE TOTAL SERVICE.** If such a channel is not utilized, LSP must order DS1 (1.544 Mbps) service.

An STP Port Termination is required for each 56 kbps access link utilized for the Service. STP locations are set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 4.

All applicable signaling point codes for each signaling link must be installed at each of SWBT's interconnecting STPs.

Provisioning of the SS7 IC Service is in accordance with SWBT CCS/SS7 Network Interface Specifications (TP76638) and Bellcore Common Channel Network Interface Specification (TR-TSV-000905), as amended. The SS7 IC Service cannot be established until Compatibility Testing has been successfully completed between the interconnecting LSP and SWBT.

III. DESCRIPTION OF RATE ELEMENTS

A. STP Access Connection

The STP Access Connection rate element provides 1.544 Mbps transmission facilities between LSP's SPOI and SWBT's multiplexing hub, and is applicable when a channel from a DS1 facility is not available.

The STP Access Connection charges are calculated according to mileage band. There are two rates that may apply per band, i.e., a fixed monthly rate per mileage band and a monthly rate per mile.

A nonrecurring charge also applies per STP Access Connection. This charge applies on a first and additional basis.

B. STP Interconnect Mileage

The STP Interconnect Mileage rate element provides the 56 kbps transmission facilities between a designated SWBT multiplexing hub location and the SWBT interconnecting STP.

When LSP utilizes an available channel from a DS1 facility, the STP Interconnect Mileage rate element also applies between the SPOI and SWBT's multiplexing hub.

STP Interconnect Mileage is calculated according to mileage band. There are two rates that apply per band, i.e., a fixed monthly rate per mileage band and a monthly rate per mile.

C. STP Port Termination

The STP Port Termination rate element provides for the termination of the 56 kbps circuit. One STP Port Termination must be installed at SWBT's interconnecting STP for each 56 kbps circuit.

There are two charges that apply to the STP Port Termination, i.e., a fixed recurring monthly rate per port termination and a nonrecurring installation charge per port.

D. Signaling Point Code

The Signaling Point Code rate element provides for the installation of applicable CCS network signaling point (address) codes. A nonrecurring charge applies per Signaling Point Code installed at each STP.

IV. RATES AND CHARGES

The rates and charges for the rate elements described above are listed in Attachment 2, which is attached hereto and made a part hereof.

The rates are based upon rates and charges reflected in SWBT's approved Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection tariffs. To the extent that tariff rates are adjusted, rates and charges for similar rate elements in this Appendix will be adjusted accordingly on the date the new tariff rates become effective.

Nontariffed rates and charges for services, functionality and translations available in connection with this service will be addressed in amendments to this Appendix.

Charges for rearrangement of the SS7 IC Service which are not specifically addressed shall be determined on an individual case basis.

Mileage shall be calculated on the airline distance between the locations involved, using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

V. ORDERING THE SERVICE

When ordering service, LSP shall submit a completed "Common Channel Signaling and Signaling System 7 Interconnection Services Order Request Form" to SWBT. This form can be obtained from the SWBT LSP Account Manager.

VI. RESPONSIBILITIES OF SWBT

- A. SWBT is responsible for managing the network and applying protective controls which it can invoke as a result of occurrences including but not limited to failure or overload of SWBT or LSP facilities, natural disasters, mass calling or national security demands.
- B. SWBT is responsible for meeting service performance standards as outlined in TR-TSV-000905 and TP76638 except as otherwise provided herein.

In the event that SWBT provides special service arrangements under this contract that do not strictly adhere to TR-TSV-000905 and TP76638, **LSP UNDERSTANDS AND ACCEPTS THAT THE SERVICE PERFORMANCE STANDARDS MAY NOT BE MET IN THE PROVISION OF THE TOTAL SERVICE.**

- C. SWBT will include with the monthly invoice such data SWBT deems reasonably necessary for LSP to verify the accuracy of the billing it receives from SWBT for the SS7 IC Service.
- D. For billing purposes SWBT will determine the:
 - Non-Recurring Charges
 - Recurring Charges
 - Other Charges (as applicable)

for the respective service(s) requested by LSP and provided by SWBT.

VII. RESPONSIBILITIES OF LSP

- A. LSP is responsible for provisioning the signaling links from its premises to the SPOI(s) in a manner technically acceptable to the SWBT network.
- B. It is the responsibility of LSP to populate the "privacy indicator" portion of the CCS/SS7 initial address message forwarded to SWBT's network for call processing.
- C. LSP will be responsible for verifying the accuracy of information concerning the services ordered by LSP.
- D. When LSP directly interconnects with SWBT's SS7 network at an STP other than the Kansas City, Missouri Regional STP pair, the SS7 IC Service provided pursuant to this Appendix may be used only for exchange services functionality, and under no circumstance is such service to be utilized in connection with LSP's provision of an interLATA offering. When the LSP directly interconnects with SWBT's SS7 network at the Kansas City, Missouri Regional STP pair, the SS7 IC Service provided pursuant to this Appendix may be used only for exchange and exchange access services functionality, and under no circumstance is such service to be utilized in connection with LSP's provision of an interLATA offering. LSP may not utilize the SS7 IC Service for SS7 signaling related to an IXC-transported SS7 service.
- E. LSP agrees to work cooperatively and meet with SWBT in order to install the SS7 IC Service in a timely fashion.
- F. LSP shall furnish to SWBT, at the time the SS7 IC Service is ordered and annually thereafter, an updated three year forecast of usage for the 56 kbps channel and the STP Port Termination. The forecast shall include total annual

volume and busy hour busy month volume. SWBT will utilize the forecast in its own efforts to project further facility requirements.

- G. LSP agrees to inform SWBT in writing thirty (30) days in advance of any change in its use of such SS7 IC Service which alters by ten percent for any thirty (30) day period the volume of signaling transactions by individual SS7 service that are planned by LSP to be forwarded to SWBT's network. LSP will provide in said notice the reason, by individual SS7 service, for the volume change.

VIII. CREDITS

Credit will be allowed for interruptions which are greater than 30 minutes. The credit will be at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or fraction thereof that the interruption continues after the initial 30 minute outage. The monthly charge shall be the total of all monthly rate element charges associated with the service.

IX. LIABILITY

- A. Each Party releases the other from any liability for loss or damage arising out of errors, interruptions, defects, failures, delays, or malfunctions of the SS7 IC Service, including any and all associated equipment and data processing systems, not caused by gross negligence or willful misconduct. Any losses or damages for which either Party is held liable under this Agreement shall in no event exceed the amount of the charges for the Service during the period beginning at the time notice of the error, interruption, defect, failure, or malfunction is received, to the time service is restored.
- B. Each Party shall defend, indemnify, and hold harmless the other Party from any and all losses, damages, or other liability, including attorney fees, that it may incur as a result of claims, demands, wrongful death actions, or other suits brought or claimed by third parties, arising out of the use of the SS7 IC Service and resulting from gross negligence or willful misconduct by the indemnifying Party, its employees, agents or contractors in the performance of this Appendix.
- C. Each Party agrees to release, defend, indemnify, and hold harmless the other Party from any claim, demand or suit that asserts any infringement or invasion of privacy or confidentiality of any person(s), caused or claimed to be caused, directly or indirectly, by employees and equipment associated with provision of the SS7 IC Service. This includes, but is not limited to suits arising from disclosure of any customer specific information associated with either the originating or terminating numbers used to provision this SS7 IC Service.

X. USE OF INFORMATION

Any specifications, drawings, sketches, models, samples, tools, computer or other apparatus programs, technical or business information or data, written, oral or otherwise (all hereinafter designated as "Information") furnished to LSP under this Appendix or in contemplation of this Appendix, shall remain SWBT's property. All copies of such information in written, graphic or other tangible form shall be returned to SWBT at SWBT's request. Information shall be kept confidential by LSP in performing under this Appendix and may not be used for any other purposes except upon such terms as may be agreed upon between LSP and SWBT in writing.

XI. TERM OF AGREEMENT

The minimum periods for which the SS7 IC Service is provided, and for which charges are applicable, are:

- A. Initial service of not less than three (3) years from the effective date of this contract.

If the Appendix is terminated by LSP prior to the agreed to initial term of three (3) years, LSP shall pay SWBT, within thirty (30) days of termination, all amounts due for actual services provided under this Appendix, including estimated monthly charges for the remainder of the original term of the Appendix. Estimated charges will be based on unrecovered costs and actual monthly amounts billed by SWBT through this Appendix, prior to the termination.

- B. After initial service, continuing service for periods of not less than 30 days, until notified to terminate the service. Termination will occur 120 days after notification, and charges will be applicable up to the termination date.
- C. Requests for modification to the terms, conditions, or services offered under this Appendix must be made in writing 90 calendar days in advance of the requested effective date by either Party and shall not become effective unless agreed upon in writing by both Parties.

ATTACHMENT 1

DEFINITIONS OF TERMS

Common Channel Signaling (CCS)

A high-speed specialized packet switched communications network which is separate (out-of-band) from the public packet switched and message networks. CCS carries addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points (SS7 nodes) in the CCS network.

Compatibility Testing

Certification testing performed by representatives from SWBT and LSP to assure proper interconnection of CCS network facilities for accurate transmission of system signals and messages. This is often referred to as TR-905 Compatibility Testing.

Service Switching Point (SSP)

A signaling point that can launch queries to databases and receive/interpret responses used to provide specific end user services.

Signal Transfer Point (STP)

A packet switch in the CCS network that is used to route signaling messages between signaling nodes. STPs also transfer signaling messages to other networks. SWBT's network includes mated pairs of local and regional STPs.

Signaling Link

An end-to-end high-capacity data link (56 kbps) that transmits supervision and control signals from one network SS7 node to another in a CCS network. The Link Type identifies the functionality of the signaling link sets. Two Link Types associated with CCS Interconnection Service are:

"A" - Access links connect SPs and SSPs to STPs.

"B" - Bridge links connect two STPs, not of the same mated pair, but on the same hierarchical level.

Signaling Point (SP)

A node in the CCS network that originates and/or receives signaling messages, or transfers signaling messages from one signaling link to another, or both.

Signaling Point Code

A code that identifies the signaling point address in the CCS network. Point codes are nine-digit codes - three segments of three digits each - identifying the Network ID, Network Cluster, and Cluster Member, respectively.

Signaling Point of Interface (SPOI)

Mutually agreed point at which SWBT hands off signaling information to LSP.

Signaling System 7 (SS7)

The signaling protocol, Version 7, of the CCS network, based upon American National Standards Institute (ANSI) standards.

Attachment 2
RATES AND CHARGES

<u>Rate Element</u>	<u>Rates & Charges</u> <u>Per Signaling Link¹</u>
A. STP Access Connection (if applicable)	
Nonrecurring	
First	\$628.00
Additional	\$456.00
Monthly Recurring - Fixed	
Less than one mile	\$340.54
One mile or more	\$403.73
Monthly Recurring - per Mile	
Less than one mile	\$ 0.00
One mile or more	\$ 26.45
B. STP Interconnect Mileage - 1 mile or more	
Monthly Recurring - Fixed	\$100.16
Monthly Recurring - per Mile	\$.91
C. STP Port Termination	
Nonrecurring	\$234.49
Monthly Recurring	\$318.87
D. IEC Signaling Point Code	
Nonrecurring	
Per code, per STP	\$ 41.00

Billing for the above-referenced service will begin upon completion of installation and testing of the services ordered through the CCS and SS7 Interconnection Services Appendix.

¹ As currently reflected in F.C.C. 73.

EasyOptionsSM SERVICES

EasyOptionsSM SERVICES

These services provide for the exchange of CCS signaling messages required for the provision of EasyOptionsSM services between SWBT's end offices and the end office of an associated LSP via SWBT's CCS network facilities from/to the STP(s) at which LSP interconnects with SWBT's CCS network. These services may be used only for exchange and exchange access services functionality, and under no circumstances is such service to be utilized in connection with LSP's provision of an interLATA offering. The LSP may not utilize the EasyOptionsSM services for SS7 signaling related to an IXC-transported SS7 service.

These services are available in central offices where EasyOptionsSM services are being offered to its end users and to exchanges where SWBT and LSP both have CCS network signaling capabilities deployed to the end office level in order to support the origination and termination of EasyOptionsSM services. NOTE: In order to provide EasyOptionsSM services, additional software must also be installed in applicable end offices.

LSP, by entering into this Attachment, agrees to also act based on "privacy indicator" information forwarded from SWBT.

LSP agrees that it must, from time to time, at SWBT's request, provide information as deemed necessary by SWBT for network planning in connection with this offering.

SWBT accepts no additional responsibility beyond what is outlined in its tariffs for these services with respect to the provision of EasyOptionsSM services and accepts no responsibility of any kind in connection with the use of this information for the provision of EasyOptionsSM or other services to an LSP's end users.

To promote recognition of EasyOptionsSM services in multi-LEC areas, LSP may want to use the same service names. LSP is hereby allowed to use the names of SWBT's EasyOptionsSM services that do not have a service mark.

Rates and Charges: There are no additional rates and charges for these services. They are provided as a part of the SS7 IC Service to LSP.

Attachment 4

LOCAL AND INTRALATA CALL SET-UP SIGNALING

LOCAL AND INTRALATA CALL SET-UP SIGNALING SERVICE

This service allows LSP to utilize out of band trunk signaling via SWBT's CCS network facilities for the provision of exchange and exchange access services.

It is the responsibility of LSP to populate the "privacy indicator" portion of all SS7 signaling messages forwarded to SWBT's network. SWBT agrees to deliver the information forwarded by LSP in the SS7 signaling message. LSP, by entering into this Attachment, agrees to deliver the "privacy indicator" information forwarded by SWBT in its signaling message.

SWBT accepts no additional responsibility of any kind in connection with the use of Call Set-up Signaling Service for the provision of exchange services to an LSP's end users.

Call set-up times may be greater when LSPs using SS7 signaling employ Intermediate Access Tandems (IATs) in their networks.

LSP agrees that it must, from time to time, at SWBT's request, provide information as deemed necessary by SWBT for network planning in connection with this offering.

Rates and Charges: There are no additional rates or charges for this service. It is provided as a part of the SS7 IC Service to LSP.

Attachment 5

IXC CALL SET-UP SIGNALING

IXC CALL SET-UP SIGNALING SERVICE

This service allows LSP to utilize SS7 signaling to an SS7 capable Interexchange Carrier (IXC) for Feature Group D Access Service and other intraLATA interexchange services.

In LATAs where SWBT has a mated pair of STPs and has CCS/SS7 Interconnection facilities to an IXC, within the same LATA, for interexchange telecommunications services, SWBT will provide Call Set-Up Signaling between LSP and the IXC.

SWBT accepts no additional responsibility of any kind in connection with the use of IXC Call Set-up Signaling Service.

LSP agrees that it must, from time to time, at SWBT's request, provide information as deemed necessary by SWBT for network planning in connection with this offering.

LSP must provide point codes of IXCs for which LSP is providing call setup via SWBT's SS7 signaling network, so SWBT screening and translation tables can be updated.

Rates and Charges: An additional signaling point code charge, per link, is applicable for each IXC signaling point code.

<u>Rate Element</u>	<u>Per Signaling Link</u>
Nonrecurring Charge, per Point Code, per STP	\$41.00

Billing for the above-referenced service will take place upon completion of installation and testing of the services ordered through the CCS and SS7 Interconnection Services Appendix.

Attachment 6

800 DATA BASE SCP QUERY SERVICE

800 DATA BASE SCP QUERY SERVICE

This service allows LSP to originate CCS signaling messages in the form of queries to SWBT's 800 SCPs, via SWBT's CCS network facilities from the LSP SSP(s) that are interconnected with SWBT's CCS network. It also allows LSP to receive responses to the queries it initiates from SWBT's 800 SCPs, via SWBT's CCS network facilities. This service may be used in connection with exchange and exchange access services provided by LSP, but, LSP is not permitted to use the service in the provision of interLATA services.

Queries are initiated to the data base to determine the 800 Service Provider associated with all ten digits of a dialed 800 number. In most instances, the Service Provider designation will be provided via a Carrier Identification Code (CIC) vs the POTS number. The 800 SCP query rate applies for each 800 query received and processed by SWBT's SCP. The following features are also available:

The data base has the capability of translating the dialed 800 number into a Plain Old Telephone Service (POTS) 10 digit number, if provided by and requested by the Service Provider. The charge for POTS Translation will be in addition to the charge per query, when applicable.

Call Validation ensures that 800 calls originate from an 800 Service Provider's customized service area. Calls originating outside the area will be screened and an out of band recording is returned to the calling party. The charge for this feature is in addition to the charge per query, when applicable.

Call Handling and Destination allows the 800 Service Provider to route 800 calls based on one or any combination of the following: time of day, day of week, percent allocation and specific 10 digit ANI. The charge for this feature is in addition to the charge per query, when applicable.

LSPs agrees that it must, from time to time, at SWBT's request, provide information as deemed necessary by SWBT for network planning in connection with this offering.

SWBT accepts no additional responsibility beyond what is outlined in its tariffs with respect to the accuracy of information returned by its data base via the CCS query process.

RATES AND CHARGES

The rates and charges following reflect the fact that the Service Switching Point (SSP) used to launch queries to the data base will be provided by LSP.

The nonrecurring query charge applies for each 800 query received and processed by SWBT's SCP. The optional feature charges are in addition to the nonrecurring query charge, when applicable.

Nonrecurring Query Charge, per Query \$.0016

<u>Optional Features</u>	<u>Charge Per Query</u>
POTS Translation	\$.0000
Call Validation	\$.0000
Call Handling and Destination	\$.0003

APPENDIX CNAM [LIDB]

SEPTEMBER 1996