AMERITECH CENTREX SERVICE

Effective December 1, 2007, the Company will no longer offer the Advanced Custom Calling Feature CLASS Distinctive Ringing on new lines for Centrex customers. A Centrex customer may retain this feature on lines placed in service prior to December 1, 2007 until it moves, makes any changes to its service, or choose to upgrade its service.

A. Description

Ameritech Centrex Service is a local exchange telecommunications service, provided by a telecommunications system located in a Company central office.

Ameritech Centrex Service offers five types of lines:
- Basic Lines
- Electronic Key Lines
- OPTI-Centrex Basic Lines

B. Vacant

C. Terms and Conditions

1. Provision of Service

   Ameritech Centrex Service is provided from switching equipment located on a Company premises and is offered for 2 or more lines, subject to the availability of facilities.

   Ameritech Centrex Service requires Service Transport Facilities (STF) (See Other Applicable Charges) except with OPTI-Centrex Basic lines and OmniPresence applications.

D. Features

1. Feature Availability

N/A - Not Applicable Std. – Standard Opt. - Optional

Voice	Basic	Electronic Key	ISDN
CLASS Distinctive Ringing	Opt.	Opt.	Opt.

AMERITECH CENTREX SERVICE (cont'd)

D. Features (cont'd)

2. Line Features

Call Forwarding-Variable

Remote Activation of Call Forwarding provides the capability for a customer to activate and deactivate the call forwarding variable feature for a Centrex line from another telephone either within or outside of the Centrex group.

Class Distinctive Ringing
Allows customers to designate up to ten telephone numbers from which incoming calls will have a distinctive ring. For customers with call waiting, a distinctive call waiting signal will be received if a call from one of the designated telephone numbers is waiting.

E. Technical References

Customer Provided Equipment (CPE) compatibility requirements are listed in Ameritech Technical References. All Customer Provided Equipment used to interface with Ameritech Centrex Service is required to conform with the Technical Reference Specifications as used by the Company.

F. Prices

1. Service Elements

Description /Billing Code/	Nonrecurring Charge	Monthly Extension Rate	Monthly Payment *Term Payment Plans* 36 Months	60 Months	84 Months
Optional Line Features					
CLASS Distinctive Ringing /ZACDC/					

AMERITECH CENTREX SERVICE (cont'd)

F. Prices (cont'd)

1. Service Elements (cont'd)

Effective June 21, 2002, 84-Month Term Payment Plans will no longer be available for PRI Connection Service. Current PRI Connection customers may continue to retain their existing service as is at their current address until the 84 month contract term expires. Any customer requested changes to the existing Service will require the customer to select a new contract term payment plan or the month-to-month option at the then current guidebook rates. The Company will not impose termination liability to those customers required to make a contract term change.

Upon completion of the 84 month TPP term, customers may continue receiving the Service at the then-current rates under any available payment plan. If the customer does not select a new payment plan and does not request discontinuance of the Service, the month-to-month rates in effect at such time will automatically apply.

The preceding supersedes all of the rules and regulations that follow.

Description /Billing Code/	Monthly Payment *Term Payment Plans* 84 Months
Private Facility Access Termination Trunk Side Access	
PRI Connection (24 channel digital termination), each arrangement /DUG1X/	$340.00
Optional Features	
"D" Channel Backup, each /ZPBXD/	100.00
Network Ring Again, per arrangement /ZRA/	45.00
Network Name Display, per arrangement /ZNN/	45.00

2. Other Applicable Charges

Network Access

Service Transport Facilities (STF)
Ameritech Centrex Service requires Service Transport Facilities (STF) as provided for in Part 4, Section 2 and Part 5, Section 2, except for OPTI-Centrex Basic lines, Opti-Centrex National ISDN lines, and OmniPresence applications.

CENTREX SWITCHING SERVICE (C.S.S.)/1/

ITAC Supplemental Charge
Centrex lines are subject to an ITAC supplemental charge, as found in Part 8, Section 9.

A. General

1. Centrex Switching Service (C.S.S.), a competitive telecommunications service, is provided by a telecommunications system in which the equipment controlling the switching is located in a Company central office and:
   - calls from the exchange network are switched under the control of that equipment to the C.S.S. lines,
   - calls from the C.S.S. lines are switched under the control of that equipment to the exchange network,
   - intercommunicating calls are switched under the control of that equipment between C.S.S. lines,
   - direct inward dialing is provided to the C.S.S. line by line selection in the central office,
   - identified outward dialing is provided for the C.S.S. lines by line identification in the central office.

2. Centrex Switching Service provides the following standard features:
   Intercommunication between lines associated with a system,
   In-dialing directly to lines, attendant call transfer of incoming calls from one line to another, and attendant Camp-on,
   Direct outward dialing by lines,*
   Identification of outgoing message-unit charges and toll messages when directly dialed,
   Billing of local and toll usage by line number, where such billing is done by the Company,
   Console attendant operation,**
   Night answering arrange eat for directory number calls,
   A listing in the Alphabetical Listing Information System of the name of the customer, (T)
   Line transfer of all calls,***
   Consultation-hold of all calls,***
   Add-on conferencing of all calls,***
   Trunk answer from any line other than fully restricted lines,
   And Touch-Tone equipped 7 digit telephone numbers.

3. Centrex Switching Service requires Service Transport Facilities (STF) as provided for in Part 5, Section 2. STF used for C.S.S. intercommunication purposes is an integral part of the C.S.S. service offering. The Network Access portion of the STF service will be based on P.B.X. trunk equivalency as described in Part 4, Section 2. Where the Company negotiates an individual customer contract, it will use guidebook rate levels as specified in Part 4, Section 2 for the Network Access portion of STF.

* At the option of the customer, selected lines may be prohibited from placing calls outside of the Centrex System.
** Attendant loops are provided herein.
*** At the option of the customer, these features may be restricted to incoming calls only or withheld completely from selected Centrex equipped access lines.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

A. General (cont'd)

4. Centrex Switching Service requires usage and P.B.X. Trunk Equivalents as described in 6. following.

5. Availability of Centrex Switching Service

   The service is furnished, subject to the availability of the necessary switching and control equipment, from #1 and #2 ESS and digital central offices as specified in this Section, where capacity is available. Variations in the switching and control equipment used may cause differences in the operation or availability of certain features.

6. Centrex Switching Service Usage and P.B.X. Trunk Equivalents

   Centrex customers may subscribe to any type of usage service available in the exchange as described in Part 4, Section 2 according to the regulations and rates shown for P.B.X. trunks.

   Local Area Service or Extended Local Area Service customers and Extended Message Rate Service customers will pay for usage according to the P.B.X. trunk equivalent schedule as shown in Part 4, Section 2.

7. Centrex Switching Service provides 7 digit telephone numbers in the following capacities:

Capacity Category	Minimum C.S.S. Line Capacity
I	2
II	30
III	100
IV	700
V	2000
VI	5000

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

A. General (cont'd)

8. Minimum Contract Periods

Month-to-Month (Available to Capacity Category I)

3 year
5 year
7 year

a. The monthly rate for Centrex Switching Service is dependent upon the contract duration selected by the customer.

b. The customer is responsible for the monthly charges for the minimum C.S.S. line capacity of the capacity category or for the actual number of C.S.S. lines in use, whichever is greater.

Example #1:
A C.S.S. customer has elected a 3 year contract for C.S.S. Capacity Category III, which has a minimum of 100 C.S.S. lines. During this month, the customer has 75 C.S.S. lines working. The customer will be billed monthly charges, as shown in B. following, for the 100 C.S.S. line minimum.

Example #2:
A C.S.S. customer has elected a 3 year contract for C.S.S. Capacity Category III, which has a minimum of 100 C.S.S. lines. During this month, the customer has 900 C.S.S. lines working. The customer will be billed monthly charges, as shown in B. following, for 900 C.S.S. lines at the 3 year contract rates for Capacity Category III.

c. The monthly line rates for Centrex service provided under the 3, 5 or 7 year contract, shown in B.3 following, will not be subject to Company initiated increases during the contract period, subject to the following conditions:

1. Lines are also subject to a $3.60 End User Common Line (EUCL) charge as filed for the State of Illinois by the Ameritech Operating Companies in Tariff F.C.C. No. 2. During the term of the contract, the customer shall be liable for all increases in the EUCL charge above $3.60 per line, per month as authorized by the Federal Communications Commission (or by any other regulatory body or commission or court of competent Jurisdiction). However, the per month contract charge will be adjusted so that the combined EUCL and per month contract charge will reflect the EUCL increase on a P.B.X trunk equivalency basis. This will be accomplished by reducing the per month contract charge per line by the difference between: (1) the amount of the EUCL per line increase and (2) the amount of the EUCL per line increase multiplied by the average percentage of P.B.X. trunks to Centrex lines in comparably sized systems. The number of Centrex lines will be those in service or the minimum number contracted for, whichever is greater.

   In the event of a EUCL decrease, the per month contract charge per line will be increased to reflect such EUCL decrease on a P.B.X. trunk equivalency basis in a manner consistent with that detailed above for EUCL increases.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

A. General (cont'd)

8. Minimum Contract Periods (cont'd)

c. (cont'd)

2. However, an additional option is available to customers taking service prior to January 1, 1988, under a 3, 5 or 7 year contract at rates specified in the guidebook. For customers electing this option, the per month contract charge per line will be increased to reflect a EUCL decrease on a P.B.X. trunk equivalency basis only to the level of the per month contract charge per line specified in the guidebook that was in effect at the time the customer subscribed to the contract service. For such customers selecting this option, the per month contract charge will not be adjusted to reflect any future EUCL increases. Customers who do not advise the Company of their election prior to February 16, 1988, will be subject to the provisions of this paragraph 2.

3. An extension of a contract as described in e. following is subject to the provisions of 1. preceding.

d. Centrex Switching Service lines may be added at the customer's request provided that sufficient Service Transport Facilities are obtained as specified in Part 5, Section 2.

Upon growth to another capacity category, the customer may again designate a contract period, as shown in this paragraph 8., that is equal to or longer than the remaining life of the existing contract. At that time, the customer will become liable for the then current monthly rates for the newly chosen capacity category for all C.S.S. lines in use or for the minimum C.S.S. line capacity for that capacity category, whichever is greater. These rates will not be subject to Company initiated increases for the duration of the new contract period selected.

If the customer chooses not to contract for a larger capacity category, the monthly rate for the additional C.S.S. lines in use will be the rate appropriate to the capacity category of the customer's existing contract. (See Example #2 as shown in b. preceding.)

e. Once during the term of a 3, 5 or 7 year contract, a customer may extend that contract subject to the following conditions. The term remaining on the original contract plus the term of the extension ("term of the new agreement") may not be less than 12 months and may not exceed 84 months. This contract extension is in addition to the provisions covered in paragraph d. preceding.

The monthly line rate for the existing contract will continue during any contract extension unless a lower rate would apply to the term of the new agreement based on the then current guidebook rates for a 3, 5 or 7 year contract. If the term of the new agreement is up to 59 months, the 3 year contract rate would apply; if the term of the new agreement is from 60 through 83 months, the 5 year contract rate would apply; and if the term of the new agreement is 84 months, the 7 year contract rate would apply. The lower rate, if applicable, will become effective on the date the extension is signed. Such rate will be retroactive.

Regulations applicable to the 3, 5 or 7 year contracts apply to any extensions.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

A. General (cont'd)

9. The rates shown for Centrex Switching Service are exclusive of local and toll charges, telephone instrument charges, and Service Transport Facilities.

10. Resale and Sharing of Centrex Switching Service

    Centrex Switching Service may be resold or shared, as provided in Part 2, Section 2, *Resale of Service*.

    The customer of record shall be responsible for all recurring and nonrecurring Centrex Switching Service charges as well as all local and toll usage billed by the Company to any Centrex line number.

11. Change in responsibility for payment for service as provided in Part 3, Section 1 is permissible.

12. Customers subscribing to Combination Administrative and Dormitory Service (Part 20, Section 5) on March 17, 1984, who convert to Centrex Switching Service will be provided an optional billing arrangement establishing separate accounts for each C.S.S. line furnished in dormitories. There will be a $.75 per month charge for each C.S.S. line furnished in dormitories having this arrangement.

    Under this arrangement, a separate bill is rendered for all charges for each line covering the charges applicable for message toll and message unit services originated or received at such lines or extensions. The Company will bill and collect such charges from the users of such service. Any overpayment of $1.00 or less on a final bill for a line will be refunded only upon request. The customer will be responsible for the payment of all other charges applicable for services rendered.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

B. Centrex Switching Service Rates

1. Service Establishment Charge

The Service Establishment Charge is applicable to the establishment of any new Centrex Switching Service System and to any relocation of an entire Centrex Switching Service System, unless the customer's relocation is within the serving Centrex office boundary. The charge does not apply to additions to an existing Centrex Switching Service System.

The Service Establishment Charge may be paid in full on the first bill after cutover of the system or may be financed under the provisions of the deferred payment plan as specified in Part 2, Section 2.

Total Number of C.S.S. Lines Installed	I.N.C.
2-29	$200.00
30-99	700.00
100-699	2,750.00
700-1999	10,000.00
2000-4999	17,500.00
5000 or more	28,000.00

If during the six month period immediately following the initial cutover of a C.S.S. System, sufficient additional C.S.S. lines are added to the system to place the total number of lines installed in a higher bracket, an additional I.N.C. will be billed that is equal to the difference between the then current I.N.C. for the original number of lines installed and the then current I.N.C. for the higher line bracket.

2. Centrex Switching Service Common Block

At least one (1) common block is required per C.S.S. system. Several factors, including but not limited to the feature mix chosen by the customer and certain requirements of a customer who is reselling or sharing a C.S.S. system, may require that additional common blocks be provided.

	I.N.C.	Per Mo.
Common Block per C.S.S. System	$550.00	$5.00

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/2/ (cont'd)

B. Centrex Switching Service Rates (cont'd)

3. Centrex Switching Service Monthly Line Rates

The customer shall be responsible for the monthly rates for the minimum capacity of the capacity category for which the customer has contracted or for the actual number of Centrex Switching Service capabilities that are in use, whichever is greater. Lines are also subject to a $4.13 End User Common Line (EUCL) charge as filed for the State of Illinois by the Ameritech Operating Companies in Tariff F.C.C. No. 2.

The following charges are for intercommunication switching service. Network access is provided by Service Transport Facilities.

Centrex Switching Service lines, each

	Capacity Category *Per Mo.*					
Contract Period	I	II	III	IV	V	VI
Month-to-Month/1/	$5.86	$3.86	$2.66	$2.06	$1.66	$1.26
3 Year	2.68	1.68	1.08	.78	.58	.38
5 Year	2.58	1.58	.98	.68	.48	.28
7 Year	2.48	1.48	.88	.58	.38	.18

If the customer terminates service prior to the expiration of the contract, an amount equal to the C.S.S. monthly rate appropriate to the capacity category times the minimum C.S.S. line capacity of the capacity category, times the number of months remaining in the contract period will be immediately due.

/1/ Available upon expiration of the 3, 5, or 7 year contract.
/2/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features

1. In addition to those features described in A.2. preceding, provided as standard in Centrex Switching Service, optional C.S.S. line features shown in 2. following may be added individually or in groups.

   There is no minimum number of individual features or groupings that must be obtained, unless specified by the feature.

2. The following C.S.S. optional line features are available:

   Call Forwarding-Busy Line
   Call Forwarding-Don't Answer
   Selective Call Forwarding-Busy line
   Selective Call Forwarding-Don't Answer
   Call Forwarding-Variable
   Call Forwarding-Busy Line, Attendant
   Call Forwarding-Don't Answer, Attendant
   Call Forwarding-Multipath
   Call Pickup and Call Hold
   Directed Call Pickup
   Call Park
   Originating Call Waiting
   Terminating Call Waiting
   Dial Call Waiting
   Speed Calling (30-number or 80-number shared list)
   Speed Calling (6-number private list)
   Automatic Call Back*
   Distinctive Ringing (Class A)*
   Distinctive Ringing (Class B)*
   Call Diverting
   Customized Call Diverting
   Caller ID

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations

   a. Call Forwarding Features

      1. Call Forwarding-Busy Line#
      2. Call Forwarding-Don't Answer#
      3. Selective Call Forwarding-Busy Line#

         Selective Call Forwarding-Busy Line and Selective Call Forwarding- Don't Answer provide forwarding differentiation to each station so arranged. DID (outside of system) calls can forward to a different number than do intercom (inside of system) calls. These features are available in a #5ESS central office only.

* Requires common equipment at rates additional to those shown in D. following
\# Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

a. Call Forwarding Features (cont'd)

4. Selective Call Forwarding-Don't Answer# -- see 3. preceding.

5. Call Forwarding-Variable

(a) General

Call Forwarding-Variable to numbers inside the system provides forwarding of calls within the C.S.S. system and can be provided to individual lines. Call Forwarding-Variable inside and outside will allow a station to call forward to points inside or outside of the C.S.S. system. Call Forwarding-Variable outside may only be provided to lines arranged for Call Forwarding Variable inside. If Call Forwarding-Variable outside is provided, all lines arranged for Call Forwarding-Variable inside must then be arranged for both Call Forwarding-Variable inside and outside.

(b) Call Forwarding-Variable to numbers inside the system, station and attendant activated, each#

(c) Call Forwarding-Variable to numbers outside the system, station activated, each# The grade of transmission obtainable with the Call Forwarding-Variable outside feature may vary depending on the distance and routing necessary to complete the call. Therefore, the normal grade end-to-end transmission is not guaranteed on such calls.

6. Call Forwarding-Busy Line, Attendant#

Call Forwarding-Busy Line, Attendant and Call Forwarding-Don't Answer, Attendant provide the capability for incoming calls to an attendant position to be sent back to that position in the event the forwarded to line is busy, or not answered in a predetermined number of rings.

7. Call Forwarding-Don't Answer, Attendant# -- see 6. preceding.

8. Call Forwarding-Multipath#

Provides for the simultaneous forwarding of multiple incoming calls where adequate facilities are subscribed to for their termination. One such Multipath feature is required for each type of Call Forwarding feature and each line with which it is associated. Availability is limited to an intra-office basis except where the Company determines that inter-office forwarding is technically feasible.

Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

b. Call Pickup Features

1. Call Pickup of lines in a preselected group and Call Hold

Call Pickup and Call Hold, each#

2. Directed Call Pickup

Directed Call Pickup may only be provided to lines also arranged for Call Pickup.
Directed Call Pickup, each#

c. Call Park Features

Call Park, each#

Call Park allows a call to be held in a parked state for later retrieval from any attendant console or station set.

For music while a call is held, see *Centrex Service* in this Section.

d. Call Waiting Features

Call Waiting provides a tone signal to indicate to a customer, whose line is in use, when another call is trying to reach that line. The customer can answer the incoming call while holding the original call.

1. Originating Call Waiting - intercom, each#

Call waiting tone is applied to each busy line within the system called by a line equipped with this feature.

2. Terminating Call Waiting, each#

Call waiting tone is applied to calls terminating in a busy line equipped with this feature

3. Dial Call Waiting, each#

Call waiting tone is applied to a busy line within the system, similar to a. preceding, only when the originator first dials a Dial Call Waiting code.

Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

   e. Speed Calling of exchange and long distance telecommunication calls

      Speed Calling is available in a 30-number or 80-number shared list and in a 6-number private list.

      1. Speed Calling 30-number or 80-number lists may be provided as follows:
         - First 200 lines: Not to exceed an average of 1 list for each 25 terminals provided Speed Calling shared lists.
         - Additional lines over 200: Not to exceed an average of 1 list for each 50 terminals provided Speed Calling shared lists.

      2. When Speed Calling is provided from #1 or #2 ESS switching equipment, a line may have access to only one 30-number shared list or 80-number shared list, and only one 6-number private list. The maximum number of 30-number or 80-number lists is limited to 100 per customer in #1 ESS and 60 per customer in #2 ESS.

      3. For customers not requiring the allotted quantity of 30-number or 80-number shared lists or when such allocation exceeds the limits of the #1 or #2 ESS switching equipment, the Company will allow, at no additional charge, a substitution of four 6-number private lists for each 30-number or 80-number list not used. Additional 6-number lists are available at the charges shown.

      4. Access to 30-number shared list, each#

      5. Access to 80-number shared list, each#

         Each system so arranged has an I.N.C. of $1,100.00 /E8DPS/

      6. Access to a 6-number private list, each#

Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

f. Automatic Callback

1. Automatic Callback permits a C.S.S. line user who attempts an intercommunication call to a busy C.S.S. line to be automatically connected to that line when both called and calling lines are subsequently idle. Automatic Callback is only operational for intercommunication calls between main lines served by the same No. 1 ESS customer group. Both the calling and called C.S.S. line are permitted only one Automatic Callback request at a time. Once requested, Automatic Callback will remain active for a period not to exceed thirty minutes unless deactivated by the calling C.S.S. line.

2. Automatic Callback common equipment is required per C.S.S. system.

   Common equipment, per system /ACY/ has an I.N.C. of $508.83 and a monthly rate of $38.77.

3. Each C.S.S. line equipped #

g. Distinctive Ringing and Call Waiting Tone

Distinctive Ringing and Call Waiting Tone are furnished in different classes which permit the users of C.S.S. lines to identify the source of calls. These two classes identify:

Class	Call Source
A	Direct inward dialed local and toll Intercommunication Attendant completed CCSA access line Tie line
B	Preemptible SCAN access line Dial Call Waiting Call Waiting-Originating 51A Console night service arrangement

Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

g. Distinctive Ringing and Call Waiting Tone (cont'd)

Distinctive ringing is furnished to indicate the source of calls to idle lines. Distinctive tone is furnished to indicate the source of calls to busy lines equipped for Call Waiting.

A distinctive ringing/tone is furnished to each class and is used to identify all call sources within each class. Class B ringing/tone may be furnished separately or in association with Class A ringing/tone.

Class B tone associated with Call Waiting-Originating or Dial Call Waiting will only be provided where all such lines in the same No. 1 ESS customer group are commonly equipped with Class B tone.

Where a customer's system is equipped with a 51A Console and is arranged for Class A ringing/tone, Class B ringing will be provided to identify night service arrangement extended calls to lines at no additional charge.

Distinctive Ringing common equipment is required for both Class A or Class B ringing/tone per C.S.S. system.

Common equipment per system /DRR/ has an I.N.C. of $189.96 and a monthly rate of $35.86.

Class A ringing/tone, per C.S.S. line equipped#

Class B tone per C.S.S. line equipped with either Call Waiting-Originating or Dial Call Waiting, each#

Class B ringing/tone per preemptible SCAN access line terminal, each#

Rates shown in D. following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

h. Call Diverting Features

1. Call Diverting

Call Diversion associated with a C.S.S. system permits the screening of outgoing message network calls so that completion of these calls to preselected areas may be denied. Calls prohibited from completing are routed either to a recorded announcement or to a tone at the option of the Company. Call Diversion may be applied to either lines or tie lines which terminate in the C.S.S. system.

Each line or tie line arranged for call diverting#

The calling areas beyond which calls are diverted for each of the service areas:

	Business Usage Service	Message Rate Service	Local Area Service
Calling Areas			
1 Message Unit Area		X	
Minutes of Use Area Bands A, B, C or D	X		
Local Numbering Plan Area*	X	X	X
Intrastate Area	X	X	X
Local Calling Area of:			
Local Area Service		X	X
Numbering Plan Areas Except			
International Direct Distance Dialing Areas	X	X	X

Rates shown in D. following.

* Effective on and after November 11, 1989, the standard Local Numbering Plan Area for Call Diverting Service provided in Area Codes 312 and 708 will include both area codes. At customer request, however, the Local Numbering Plan Area may be limited to the area code (312 or 708) in which the customer is located. Customers requesting a change in the Local Numbering Plan Area are subject to applicable Service Charges as set forth in Part 3, Section 1.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

C. Centrex Switching Service Optional Line Features (cont'd)

3. Centrex Switching Service Optional Line Feature Descriptions and Regulations (cont'd)

h. Call Diverting Features (cont'd)

2. Customized Call Diverting

(a) General

Customized Call Diverting permits the screening of outgoing message network calls so that call completion will be denied to Directory Assistance number(s), i.e., 411, 555-1212. Calls prohibited from completing are routed either to a recorded announcement or to a tone at the option of the Company.

(b) Customized Call Diverting has an I.N.C. of $185.00 per system. In addition, each line restricted is subject to the rates in D. following.

(c) Blocking of telephone numbers with the 976 prefix or 900 special access code is available to Centrex customers upon request without charge. Service Ordering Charges do not apply to orders requesting that only these numbers be blocked.

i. Caller ID

The network portion of Caller ID will be determined in accordance with the PBX trunk equivalents specified in Part 4, Section 2. The charges specified in Part 7, Section 2, apply to lines determined to be the network portion of Caller ID.

The intercom portion of Caller ID is available on a per line basis at the rates and charges specified in this Guidebook. Caller ID will only be available to Centrex customers purchasing both the network and intercom components of this feature.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

D. Centrex Switching Service Optional Line Feature Rates

C.S.S. optional line feature rates are not subject to Company initiated increases during the contract period selected by the customer for the capacity category. (See A.8. preceding for C.S.S. Capacity Category contract periods.)

The following are the monthly rates for individual features or groups of features shown in C. preceding. Where applicable, these rates are in addition to rates for common equipment required to furnish the feature. Common equipment rates, where applicable, are shown in C. preceding.

The following are per Centrex Switching Service line so programmed:	Per Mo.
Any one (1) feature shown in C. preceding	$1.20
Any two (2) features shown in C. preceding	2.40
Any three (3) features shown in C. preceding	3.60
Any four (4) features shown in C. preceding	4.40
Any five (5) features shown in C. preceding	5.00
Any six (6) features shown in C. preceding	5.50
Any seven (7) features shown in C. preceding	6.00
Any eight (8) features shown in C. preceding	6.30
Any nine (9) features shown in C. preceding	6.50

E. Centrex Switching Service Rates

1. Mileage Charges are as shown under *Centrex Service (Mileage Charges)* in this Section.

2. Attendant Positions are as shown in Part 20, Section 5.

3. Routing Features are as shown in Part 20, Section 5 and in *Centrex Service* following.

4. Supervisory Features are as shown in Part 20, Section 5.

5. Terminating Arrangements are as shown in *Centrex Service* following.

6. Call Answer and Transfer Features are as shown in Part 20, Section 5.

7. Call Restriction Features are as shown in Part 20, Section 5.

8. Data Collection Features are as shown in Part 20, Section 5 and in *Centrex Service* following.

9. Announcements are as shown in Part 20, Section 5.

10. Electronic Tandem Switching (ETS) Features are as shown in *Centrex Service* following.

11. Other Centrex Optional Features are as shown in *Centrex Service* following.

/1/ See paragraph F. following for the provisioning of C.S.S.

CENTREX SWITCHING SERVICE (C.S.S.)/1/ (cont'd)

F. Provisioning of C.S.S.

Centrex Switching Service (C.S.S.) will not be provided to new customers on and after February 26, 1993. Customers having this service or who have placed an order or have executed a letter of intent to place an order and had it accepted by the Company as of that date, may continue such service from their present central office. As of February 26, 1993, any customer under service agreement or contract for C.S.S. may not extend, renew, or otherwise lengthen the term of that agreement or contract for service; however, additions or deletions of lines or features to such customer's existing service agreement or contract are permissible. Upon expiration of the agreement or contract term, service may be continued on a month-to-month basis, at the then applicable guidebook rates (if expiration occurs on or prior to April 30, 1999). If such expiration occurs after April 30, 1999, customers must choose another service upon expiration of their existing agreement or contract term.

Current month-to-month customers may continue service on that basis, but may not execute service agreements or contracts after February 26, 1993. All month-to-month customers must choose another service by April 30, 1999.

The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this guidebook without prior written consent of the Company. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in this guidebook are superceded.

In the event that C.S.S. is terminated at any location for such a customer, C.S.S. service will not be re-established. The following do not constitute a termination:

- The primary location for C.S.S. is moved to a new location within the serving central office at the same capacity category.

- Move to a secondary location at which the customer is already being served.

- Election of a new capacity category.

CENTREX SERVICE

ITAC Supplemental Charge
Centrex lines are subject to an ITAC supplemental charge, as found in Part 8, Section 9.

A. General/1/

1. C.O. Centrex Service is a competitive telecommunications service provided by a telecommunications system in which the equipment controlling the switching is located in a Company central office and:

   - calls from the exchange network are switched under the control of that equipment to the Centrex lines,

   - calls from the Centrex lines are switched under the control of that equipment to the exchange network,

   - intercommunicating calls are switched under the control of that equipment between Centrex lines,

   - direct inward dialing is provided to the Centrex line by line selection in the central office or on the customer's premises under the control of the equipment in the central office,

   - identified outward dialing is provided for the Centrex lines by line identification in the central office.

2. Centrex Service (Basic)* replaces Centrex Types 1, 2 and 2+ for customers having these types of Centrex prior to September 20, 1984. Centrex Type 1 and 2 will not be provided after September 20, 1984.

   Centrex Switching Service (Basic) includes switching equipment and facilities necessary for intercommunication between stations associated with a system, in-dialing directly to stations, attendant call transfer of incoming calls from one station to another, identification of outgoing toll messages and billing of toll messages by line number, console or cord switchboard attendant operation, a night answering arrangement for directory number calls, station transfer, consultation-hold and add-on conferencing of all calls, trunk answer from any station other than fully restricted stations, Touch-Tone calling and a listing in the Alphabetical Listing Information (T)
   System of the customer's name. (T)

* Systems served from #5 Cross-Bar central offices will not have station transfer, consultation-hold, add-on conferencing or trunk answer from any station capability.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

2. (cont'd)

   Those features previously provided as Centrex Type 3 will be provided as optional features to Centrex Service (Basic) to customers who had Centrex Type 3 lines in existence prior to September 20, 1984. These features include attendant camp-on and indication of camp-on at stations on listed directory number calls; speed calling; call pick-up and call-hold; call forwarding-variable to numbers inside the system; call forwarding-don't answer; and call forwarding-busy line.

3. The intercommunications portion of the Centrex line rate is a competitive telecommunications service. The Network Access portion of the Centrex line rate is specified in Part 4, Section 2. Where the Company negotiates an individual customer contract, it will use guidebook rates specified in Part 4, Section 2 for the Network Access portion.

4. Availability of Centrex Service

   The service is furnished subject to the availability of the necessary switching and control equipment. Variations in the switching and control equipment used may cause differences in the operation or availability of certain features. Centrex Service may be provided from the following Service Areas (S.A.'s) when capacity is available.

Exchange	S.A.
Chicago	102, 103, 104, 105, 107, 109, 110, 111, 112, 113, 114, 116, 118, 120, 121, 122, 124
Algonquin	Algonquin
Alton	College
Aurora	Main
Arlington Heights	Arlington Heights
Batavia	Geneva
Bellwood	Bellwood, Hillside
Bensenville	Bensenville
Berwyn	Cicero
Bethalto	Bethalto
Brookfield	La Grange
Calumet City	Calumet City
Cary	Cary
Centralia	Centralia
Champaign-Urbana	Champaign-Urbana
Chicago Heights	Main

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

4. Availability of Centrex Service (cont'd)

Exchange	S.A.
Cicero	Cicero
Crete	Crete
Danville	Danville
Decatur	Main
Deerfield	Deerfield
Downers Grove	Downers Grove
Dundee	Dundee
East Moline	Main
East St. Louis	Bridge
Edwardsville	Edwardsville
Elburn	Elburn
Elgin	Elgin
Elk Grove	Elk Grove
Elmhurst	Elmhurst
Evanston	Evanston
Fox Lake	Fox Lake
Frankfort	Frankfort
Franklin Park	River Grove
Geneva	Geneva
Glencoe	Winnetka
Glenview	Glenview
Granite City	Triangle
Grayslake	Grayslake
Half Day	Wheeling
Highland Park	Deerfield
Hinsdale	Hinsdale
Homewood	Homewood
Itasca	Itasca
Joliet	Main, West
Kankakee	Kankakee
LaGrange	LaGrange
Lake Villa	Lake Villa
Lake Zurich	Lake Zurich
Lansing	Calumet City
Lemont	Main, North, Bolingbrook
Libertyville	Libertyville
Lockport	Romeoville
Lombard	Lombard

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

4. Availability of Centrex Service (cont'd)

Exchange	S.A.
Marengo	Marengo
Maywood	Bellwood, Hillside
Minooka	Minooka
Mokena	Mokena
Moline	Main
Monee	Monee
Mundelein	Libertyville
Naperville	Naperville
New Lenox	New Lenox
Northbrook	Northbrook
O'Fallon	O'Fallon
Oak Lawn	Oak Lawn
Orland	Orland
Oswego	Oswego
Palatine	Palatine
Peoria	Jefferson, East Bartonville, Bluffs
Pistakee Highlands	Fox Lake
Quincy	Quincy
Riverside	Cicero
River Grove	River Grove
Rock Island	Main, Milan
Rockford	Main, East, North Parkside
Roselle	Willow Crest, Main
Round Lake	Round Lake
Skokie	Skokie, Morton Grove
Springfield	Main-Capitol, Lake
St. Charles	St. Charles
Summit	Summit
Warrenville	Warrenville
Wauconda	Wauconda
Waukegan	North Chicago
West Chicago	West Chicago
Wheaton	Wheaton
Wheeling	Wheeling
Willow Springs	Summit
Winnetka	Winnetka
Wood River	North, Main

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

5. The rates shown in C. *Centrex System Rates* following are applied on a per customer location basis, i.e., each premises will be considered a billing group in which the monthly rates for terminals will begin at the "First 100" rates and proceed appropriately. All billing groups must be under the same contract period. Contract periods are specified in 8. following.

6. The rates quoted for Centrex Service are exclusive of telephone instrument charges.

7. INWATS (800 Service) Attendant Answering Lines

   a. INWATS (800 Service) Attendant Answering Lines must be restricted to the answering and transfer of INWATS calls only. Termination of all other incoming calls or origination of calls is prohibited from these lines.

   b. INWATS Attendant Answering Lines may be equipped with any of the following five Centrex Optional Features when a Centrex customer served out of a #1 or #2 ESS also has INWATS service:

      Station Transfer, Consultation Hold and Add-on Conferencing of incoming calls
      Call Pickup and Call Hold
      Originating Call Waiting
      Dial Call Waiting
      Speed Calling

8. Minimum Contract Periods

   Customers who had orders for Centrex Service accepted by the Company prior to September 20, 1984, either for new service or to expand existing service will be governed by the minimum contract periods shown in 8.a following and the rates shown in C.2 following, unless the customer chooses to convert to the 3, 5 or 7 year contract periods shown in 8.b following.

   Additions to existing Centrex Systems made after September 20, 1984, will be provided for under the provisions of paragraph 9. following.

/1/ Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

8. Minimum Contract Periods (cont'd)

a. The minimum contract period is two years for Centrex lines (including fully restricted) and attendant positions.

Reduction or Termination of Service
In addition to any unpaid Special Construction or nonrecurring charges (excluding any waived charges), the following charges apply:

Centrex Lines - The initial two-year contract guarantees the monthly revenue of 25% of the lines for each premises exceeding 75 lines. The termination liability interval shall begin on the installation date or a subsequent date specified in a written order which may include provision for placing the lines in service within a six-month time period. Subsequent two-year contracts are established on the date that the number of lines at a premises increases by 75 lines, and this increase occurs within any six-month time period. The subsequent contracts guarantee the monthly revenue of 25% of these additional lines. When lines are added to a premises that was initially below 75 lines, the subsequent contract provisions will apply.

Attendant Positions - A two-year contract guaranteeing 25% of the monthly revenue of each attendant position (and any common equipment where applicable) for two years from the date of its installation.

In the case of a reduction in service, the most recently installed equipment is the equipment which is removed first.[/1/]

b. Existing Centrex customers must choose to convert to one of the following contract periods:

Month-to-Month
3 years
5 years
7 years

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General (cont'd)

8. Minimum Contract Periods (cont'd)

b. (cont'd)

1. The monthly line rates for Centrex service provided under the 3, 5 or 7 year contract, shown in C.2.a. following, will not be subject to Company initiated increases during the contract period, subject to the following conditions:

(a) Lines are also subject to a $3.60 End Riser Common Line (EUCL) charge as filed for the State of Illinois by the Ameritech Operating Companies in Tariff F.C.C. No. 2. During the term of the contract, the customer shall be liable for all increases in the EUCL charge above S3.60 per line, per month as authorized by the Federal Communications Commission (or by any other regulatory body or commission or court of competent jurisdiction). However, the per month contract charge will be adjusted so that the combined EUCL and per month contract charge will reflect the EUCL increase on a P.B.X. trunk equivalency basis. This will be accomplished by reducing the per month contract charge per line by the difference between: (1) the amount of the EUCL per line increase and (2) the amount of the EUCL per line increase multiplied by the average percentage of P.B.X. trunks to Centrex lines in comparably sized systems. The number of Centrex lines will be those then in service or the minimum number contracted for, whichever is greater.

In the event of a EUCL decrease, the per month contract charge per line will be increased to reflect such EUCL decrease on a P.B.X. trunk equivalency basis in a manner consistent with that detailed above for EUCL increases.

(b) However, an additional option is available to customers taking service prior to January 1, 1988, under a 3, 5 or 7 year contract at rates specified in the guidebook. For customers electing this option, the per month contract charge per line will be increased to reflect a EUCL decrease on a P.B.X. trunk equivalency basis only to the level of the per month contract charge per line specified in the guidebook that was in effect at the time the customer subscribed to the contract service. For such customers selecting this option, the per month contract charge will not be adjusted to reflect any future EUCL increases. Customers who do not advise the Company of their election prior to February 16, 1988, will be subject to the provisions of this paragraph (b).

(c) An extension of a contract as described in A.8.c following is subject to the provisions of (a) preceding.

CENTREX SERVICE (cont'd)

A. General (cont'd)

8. Minimum Contract Periods (cont'd)

   b. (cont'd)

      2. Customers with systems of over 50 lines who convert to a 3, 5 or 7 year contract agree to maintain a minimum of 70% of the lines in service or on order as of contract execution date for the duration of the contract. For customers with systems of 50 lines or less, the minimum is 25%.

      3. Customers who fail to maintain the specified minimum are liable for a $5.70 per line charge for every line below the minimum for the duration of their contract.

      4. If the customer elects a 3, 5 or 7 year contract while still obligated to the provisions of A.8.a preceding, that obligation will be nullified by the provision of the new contract.

   c. Once during the term of a 3, 5 or 7 year contract, a customer may extend that contract subject to the following conditions. The term remaining on the original contract plus the term of the extension ("term of the new agreement") may not be less than 12 months and may not exceed 84 months. This contract extension is in addition to the provisions covered in 9. following.

      The monthly line rate for the existing contract will continue during any contract extension unless a lower rate would apply to the term of the new agreement based on the then current rates for a 3, 5 or 7 year contract. If the term of the new agreement is up to 59 months, the 3 year contract rate would apply; if the term of the new agreement is from 60 through 83 months, the 5 year contract rate would apply; and if the term of the new agreement is 84 months, the 7 year contract rate would apply. The lower rate, if applicable, will become effective on the date the extension is signed. Such rate will not be retroactive.

      Regulations applicable to the 3, 5 or 7 year contracts apply to any extensions.

CENTREX SERVICE (cont'd)

A. General (cont'd)

9. Centrex customers who add Centrex lines to systems do so under the following regulations:/1/

   a. Centrex customers having less than 100 working Centrex lines:

      1. Addition of Centrex lines up to and including the one hundredth Centrex line will be at the monthly rates shown in C.2 following.

      2. Addition of Centrex lines from the one hundred first Centrex line will be subject to the provisions of paragraphs A. and B. preceding and Part 4, Section 2.

   b. Customers having more than 100 working Centrex lines:

      1. The 3 year, 5 year or 7 year contract option selected by the customer will apply to all lines in the system, including those lines added under the provision of 3.(a) following.

      2. If the customer selects the Month-to-Month contract option, the rates shown in paragraph B.3. preceding will be applicable for those lines added.

      3. If the customer selects the 3 year, 5 year or 7 year contract option, the rates, as appropriate to the contract option chosen, shown in C.2.a. following will be applicable for those lines added.

         (a) The maximum number of lines that can be added will be limited by the existing facilities available at the time the customer chooses the contract period. This number, as determined by the Company, will be stated in the contract.

         (b) When additional lines are required beyond the capacity of existing facilities , i.e., the number stipulated in the contract, those lines may be added at the rates shown in paragraph B.3. preceding. In addition, Service Transport Facilities, as shown in Part 5, Section 2, are required.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

A. General[/1/] (cont'd)

10. Centrex customers, including Centrex Term Payment Plan customers, may convert any portion of their existing Centrex System to Centrex Switching Service. Those lines so converted become subject to the regulations and rates shown in 2. preceding, except that Service Establishment charges and Initial Nonrecurring charges for common blocks will not be applicable at the time of conversion.

11. Rates for Centrex Line Features are as specified in E. and F. following.

12. Rates for Centrex Optional Features are as specified in F. following.

B. Usage and P.B.X. Trunk Equivalents

Centrex customers may subscribe to any type of usage service available in the exchange as described in Part 4, Section 2, according to the regulations and rates shown for P.B.X. trunks.

Local Area Service or Extended Local Area Service customers and Extended Message Rate Service customers will pay for usage according to the P.B.X. trunk equivalent schedule as shown in Part 4, Section 2.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

C. Centrex System Rates

1. Centrex Common Block

At least one (1) common block is required per Centrex System. Several factors, including but not limited to the feature mix chosen by the customer, may require that additional common blocks be provided.

	I. N. C.	Per Mo.
Each Common Block	$550.00	$5.00

2. Centrex Line Rates/1/

a. Centrex line rates vary by Access Area as described in Part 5, Section 2. Lines are also subject to a $4.13 End User Common Line (EUCL) charge as filed for the State of Illinois by the Ameritech Operating Companies in Tariff F.C.C. No. 2.

Centrex Service (Basic) lines, including fully restricted lines, each

	Per Mo.			
	First 100	Next 600	Next 1300	Over 2000
Access Area A				
Month-to-Month	$7.29	$5.74	$4.99	$4.49
3 year	6.39	4.84	4.09	3.59
5 year	6.14	4.59	3.84	3.34
7 year	5.89	4.34	3.59	3.09
Amount of each above rate attributable to Network Access	1.23	.35	.31	.31
Access Area B				
Month-to-Month	10.98	6.18	5.43	4.93
3 year	10.08	5.28	4.53	4.03
5 year	9.83	5.03	4.28	3.28
7 year	9.58	4.78	4.03	3.53
Amount of each above rate attributable to Network Access	2.22	.64	.56	.56
Access Area C				
Month-to-Month	$14.52	$6.97	$6.22	$5.72
3 year	13.62	6.07	5.32	4.82
5 year	13.37	5.82	5.07	4.57
7 year	13.12	5.57	4.82	4.32
Amount of each above rate attributable to Network Access	3.65	1.04	.93	.93

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

C. Centrex System Rates (cont'd)

2. Centrex Line Rates (cont'd)

b. Additional Stations - Not on the Same Continuous Property

In addition to station equipment charges if applicable, Type 2001D channel service charges apply for each additional station, as specified in Part 15, Section 2.

CENTREX SERVICE (cont'd)

D. Mileage Charges

1. Inter-Service Area (S.A.) Charges

   a. When the customer's premises is not within the S.A. from which Centrex Service is being provided Type 2001D channel service charges, as specified in Part 15, Section 2, are applicable to each line. Mileage is measured from the appropriate S.A. from which the Centrex Service is being provided to the appropriate S.A. of the customer's premises. The service treatment furnished to these premises will be as if the premises were located in the S.A. from which the Centrex Service is provided.

      When, at the customer's request the premises is served directly from a central office in the same network access area other than the one normally serving the geographic area in which the premises is located, Special Construction Charges as specified in Part 2, Section 5, may apply in addition to Service Transport Facilities from the serving central office, in lieu of the type 2001D channel service charges specified elsewhere in this paragraph.

   b. Customers who have Centrex Service will not be responsible for Inter-S.A. 2001D channel service charges at their existing premises if the Company subsequently redefines the S.A. boundaries affecting the customer. The Company reserves the right to determine the serving central office.

   c. Mileage charges are not applicable to customer's premises having Centrex Service prior to January 21, 1980, and served by the following prefixes in the 312 NPA: 229 and 794, and 708 NPA: 397 and 628.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

D. Mileage Charges (cont'd)[/1/]

1. Inter-Service Area (S.A.) Charges (cont'd)

   d. For lines at the main premises

      1. The rates in C.2 preceding, apply for systems when the customer's premises are in the central office area of the Company office in which the switching and associated facilities are located or in another central office area but within five miles of the office in which such facilities are located.

      2. Where the Centrex "serving central office" is not in the same exchange as the main premises, the S.A. Center for the main premises will be used in place of the serving central office for the purpose of determining the application and billing of mileage. S.A. Center is defined in Part 2, Section 1.

   e. For lines within the same exchange as the main premises:

      1. In the same central office areas as the main premises or in another central office area but within three miles of the Centrex central office serving the main premises, line rates apply as specified in C.2 preceding, with each customer premises treated as a separate property.

      2. In all other cases Type 2001D channel service charges apply for each line as specified in Part 3, Section 1. Line rates apply as specified in C.2 preceding.

   f. For lines outside the same exchange as the main premises:

      For premises beyond three airline miles of the Centrex serving central office or for addresses having fewer than 100 lines on the same continuous property, Type 2001D channel service charges apply as specified in Part 15, Section 2. Line rates apply as specified in C.2 preceding as if this premises and the main premises were on the same continuous property.

/1/ Service will not be provided to new customers under this regulation after December 31, 1975. Customers having service under this regulation or who have placed an order and had it accepted by the Company may continue, or make additions to, such service at their present address or location. In the event this service at any such address or location is terminated for this customer such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

D. Mileage Charges (cont'd)

2. Intra-Service Area (S.A.) Charges

   a. When a customer's premises is within a S.A. served by multiple central offices, and at the customer's request the premises is served by a central office in the S.A. other than the one normally serving the geographic area in which the premises is located, Type 2001C channel service charges, as specified in Part 15, Section 2, are applicable for the interoffice section of each line. These charges are not applicable to premises with working lines in place on or before July 18, 1989. This exemption is applicable only to premises in the central office area where a majority of the customer's service lines from the remote central office are terminated as of July 18, 1989, and applies as long as the customer of record on that date has continuous network service at the premises.

      Any change to a different predominant network service at this customer's premises will be subject to charges applicable to the new service, with the remote central office being treated as the normal serving central office, unless the customer elects to discontinue this arrangement altogether.

      When, at the customer's request the premises is served directly from a central office other than the one normally serving the geographic area in which the premises is located, Special Construction Charges as specified in Part 2, Section 5, may apply in addition to Service Transport Facilities from the serving central office, in lieu of the type 2001C channel service charges specified elsewhere in this paragraph.

   b. Service Transport Facilities (STF) are also applicable to lines provided in accordance with Part 5, Section 2.

E. Centrex Line Features

1. The following Centrex line features are available with Centrex Service subject to the availability of each feature.

2. Centrex Service (Basic) customers may add features at the rates shown in F. following.[/1/]

   There is no minimum number of features or groupings of features that must be obtained, unless specified by the feature.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

3. The following Centrex optional line features are available:/1/

Type 3 Features provided in connection with Centrex Service (Basic)*
Call Forwarding-Busy Line
Call Forwarding-Don't Answer
Selective Call Forwarding-Busy Line
Selective Call Forwarding-Don't Answer
Call Forwarding-Variable
Call Forwarding-Busy Line, Attendant
Call Forwarding-Don't Answer, Attendant
Call Forwarding-Multipath
Call Pickup and Call Hold
Directed Call Pickup
Call Park
Originating Call Waiting
Terminating Call Waiting
Dial Call Waiting
Speed Calling (30-number or 80-number shared list)
Speed Calling (6-number private list)
Automatic Call Back**
Distinctive Ringing (Class A)**
Distinctive Ringing (Class B)**
Call Diverting
Customized Call Diverting
Caller ID

* Rates for this feature package are shown in E.4. following along with the feature descriptions. Rates as shown in F. *Centrex Line Feature Rates* following are ***not*** applicable.

** Requires common equipment at rates additional to those shown in F. *Centrex Line Feature Rates* following.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

4. Type 3 Features[/1/]

	I.N.C.	Per Mo.
The following type 3 Centrex service features may be provided in connection with Centrex Service (Basic) Attendant Camp-on and Camp-on indication at stations on listed directory number calls; speed calling; call pick-up and call hold; call forwarding-variable- to numbers inside the system; call forwarding-don't answer; and call forwarding-busy line	--	$1.50

5. Call Forwarding Features

a. Call Forwarding-Busy Line, eachØ	--	@
b. Call Forwarding-Don't Answer, eachØ	--	@
c. Selective Call Forwarding-Busy Line	--	@
Selective Call Forwarding-Busy Line and Selective Call Forwarding-Don't Answer provide forwarding differentiation to each station so arranged. DID (outside of system) calls can forward to a different number than do intercom (inside of system) calls. These features are available in a #5 ESS central office only.		
d. Selective Call Forwarding-Don't Answer	--	@
See 5.c preceding.		
e. Call Forwarding Variable		
1. General		
Call forwarding-variable inside provides forwarding of calls within the Centrex system and can be provided to individual lines of a feature group. Call forwarding variable inside and outside will allow a station to call forward to points inside or outside of the Centrex system. If call forwarding-variable inside and outside is provided, it must apply to all lines of a feature group. Call forwarding-variable outside may only be provided to lines arranged for call forwarding-variable inside.		
2. Call forwarding-variable to numbers inside the system, station and attendant activated, each˘	--	@
3. Call forwarding-variable to numbers outside the system, station activated, each	--	@

The grade of transmission obtainable with the call forwarding-variable outside feature may vary depending on the distance and routing necessary to complete the call. Therefore, the normal grade end-to-end transmission is not guaranteed on such calls.

Ø This feature is included in the Centrex Type 3 service feature package.
@ Rates shown in F. *Centrex Line Feature Rates* following.

/1/ Centrex Service will not be provided to new customers after September 20, 1984. Customers having this service or who have placed an order and had it accepted by the Company as of that date may continue such service from their present central office. In the event the service at any location is terminated for the customer, such service will not be reestablished.

Also, see paragraph K. following for additional information on Centrex Service provisioning.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

5. Call Forwarding Features (cont'd)

	I.N.C.	Per Mo.
f. Call Forwarding-Busy Line, Attendant Call Forwarding-Busy Line, Attendant and Call Forwarding-Don't Answer, Attendant provide the capability for incoming calls to an attendant position to be sent back to that position in the event the forwarded to line is busy, or not answered in a predetermined number of rings.	--	@
g. Call Forwarding-Don't Answer, Attendant See f. preceding.	--	@
h. Call Forwarding-Multipath Provides for the simultaneous forwarding of multiple incoming calls where adequate facilities are subscribed to for their termination. One such Multipath feature is required for each type of Call Forwarding feature and each line with which it is associated. Availability is limited to an intra-office basis except where the Company determines that inter-office forwarding is technically feasible.	--	@
6. Call Pick-up of lines in a preselected group and Call Hold Call Hold is not operational unless the line is equipped with station transfer of incoming calls Call Pick-up and Call Hold, eachØ	--	@
7. Station transfer, consultation hold and add-on conferencing of incoming calls (this Basic Centrex feature may be individually applied to 800 Service Attendant Answering Lines as defined in A.7. preceding), eachØ* The grade of transmission obtainable with the add-on conferencing feature may vary depending on the distance and routing necessary to complete the call. Therefore, the normal grade end-to-end transmission is not guaranteed on such calls.	--	@
8. Directed Call Pickup, each Directed call pickup may only be provided to lines also arranged for call pickup.	--	@

Ø This feature is included in the Centrex Type 3 service feature package.
@ Rates shown in F. *Centrex Line Feature Rates* following.
* Available on 800 Service.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

	I.N.C.	Per Mo.
9. Call Park		
Call Park, each	--	@
Call Park allows a call to be held in a parked state for later retrieval from any attendant console or station set. For music while a call is held, see G. following.		
10. Call Waiting Features		
Call Waiting provides a tone signal to indicate to a customer whose line is busy when another call is trying to reach that line. The customer can answer the incoming call while holding the original call.		
a. Originating Call Waiting-Intercom, each	--	@
Call waiting tone is applied to each busy line within the system called by a line equipped with this feature.		
b. Terminating Call Waiting, each	--	@
Call waiting tone is applied to calls terminating in a busy line equipped with this feature.		
c. Dial Call Waiting, each	--	@
Call waiting tone is applied to a busy line within the system, similar to a. preceding, only when the originator first dials a Dial Call Waiting code.		
11. Speed Calling of exchange and long distance telecommunications calls		
a. General		
Speed Calling is available in a 30-number or 80-number shared list and in a 6-number private list.		
1. The maximum number of 30-number or 80-number lists is limited to 100 per customer in #1 ESS and 60 per customer in #2 ESS.		
2. When Speed Calling is provided from #1 or #2 ESS switching equipment, a line may have access to only one 30-number or 80-number shared list and only one 6-number private list.		
3. When 101 ESS is the serving vehicle, a line may have access to one or two 30-number or 80-number shared lists; however, 6-number private lists are not available. The maximum number of 30-number or 80-number lists is 13 for the 1A, 2A and 3A switch units and 15 for the 4A switch unit.		
b. Rates		
1. Access to a 30-number shared list, each Ø	--	@
2. Access to 80-number shared list		
- Per system /E8DPS/	$1,100.00	@
- Per line	--	@
3. Access to a 6-number private list, each	--	@

* Available on 800 Service.
@ Rates shown in F. *Centrex Line Feature Rates* following.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

	I.N.C.	Per Mo.
12. Automatic Callback		
Automatic Callback permits a Centrex line user who attempts an intercommunication call to a busy Centrex line to be automatically connected to that line when both called and calling lines are subsequently idle. Automatic Callback is only operational for intercommunication calls between main lines served by the same No. 1 ESS customer group. Both the calling and called Centrex line are permitted only one Automatic Callback request at a time. Once requested, Automatic Callback will remain active for a period not to exceed thirty minutes unless deactivated by the calling Centrex line.		
a. Common Equipment, per system /ACY/	$508.83	$38.77
b. Per line	--	@

13. Distinctive Ringing and Call Waiting Tone

Distinctive Ringing and Call Waiting Tone are furnished in different classes which permit the users of Centrex lines to identify the source of calls. These two classes identify:

Class	Call Source
A	Direct inward dialed local and toll
	Intercommunication
	Attendant completed
	CCSA access line
	Tie line
B	Preemptible SCAN access line
	Dial Call Waiting
	Call Waiting-Originating
	51A Console night service arrangement

Distinctive ringing is furnished to indicate the source of calls to idle lines. Distinctive tone is furnished to indicate the source of calls to busy lines equipped for Call Waiting.

A distinctive ringing/tone is furnished to each class and is used to identify all call sources within each class. Class B ringing/tone may be furnished separately or in association with Class A ringing/tone.

Class B tone associated with Call Waiting-Originating or Dial Call Waiting will only be provided where all such lines in the same No. 1 ESS customer group are commonly equipped with Class B tone.

Where a customer's system is equipped with a 51A Console and is arranged for Class A ringing/tone, Class B ringing will be provided to identify night service arrangement extended calls to lines at no additional charge.

a. Common Equipment for either or both Class A and Class B ringing/tone, per system /DRR/	$189.96	$35.86
b. Class A ringing/tone, per main terminal equipped /BRT/	--	@
c. Class B tone per main terminal equipped with either Call Waiting-Originating or Dial Call Waiting, each /ODT/	--	@
d. Class B ringing/tone per preemptible SCAN access line terminal, each /CCN/	--	@

@ Rates shown in F. *Centrex Line Feature Rates* following.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

	I.N.C.	Per Mo.
14. Call Diverting Service		
Call Diversion associated with a switching system permits the screening of outgoing message network calls so that completion of these calls to preselected areas may be denied. Calls prohibited from completing are routed either to a recorded announcement or to a tone at the option of the Company. Call Diversion may be applied to either lines or tie lines which terminate in the Switching System.		
Each line or tie line arranged for call diverting /RXL/	--	@
The calling areas beyond which calls are diverted for each of the service areas:		

Calling Areas	Business Usage Service	Message Rate Service	Local Area Service
1 Message Unit Area		X	
Minutes of Use Area	X		
Bands A, B, C or D	X		
Local Numbering Plan Area*	X	X	X
Intrastate Area	X	X	X
Local Calling Area of:			
Local Area Service		X	X
Numbering Plan Areas Except International Direct Distance Dialing Areas	X	X	X

@ Rates shown in F. *Centrex Line Feature Rates* following.

* Effective on and after November 11, 1989, the standard Local Numbering Plan Area for Call Diverting Service provided in Area Codes 312 and 708 will include both area codes. At customer request, however, the Local Numbering Plan Area may be limited to the area code (312 or 708) in which the customer is located. Customers requesting a change in the Local Numbering Plan Area are subject to applicable Service Charges as set forth in Part 3, Section 1.

CENTREX SERVICE (cont'd)

E. Centrex Line Features (cont'd)

15. Customized Call Diverting
    a. General
       Customized Call Diverting permits the screening of outgoing message network calls so that call completion will be denied to Directory Assistance number(s), i.e., 411, 555-1212. Calls prohibited from completing are routed either to a recorded announcement or to a tone at the option of the Company.
    b. Customized Call Diverting has an I.N.C. of $185.00 per system. In addition, each line restricted is subject to the rates in F. *Centrex Line Feature Rates* following.
    c. Blocking of telephone numbers with the 976 prefix or 900 special access code is available to Centrex customers upon request without charge. Service Ordering Charges do not apply to orders requesting that only these numbers be blocked.
16. Caller ID
    The network portion of Caller ID will be determined in accordance with the PBX trunk equivalents specified in B. preceding. The charges specified in Part 7, Section 2, apply to lines determined to be the network portion of Caller ID.
    The intercom portion of Caller ID is available on a per line basis at the rates and charges specified. Caller ID will only be available to Centrex customers purchasing both the network and intercom components of this feature.

CENTREX SERVICE (cont'd)

F. Centrex Line Feature Rates

The following are the monthly rates for individual features or groups of features shown in E. *Centrex Line Features* preceding. These rates are in addition to any charges for common equipment necessary for selected features. Common equipment charges are shown in E. *Centrex Line Features* when applicable.

For Centrex Service (Basic) and Centrex Service (Basic) lines equipped with Type 3 features the rates shown following are for those features added that are incremental to the features included in the Basic and Type 3 optionally equipped Centrex lines.

The following are per Centrex line so programmed.

	Per Mo.
For features shown in paragraph E. *Centrex Line Features* preceding …	
Any one (1) feature	$.60
Any two (2) features	1.20
Any three (3) features	1.80
Any four (4) features	2.20
Any five (5) features	2.50
Any six (6) features	2.75
Any seven (7) features	3.00
Any eight (8) features	3.15
Any nine (9) or more features	3.25

G. Optional Features

1. Centrex-Mate Service

a. General

Centrex-Mate service offers customers a mechanized bulk transmittal system as an alternative to the standard service order routine for requesting the Company to implement changes in the capabilities associated with Centrex lines. The changes will be received and recorded by the Company using a multi-user, dial-up system developed for use by the Company in its service order routine. This system will also accept the change requests as inputted by the customer. Improperly formatted or unexecutable requests will be rejected. The customer can request that information as to the current status of previously entered orders he displayed. The system is limited to the receipt of customer orders and the display of order information.

The Company will implement the customer change requests at its earliest opportunity or at a later effective date and time specified by the customer. Access to the system will be gained via a customer-provided data terminal as specified in C. following. This system does not in any manner expand or change the existing capabilities of the Centrex system but instead serves only as an alternative method of requesting that the Company implement changes on working Centrex lines. Centrex-Mate customers may continue to use standard service order procedures whenever they wish to do so and the implementation of customer changes remains the responsibility of the Company.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

1. Centrex-Mate Service (cont'd)

   b. Availability
   Centrex-Mate service is available to Centrex customers, subject to the availability of facilities, at the charges specified in e. and g. following.

   c. Required Customer Premises Equipment
   The customer interface with the Centrex-Mate system is by a customer-provided 1200 baud, asynchronous video terminal and associated data set. Optionally, a printer may be used to provide paper copies of data.

   d. Centrex-Mate I Features

      1. Customers can exchange the appearance of working lines at the network interface as well as deactivate and restore lines without affecting assigned features. Lines with associated central office equipment (e.g., make-busy arrangement) and lines with associated circuit numbers cannot be exchanged. However, feature changes can be made on such lines and they can be deactivated and restored.

      2. Line Feature Change Capabilities

         (a) Line feature parameters such as the following can be changed:
         Trunk restriction code
         Facility restriction level
         Call pickup group
         Call forward - busy line/don't answer "forward to'- telephone number
         Call forward - don't answer ring cycles
         Change group speed call list
         Change Centrex number from other existing Centrex systems
         Series Completion hunting arrangements (multi-line hunt groups may not be changed by the customer)
         Line class code

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

1. Centrex-Mate Service (cont'd)

   d. Centrex-Mate I Features (cont'd)

      2. Line Feature Change Capabilities (cont'd)

         (b) Line features such as the following can be added or deleted:

         Automatic call back calling
         Call forwarding - busy line
         Call forwarding - don't answer
         Call forwarding - unrestricted source
         Call forwarding - variable (inside the system)
         Call hold
         Call pickup
         Call waiting - originating
         Call waiting - terminating
         Dial call waiting
         Directed call pickup with barge-in
         Directed call pickup without barge-in
         Speed call-individual (six number individual list)
         Speed call-group (30 number shared list)
         Speed call-group control station
         Distinctive ringing and call waiting tone - Type A
         Distinctive ringing and call waiting tone - Type B
         Inhibit ETS queuing

      3. Display and Verification Capabilities:

         (a) The following are illustrative of items which can be displayed as a part of the customer profile:

         Quantity of features in use on lines
         Quantity of pending orders
         Number of Centrex groups
         Number of pickup groups

         (b) Completions such as the following can be verified:

         Orders indicating the active/inactive status of lines
         Orders indicating Centrex-Mate features
         Bulk verification of all orders associated with certain features (e.g., all lines with speed calling, etc.)
         History of completed orders

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

1. Centrex-Mate Service (cont'd)

e. Centrex-Mate I Charges

Total Number of Centrex Lines	I.N.C.	Per Mo.
2 - 29 /MLBO1/	$150.00	$5.00
30 - 99 /MLB02/	450.00	10.00
100 - 299 /MLB03/	1,000.00	15.00
300 - 699 /MLB04/	2,000.00	20.00
700 - 1499 /MLB05/	3,000.00	25.00
1500 - 2999 /MLB06/	4,500.00	40.00
3000 - 4999 /MLB07/	6,000.00	65.00
5000 - up /MLB08/	7,500.00	100.00

If sufficient lines are subsequently added to the system to place the total number of lines installed in a higher bracket, an additional I.N.C. will be billed that is equal to the difference between the I.N.C. for the original number of lines and I.N.C. for the higher line bracket.

Per terminal connect minute (or fraction thereof) to the Centrex-Mate system $.50

f. Centrex-Mate II Features

Centrex-Mate II is an optional service that may only he provided in conjunction with Centrex-Mate I. When a customer subscribes to Centrex-Mate II, charges for both Centrex-Mate I and Centrex-Mate II apply. Two additional features are provided:

1. Simplified Input
   This is an alternative input technique which allows a relatively large number of orders to be entered or verified with a minimum number of keystrokes.

2. Open Network Management Fields
   These fields are available for use by the customer to insert information to be used in identifying and managing the telephone lines under the customer's control.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

1. Centrex-Mate Service (cont'd)

g. Centrex-Mate II Charges

Total Number of Centrex Lines	I.N.C.	Per Mo.
2 - 29 /MLB21/	$1,400.00	$5.00
30 - 99 /MLB22/	1,600.00	10.00
100 - 299 /MLB23/	1,800.00	15.00
300 - 699 /MLB24/	2,000.00	20.00
700 - 1499 /MLB25/	2,500.00	25.00
1500 - 2999 /MLB26/	3,000.00	35.00
3000 - 4999 /MLB27/	3,500.00	50.00
5000 - up /MLB28/	4,000.00	65.00

If sufficient lines are subsequently added to the system to place the total number of lines installed in a higher bracket, an additional I.N.C. will be billed that is equal to the difference between the I.N.C. for the original number of lines and I.N.C. for the higher line bracket.

Terminal connect minutes applicable to the use of Centrex-Mate II features are billable under Centrex-Mate I.

2. Private Facility Termination

Per termination /EES/	2,500.00	600.00

3. Special Use Lines#

a. Electronic Key Line

Provides the capability for an electronic key set to be utilized on a customer's Centrex line. An electronic key line is subject to limited transmission characteristics and the availability of this feature must be determined by the Company on an individual case basis.

Electronic Key Line		
- Group of one or more lines, per order*	200.00	
- Per line /RXRX3, RX5X3, DR6/	25.00	$1.50
Additional Telephone Number		
Per number requested in excess of the total number of Electronic Key Lines /MA6/	5.00	.25

In addition, Centrex or Centrex Switching Service line rates apply.

Available from DMS-100 central office areas, only.
* Applies for line(s) installed at the same time on the same premises.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

3. Special Use Lines# (cont'd)

b. Attendant Line

1. The following capabilities are provided with attendant lines:

Attendant Camp-On (non-data line)
Allows the attendant to extend an incoming call to a busy station, and when the station becomes idle, automatically ring and connect the waiting call.

Attendant Automatic Recall
Times calls extended to a station by the attendant for automatic recall if busy or don't answer conditions are encountered.

Attendant Verification
Queues calls transferred from stations to the attendant on a first-in, first-out basis.

Busy Verification
Allows the attendant to determine whether trunks are busy or idle.

2. Customer premises equipment associated with the Attendant Line is subject to the limitations specified in the following Technical Reference: AM-TR-NPL-850006. This publication may be obtained from:

APEx Support Team
(734) 523-7348

3. Rates

	I.N.C.	Per Mo.
Attendant Line, each /FZD1X/	$1,500.00	$149.26

In addition to the indicated monthly charge, an End User Common Line (EUCL) Charge as filed for the State of Illinois in Ameritech Operating Companies Tariff F.C.C. No. 2 is applicable.

Available from DMS-100 central office areas, only.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features

a. Centrex Service Summary Report

1. General

The Centrex Service Summary Report provides a weekly tally of certain Centrex feature usage. Centrex feature usage is tallied for the hour requested each day of the study week, and weekly averages are calculated for each report.

(a) Reports are mailed to the customer after the collection of data. The Centrex Service Summary Report can be provided only where facilities permit. The completeness and accuracy of the data is not guaranteed.

(b) The Centrex Service Summary Report includes the following peg counts and tallies of feature usage:
- Console Associated Calls
- Station-to-Station Transfers
- Call Hold and Call Pick-Up Usage
- Forwarding Feature Usage
- Attendant Queue Usage

The specific detail and format of the report will be determined by the Company.

2. Rates

	I.N.C.	Per Mo.
Centrex Service Summary Report		
- Weekly /CSSWX/	$70.00	$25.00
- Single Report /CSS1X/	55.00	--

b. Customer Line Measurement Report

1. General

The Customer Line Measurement Report provides a weekly summary of certain line activity on customer network facilities. This service provides overflow counts on hunt groups and peg count, usage and overflow on Centrex lines. The report can only be provided where facilities permit. The completeness and accuracy of the data is not guaranteed.

2. Rates

	I.N.C.	Per Mo.
Per Line Equipped /NFV/	$100.00	$60.00

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

c. Force Management "Quick Look" Report

1. General

(a) The Force Management "Quick Look" Report for Uniform Call Distribution customers provides data collection, summarization and analysis for trunk groups on a minimal delay basis. The report is transmitted via a regular exchange access line at the intervals requested.
(b) The menu of report items is determined by the Company, and the number of reports requested must be transmitted in consecutive half-hourly periods. The completeness and accuracy of the data is not guaranteed.
(c) The reports are produced in half-hourly intervals.
(d) The "Quick Look" Report can only be provided where facilities permit.
(e) A Report Modification Charge will apply to any customer requested modification of the menu after implementation of the initial request for the Force Management "Quick Look" Report.

2. Required Customer Premises Equipment

The customer interface with the Force Management "Quick Look" Report feature is by a customer-provided 1200 baud asynchronous terminal and associated data set. Optionally, a customer-provided printer may be used to provide paper copies of reports.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

c. Force Management "Quick Look" Report (cont'd)

3. Rates

	I.N.C.	Per Mo.
Common Equipment, per UCD system /UQD/	$825.00	
Six to 48 reports per day, in increments of three only, can be provided as follows:		
6 reports per day /UQKAX/	--	$315.00
9 reports per day /UQKBX/	--	380.00
12 reports per day /UQKCX/	--	445.00
15 reports per day /UQKDX/	--	510.00
18 reports per day /UQKEX/	--	575.00
21 reports per day /UQKFX/	--	640.00
24 reports per day /UQKGX/	--	705.00
27 reports per day /UQKHX/	--	770.00
30 reports per day /UQKJX/	--	835.00
33 reports per day /UQKKX/	--	900.00
36 reports per day /UQKLX/	--	965.00
39 reports per day /UQKMX	--	1,030.00
42 reports per day /UQKNX/	--	1,095.00
45 reports per day /UQKOX/	--	1,160.00
48 reports per day /UQKPX/	--	1,225.00
Report Modification Charge, per modification	200.00	

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

d. User Defined Reports

1. General

(a) User Defined Reports include the Centrex Feature Count Report, the Uniform Call Distribution Report and the Customized Usage Report.
(b) User Defined Reports are available in electronic central offices only to the extent that appropriate switching equipment is available as determined by the Company.
(c) The detail parameters and format of each report will be established by the Company. A customer may initially request report detail within these parameters, or may subsequently request a change in the specific detail within the parameters. In the latter situation, the Report Modification Charge will apply. Where the requested modification, in the opinion of the Company, is feasible but beyond the established parameters, the customer will be subject to the charge for a Customized Usage Report, and the modification charge will not apply.
(d) Reports will be mailed to the customer after the collection of the data. The completeness and accuracy of the data is not guaranteed.

2. Definitions

(a) The Centrex Feature Count Report provides a daily tally in half-hourly or hourly intervals of calls handled within a designated terminal group and measures the group's activity and feature usage.
(b) The UCD Performance Report provides a daily tally in half-hourly or hourly intervals of calls answered by the UCD and measures its call handling performance.
(c) The Customized Usage Report is a report designed to meet the customer's request for a non-standard call handling report which cannot, in the Company's opinion, be satisfied by the minor modification of either of the above reports.

3. Rates

	I.N.C.	Per Mo.
Centrex Feature Count Report, per report /UDEFX/	$1,500.00	$400.00
UCD Performance Report, per report /UDEUX/	1,500.00	400.00
Customized Usage Report, per report /UDECX/	2,000.00	400.00
Report Modification Charge, per modification	200.00	--

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

e. Ameritech Call Detail Reporting Service

1. General

Ameritech Call Detail Reporting Service (ACDRS) is a service by which unrated call detail is deposited and accumulated in customer-specific electronic files, each with the storage capacity selected by the customer. Filed call detail is available via dedicated facilities, where available, or can be accessed and retrieved via the message network pursuant to the customer's dial-up request.

2. Availability

(a) ACDRS is offered only to customers who are served by appropriately equipped central offices as determined by the Company.

(b) Dial-up access to ACDRS is shared; therefore, immediate access is not guaranteed.

3. Call Detail

(a) Call detail includes the following information:
Date of Call
Time of Call
Duration of Call
Originating Telephone Number
Call Code
Call Type
Dial Indicator
WATS Band Number, where applicable
Dialed Digits
Carrier I.D.

(b) Call detail will be available for calls originated over exchange access lines, WATS lines, Common Control Switching Arrangement access lines, Enhanced Private Switched Communication Service access lines, Foreign Exchange lines, Foreign District lines, Foreign Central Office lines, Tie Lines or Other Common Carrier Switching System access lines serving the customer. For Foreign Exchange, Foreign District, Foreign Central Office and Tie Line facilities, call detail will include all call attempts, whether completed or not.

Detail will be supplied for the type of calls specified by the customer. To the extent of available capacity, as determined by the Company, the customer may designate a different call-type screening pattern for each group of lines equipped for ACDRS.

(c) The completeness and accuracy of call detail is not guaranteed.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

e. Ameritech Call Detail Reporting Service (cont'd)

4. Storage Capacity

(a) Call detail will be deposited in the customer's file within 72 hours of the termination of the call; however, the deposit of call detail will generally occur in near real time. Upon its deposit in the customer's file, call detail may be accessed by the customer.

(b) The selection of the amount of storage capacity in the file as well as the ongoing management thereof is the customer's sole responsibility. If at any time storage space is inadequate, additional call detail will nonetheless automatically be deposited and will replace an equal number of stored call detail entries. Stored call detail, which has been held in file for the longest period of time, will be the first to be replaced. Each customer will be provided with storage space for 5,000 call records. At additional charge, additional increments of file storage space will also be available.

(c) At an additional charge, any stored call detail which has been replaced can be retrieved in duplicate form within thirty (30) days of replacement. After 30 days, the duplicate call detail will no longer be available.

5. Limitations

(a) Customer Provided Equipment (CPE) must conform to the ACDRS Interface Specification used by the Company regarding the manner in which call detail will be accessed. Call detail will be made available in the format determined by the Company, but the capabilities and operation of CPE will determine its ultimate display and/or printed format.

(b) The source of the Interface Specification is:
APEx Support Team
(734) 523-4348

The document identification is:
Ameritech Technical Reference
Ameritech Standard
AM TR-OAT-000036

(c) ACDRS is not represented to be the provision of billing detail. Due to reasons such as differences either in reporting periods for calls which are billed by the Company or in reporting periods and/or recording methodologies for calls which are not billed by the Company, ACDRS call detail may not coincide with the customer's actual billing record.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

4. Data Collection Features (cont'd)

e. Ameritech Call Detail Reporting Service (cont'd)

6. Rates and Charges

	I.N.C.	Per Mo.
(a) Initial Nonrecurring Charge - Applicable on a per account basis and applies to the initial request for ACDRS unrated call detail /RSD/	$500.00	
(b) Subsequent Rearrangement Charge - Applicable to subsequent requests for any change or addition in form or type of information being provided /READK/	97.00	
(c) Monthly Charge, including storage space for 5,000 call records, per account /RSD/		$51.50
(d) Monthly Charge for additional increments of file storage space:		
- 5,000 call records, per increment of 5,000 or a fraction thereof /RS51X/		40.00
- 25,000 call records, per increment of 25,000 or a fraction thereof /RS52X/		150.00
- 50,000 call records, per increment of 50,000 or a fraction thereof /RS53X/		275.00
(e) Retrieval of duplicate call detail, charge per occasion /REH1X/	250.00	

5. Routing Features

a. Flexible Route Selection (FRS)Ø

1. General

This arrangement automatically routes outgoing seven-digit and ten-digit dialed calls to an idle facility selected from certain groups of dedicated customer facilities. The sequence of the search for an idle facility is preprogrammed by the customer's choice based on the first three or six digits dialed. If all facilities In the pre-programmed choices are busy, the call will either complete over the Message Toll Service (MTS) network or will be blocked with an over-flow tone provided. FRS Service is offered where facilities permit.

Ø This feature is also called Automatic Route Selection (ARS).

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

a. Flexible Route Selection (FRS)[q] (cont'd)

2. Definitions of terms used in regard to FRS are as follows:

Facility
A facility denotes a specific FX, FD, FCO, CCSA, EPSCS, WATS, Tie Line, announcement trunk, or OCCSS circuit.

Route
A group of like facilities (physical or simulated) which are used to complete seven or ten-digit calls. Examples are: an FX trunk group; a group of Band 5 WATS lines.

Code
Refers to either the Numbering Plan Area (NPA) code of the dialed telephone number or the Central Office code (NNX) within an NPA.

Pattern
A unique sequence of routes arranged in order of choice by the customer and used to reach a specific area code, i.e., NPA code(s) and/or area and office code(s). An example might be: FX Service, WATS Band 3, WATS band 4, WATS band 5 and the MTS network, selected in that order to complete a call to the 215 NPA. Note: Separate pattern charge as defined in 4(c)(i) following for each pattern in each NPA is also charged when six-digit routing is required.

3. Regulations

(a) All route and pattern assignments will be designed by the customer.
(b) The customer is responsible for notifying the Company of any changes required in the customer's (FRS) feature configuration.
(c) All rates and charges for FRS are in addition to the rates and charges for the associated facilities and terminating arrangements.
(d) All patterns must have either the MTS Network, overflow tone or announcement as a final route. Dial "9" may be used as an access code only if the patterns accessed have the MTS Network as a final route. However, customers having FRS in service prior to October 22, 1979, may retain their access codes in existence on that date.
(e) The non-NTS network routes to be accessed via FRS may be selected from the following: FX, FD or FCO lines, Outward WATS access lines, announcement trunks, EPSCS access lines, CCSA off-net access lines, OCCSS access lines meeting the requirements of (f) following, and the tie lines meeting the requirements of (g) following.

q This feature is also called Automatic Route Selection (ARS).

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

a. Flexible Route Selection (FRS)q (cont'd)

3. Regulations (cont'd)

(f) Other Common Carrier Switching System (OCCSS) access lines will be connected to an FRS arrangement under the following conditions:
(i) The patron for the OCCSS access line is the Company's customer for the FRS arrangement.
(ii) The OCCSS access line shall utilize senderized operation and have a dialing pattern, consistent with that used on the MTS network.
(iii) The calls placed over the OCCSS access lines must terminate at the called stations via channels used solely for public communication service and not used or usable for private line service.
(iv) In the event that a call using the OCCSS connected via these OCCSS access lines cannot complete due to a dialing irregularity or limitation of such Other Common Carrier-provided service, the Other Common Carrier shall automatically activate a recorded announcement identifying the nature of the difficulty and further actions required by its patron.
(v) A grade of service equivalent to two calls blocked per 100 attempts or better must be provided by the OCCSS in completing the calls offered via the OCCSS access lines.
(vi) The connection of OCCSS access lines to the Company's FRS Service does not constitute a joint through service and is not part of a Joint undertaking with the Other Common Carrier.
(vii) The termination of the OCCSS access line shall be at a charge or charges as specified by the Company for termination of the specific type of trunk facility required to provide for connection to each Other Common Carrier's service.
(g) Tie lines or tie line groups will only be allowed as routes in FRS patterns provided from electronic central offices. In addition, these tie lines must utilize senderized operation and must have a dialing pattern consistent with that used on the MTS network.
(h) Patterns may be arranged for a maximum of four routes with final route being either to the MTS network, to overflow tone or to announcement channel. (Fixed WATS route advances from WATS facilities accessed via FRS do not count as additional routes.)
(i) A single rate per facility will apply regardless of the number of patterns having access to that facility. The monthly rate specified is applicable to each facility available to the patterns.
(j) Patterns without final route to the MTS Network may be offered only if a customer subscribes to a sufficient number of facilities which, in the judgment of the Company, provide an adequate level of service so as to avoid interfering with the service of others or to prevent others from making or receiving calls over their telephone service.
(k) The same pattern may be duplicated to access various NPA codes and/or area(s) and office code(s). However, the monthly rate must be applied individually to each duplicated pattern.

q This feature is also called Automatic Route Selection (ARS).

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

a. Flexible Route Selection (FRS)q (cont'd)

4. Rates	I.N.C.	Per Mo.
(a) Common Equipment		
Per FRS System (access code) /ART/	$508.83	$9.50
(b) Routing Arrangements#		
(i) Arrangement to provide for routing of calls based on the first three digits dialed, per arrangement /AR9/	203.53	20.35
(ii) Arrangement to provide for routing of calls based on specific office codes within an NPA code (six-digit routing), per NPA code for which such routing is desired /ARH/	203.53	33.92
Note: The customer must have one three-digit arrangement, item (i), to obtain any number of six-digit arrangements, item (ii).		
(c) Route Selection Patterns		
(i) Per pattern		
With final route to the MTS network, each /AS5/	--	8.14
With final route to overflow tone or announcement trunk, each /ARK/	--	47.49
(ii) Per facility terminated in patterns /AR5/	--	2.71
(d) Rearrangements*		
(i) Per occasion	203.53	--
(ii) Additions, deletions or modifications of patterns or routes in patterns, per occasion	33.92	--
(iii) Additions, deletions or modifications of codes or routing patterns for codes in three-digit or in six-digit routing arrangements, per NPA rearranged, per occasion	101.77	--
Note: Additions, deletions, modifications, rearrangements or changes made for the sole purpose of blocking access to telephone numbers with the 900 Special Access Code or the 976 prefix will be provided upon request without charge.		

q This feature is also called Automatic Route Selection (ARS)

For FRS service established within the 312 NPA prior to November 11, 1989 which crosses the Chicago Exchange boundary, Routing Arrangement (i) shall apply to routing between the 312 and 708 NPAs on and after November 11, 1989

* In no case shall the sum of the rearrangement charges exceed the I.N.C.'s for establishing the same service.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

b. Automatic Route Advance Arrangement

Arrangement to automatically route an outgoing call through a series of special service facilities. Facility types allowed are: Tie lines, WATS, and FX lines. A maximum of two alternate route selections can be made and the final route is via the DDD network. All facility types must have identical dialing patterns.

	I.N.C.	Per Mo.	Availability
Each access code arranged /2VP/	$54.28	$39.25	5XB

c. Direct Connect Feature

This arrangement provides for automatic dialing of a fixed telephone number from a telephone line or Terminating Arrangement (as specified in 3.7.6 following). The following charges are in addition to all other charges applicable to lines and Terminating Arrangements.

Originating direct connect feature, each /ODC/	16.48	2.71	1ES, 2ES
Terminating direct connect feature, per terminating arrangement /TCD/	16.48	2.71	1ES, 2ES

d. Automatic Selecting and Routing Arrangement

This arrangement automatically routes an outgoing call to the appropriate full time WATS band associated with the Centrex system. If such band is busy the all is routed to the next highest full time WATS band, and if such band is also busy or not equipped the call is routed to the directed distance dialing calling network for completion.

Each arrangement, per Wide Area Telephone Service Band /47C/	78.51	47.01	5XB

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices
2ES – #2ESS offices
5XB – #5 Cross-Bar offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

e. Selected Customer Control of Facilities

Selected Customer Control of Facilities is a 50A and 51A Console optional service arrangement which permits the attendant to restrict the access of all lines to specific facility groups which are part of a predetermined routing pattern. When the Selected Customer Control of Facilities option is activated for a facility group, calls directed to that group will automatically proceed to the next idle route designated for the routing pattern. When a facility group is restricted by use of the Selected Customer Control of Facilities option, access to that group is restricted whether the call attempt is via a predetermined routing or normal access method.

	I.N.C.	Per Mo.	Availability
Common Equipment, per system /SFY/	$262.65	$15.99	1ES
Facility groups to which access is denied, each /SFF/	16.96	5.38	1ES

In addition, one Type 1001A signal channel and transfer key are required.

f. Call Forwarding Over Private Facilities (CFPF)

Users of Centrex lines may establish the automatic routing of incoming calls to a specific private facility which is terminated in the user's system. As used herein, the term "private facility" applies to CCSA, EPSCS, ETS, WATS, FX, tie lines arranged for senderized operation, and the message network.

The CFPF routing of calls to FX and CCSA off-network access lines requires special No. 1 ESS central office modification. Initially, this optional service feature will not be available for the routing of calls via any facility, FRS pattern or switching service network involving FX. When the No. 1 ESS central office equipment is subsequently modified, such routing will be made available to the customer at no additional charge.

The CFPF routing of calls to EPSCS and ETS requires special No. 1 ESS central office modification separate from that above. Initially, this optional service feature will not be available for the routing of calls via EPSCS and ETS. When the No. 1 ESS central office equipment is subsequently modified, such routing will be made available to the customer at no additional charge.

Incoming message network and INWATS calls to lines arranged for CFPF routing are subject to the appropriate charges for such calls and a common recorded announcement is furnished to inform the caller that the call is being forwarded.

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

5. Routing Features (cont'd)

f. Call Forwarding Over Private Facilities (CFPF) (cont'd)

Calls forwarded to the message network and WATS are subject to the appropriate charges for such calls.

Where the CFPF feature routes calls to a specific private facility which is denied access by activation by the Attendant Control of Facilities feature, those calls will instead be routed to a common recorded announcement which refers the caller to the attendant.

	I.N.C.	Per Mo.	Availability
Common Equipment, per system /EAY/	$470.06	$105.64	1ES
Per line equipped /EAP/	1.50	4.75	1ES

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

6. Terminating Arrangements

a. Dial Private Line Terminations

1. General

(a) Dial private line termination units are used to connect dial-type tie lines, Telecommunications Channel Service, private switched network access lines, Other Common Carrier (OCC) private communication services or similar services from Centrex dial switching equipment to a P.B.X. or Centrex system. The system may be Company-provided, customer-provided, or OCC-provided. Telecommunications Channel Service is construed to mean any intrastate (intrabuilding, intraexchange, interbuilding and interexchange) or interstate service that directly connects a Centrex system to another Centrex, P.B.X., private switched network switch or similar system.

(b) Dial private line termination units are provided only when the equipment of the Centrex system will permit the units to function as designed. This determination is the sole prerogative of the Company.

(c) Specific dial private line terminations may be used only when the signaling and control protocols for the originating, intervening and/or terminating P.B.X. systems, Centrex systems, private switched network switch or similar systems, are compatible for operation in either a cut-through or senderized mode.

2. Definitions

Cut-Through Operation
A mode in which the progress of call establishment over a private line (or similar) service or OCC service is under user control, i.e., digits are dialed into each intervening system and/or to the terminating switch upon receipt of dial tones from each intervening system and/or the terminating switch. The number of digits dialed to complete a call may vary for each call attempt, depending upon the number of intervening systems involved and digits required by each system or switch.

Senderized Operation
A mode in which all dialed digits following the access code are collected and stored by the originating Centrex until the required number has been received for call establishment. When the necessary control signals have been received or upon the appropriate time delay, the stored digits are forwarded to the next intevening system and/or to the terminating switch.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

6. Terminating Arrangements (cont'd)

a. Dial Private Line Terminations (cont'd)

3. Rates and Service Charges	I.N.C.	Per Mo.
(a) Common Equipment, per group /479/	$24.23	$7.80
(b) Basic Private Line Termination (BPLT) This termination provides connection for all types of cut-through, call originating, dial tie line terminations. This termination includes Other Common Carrier (OCC) private communications as well as Enhanced Private Switched Communication Service (EPSCS) without Automatic Calling Station Identity (ACSI) access lines that operate in a cut-through, call originating mode, each /BP1/	96.92	34.75
(c) Basic Senderized Private Line Termination (BSPLT) This termination provides connection for all types of tenderized (or equivalent), call originating dial tie line terminations. This termination includes Common Control Switching Arrangement (CCSA) access lines and OCC private communication services that operate in a senderized (or equivalent), call originating mode, each /BP2/	96.92	32.47
(d) Advanced Private Line Termination (APLT) This termination is used for connection of dial private line (or similar) services or OCC services when customers desire full feature capability in a cut-through, call originating environment. It includes EPSCS with ACSI access lines, each /PLS/	96.92	97.89
(i) In addition, when APLT's are provided from an electronic central office, a one-time charge of $314.99 applies per customer system.		
(ii) APLT's provided on EPSCS access lines equipped with ACSI cannot be used in conjunction with optional features, such as Flexible Route Selection, which utilize senderized operation.		
(e) Advanced Senderized Private Line Termination (ASPLT) This termination is applicable to Electronic Tandem Switching (ETS) access lines or inter-tandem tie lines, each /ETX/	96.92	36.78

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

6. Terminating Arrangements (cont'd)

a. Dial Private Line Terminations (cont'd)

3. Rates and Service Charges (cont'd)	I.N.C.	Per Mo.
(f) Foreign Exchange (FX), Foreign District (FD) or Foreign Central Office (FCO) Line Access. This termination provides telephone exchange service from an exchange or district other than the one in which the customer is located, each /AA1/	$96.92	$21.71
(g) Metroline Terminating Arrangement. This terminating arrangement is required to provide Station Message Detail Recording (SMDR) details on Metroline calls. It is also required to provide Metroline service in those Flexible Route Selection (FRS) arrangements served by No. 2 or No. 2B ESS central offices, each /RAK/	150.00	21.71
In addition, a charge of $65.00 applies on each occasion that one or more Metroline Terminating Arrangements are added.		
(h) Terminal-Type Tie Line Provides dial selection of the tie line from within the Centrex system by means of a station access code and from the message network by means of the office prefix plus the station access code which signals an operator at the distant end, each /RXN/	24.23	20.06
Note: Common equipment charges specified in 3.(a) and charges for additions deletions or changes specified in 3.(i) do not apply to Terminal-Type Tie Line.		
(i) Additions, deletions or changes to an existing Centrex System		
Addition or deletion of one or more trunk groups in a system, per occasion (in addition to Common Equipment charges)	276.22	
Additions, deletions or changes of one or more trunks to existing trunk groups in a system, per occasion	94.01	

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

6. Terminating Arrangements (cont'd)

	I.N.C.	Per Mo.
b. Combined lamp signal arrangement to indicate to console attendants when tie lines are busy and to permit console attendant supervision and monitoring of tie lines - per line, per console /JRY/	$78.51	$35.86
c. Arrangement to provide common attendant position supervision and single directory number service in conjunction with a special serving arrangement at the Peoria Jefferson office for Caterpillar Tractor		
For trunks not arranged for call diverting, each termination /TLW/ The customer will be required to contract for sufficient trunks to handle all of the traffic.	39.74	47.01
d. Special Access Arrangement		
Equipment furnished at Centrex systems equipped with cord switchboards to provide Centrex lines with access to a switched interstate private line network for incoming and outgoing calls. The network access terminals connect access lines from an interstate Switched Circuit Automatic Network (SCAN) in Company premises to the switching equipment of a Centrex system. The SCAN, the interstate private lines associated therewith and the access lines are furnished under the interstate tariffs		
Dial lines including switchboard appearance		
- With priority call control, each Network Equipment /SN3/*	20.35	47.01
- Without priority call control, each Network Equipment /SN9/*	20.35	39.25

* See this Section for associated customer premises equipment.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features

a. Electronic Tandem Switching (ETS) Features are Centrex optional features provided only in association with Centrex Service furnished from Electronic Switching System (ESS) central office equipment located on Company premises, and may be provided, subject to the availability of facilities, to Centrex systems which are served by the same such equipment. ETS Features are comprised of the required features Automatic Route Selection - Deluxe (ARS-D) and Facilities Restriction Levels (FRL). Other optional features may be selected as desired.

b. Definitions
Route
A group of like facilities (physical or simulated) which are used to complete ten-digit calls. Examples are: an FX trunk group or a group of Band 5 WATS lines.
Pattern
A unique sequence of routes arranged in order of choice by the customer and used to reach a specific area code, i.e., NPA code(s) and/or area and office code(s). An example might be: FX Service, WATS Band 3, WATS Band 4, WATS Band 5 and the MTS network, selected in that order to complete a call to the 215 NPA.

c. Required Features
1. Automatic Route Selection - Deluxe (ARS-D)
(a) General
(i) ARS-D allows for the completion of only ten-digit off-network calls to a public network telephone number, after the Centrex ARS-D access code, by automatically scanning the digits and selecting a first choice completing route when available, or subsequent route if first choice route is not available. Routes may include Foreign Exchange, Foreign District or Foreign Central Office lines, WATS lines, access lines to Common Control Switching Arrangements (CCSA) or other compatible arrangements, or the DDD network.
(ii) The final completing route may be the toll network or, at the option of the customer, the call attempt is routed to overflow tone if a Facilities Restriction Level (FRL) is insufficient to complete the call.
(iii) When ARS-D is provided in conjunction with Uniform Numbering/Automatic Alternate Routing (UN/AAR), incoming tie lines from other Centrex or P.B.X. Systems connected directly to the Centrex System may be arranged to have automatic access to the ARS-D and UN/AAR features. When such arrangements are provided, the tie lines to the ARS-D become "dedicated" tie lines and separate tie lines are required from the distant Centrex or P.B.X. System if access is to be provided to other Centrex functions at the ARS-D equipped Centrex System. In addition, when ARS-D is provided in conjunction with UN/AAR, routes may include tie lines to a distant Centrex or P.B.X. System equipped with an ARS-D like capability for subsequent access to the toll network.
(iv) The ARS-D feature provides all number translation and supervision necessary to route the call. More Expensive Route Tone may be supplied, at the option of the customer, as a function of the route selected for a particular call.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

c. Required Features (cont'd)

1. Automatic Route Selection - Deluxe (ARS-D) (cont'd)

(a) General (cont'd)

(v) Time of Day (TOD) Routing is an ARS-D option which permits preprogrammed selection of alternate routing pattern groups for off-network calls (up to three sets of ARS-D routing pattern groups) on a time-of-day and day-of-week basis. Manual override is available with the Facility Administration and Control feature. The maximum number of programmed changes per week is sixteen.

(b) ARS-D is only furnished in association with FRL.

(c) Preferred routes and alternate routes in patterns will be specified by the customer.

(d) A maximum of three ARS-D Pattern Groups with a maximum of sixty-four patterns in each Pattern Group will be provided. The three Pattern Groups referred to will consist of one primary and two additional Pattern Groups for TOD routing.

(e) A maximum of ten routes are provided in a pattern.

(f) Each WATS hand is treated as a separate route.

(g) A maximum of sixty-four Numbering Plan Areas (including the home NPA) may be designated by the customer for routing of calls by central office codes (six-digit translation).

(h) All rates and charges specified for ARS-D are in addition to the rates and charges for the associated facilities and facility terminations.

(i) A single rate "per facility terminated in patterns" will apply regardless of the number of patterns having access to that facility. The monthly rate specified is applicable to each facility available to the patterns.

(j) The charges specified in (p)(iii) following for each code addition or change are applicable whether customer or Company initiated.

(k) Where ARS-D is furnished in connection with UN/AAR, tie lines to other P.B.X. or Centrex System locations may appear as routes in ARS-D patterns only when such tie lines are provided for allowed access to the toll network at the distant P.B.X. or Centrex location.

(l) The TOD Routing feature permits up to sixteen programmed changes in Pattern Groups per week. When additional ARS-D patterns are required due to TOD changes, rates and charges as specified in (p)(iii) following apply to each additional pattern.

(m) Common Control Switching Arrangement (CCSA) access lines (off-net calls) and access lines to other similar arrangements, such as OCCSS access lines meeting the requirements of (n) following, compatible with ARS-D may be included as routes in patterns.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

c. Required Features (cont'd)

1. Automatic Route Selection - Deluxe (ARS-D) (cont'd)

(n) Other Common Carrier Switching System (OCCSS) access lines will be connected to an ARS-D arrangement under the following conditions:
(i) The patron for the OCCSS access line is the Company's customer for the ARS-D arrangement.
(ii) The OCCSS access line shall be arranged for one-way outgoing service for the ARS-D arrangement using a dialing pattern consistent with that used on the DDD network.
(iii) The calls placed over the OCCSS access lines must terminate at the called lines via channels used solely for public communication service and not used or usable for private line service.
(iv) In the event that a call using the OCCSS connected via these OCCSS access lines cannot complete due to a dialing irregularity or limitation of such Other Common Carrierprovided service, the Other Common Carrier shall automatically activate a recorded announcement identifying the nature of the difficulty and further actions required by its patron.
(v) A grade of service equivalent to two calls blocked per 100 attempts or better must be provided by the OCCSS in completing the calls offered via the OCCSS access lines.
(vi) The connection of OCCSS access lines to the Company's ARS-D Service does not constitute a joint through service and is not part of a joint undertaking with the Other Common Carrier.
(vii) The termination of the OCCSS access line shall be at a charge or charges as specified by the Company for termination of the specific type of trunk facility required to provide for connection to each Other Common Carrier's service.

(o) Centrex call diversion and restriction does not function on calls routed via ARS-D.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

c. Required Features (cont'd)

1. Automatic Route Selection - Deluxe (ARS-D) (cont'd)

	I.N.C.	Per Mo.
(p) Rates		
(i) Common equipment per access code, per central office /ASH/	$4,070.64	$290.76
(ii) Route selection patterns*		
(a) Per facility terminated in pattern(s) /ASJ/ Terminating Arrangement charges as specified in G.6.a. also apply.	--	3.88
(b) By NPA code only (three-digit translation) per pattern /ASK/	28.59	4.02
(c) By NPA and central office codes (six-digit translation) per pattern, per NPA /ASO/	124.06	11.82
(iii) Arrangements for additional Pattern Groups for TOD routing, each arrangement /ASZ/	251.99	21.66
(a) Additions, deletions or changes of routes, associated FRL's or More Expensive Route Tone application in existing patterns, per pattern /RCHAP/	28.59	--
(b) Addition of patterns, per pattern	Apply same rates and charges as specified in (ii)(b) and (ii)(c) preceding	
(c) Addition or deletion of a Facility to an existing route	--	--
(d) Additions or changes in NPA or central office code routing, per code, per Pattern Group affected /RCHAC/	23.26	--
(e) Additions, deletions or changes in Time of Day Routing intervals /RCHAT/	37.56	--

* For ARS-D service established within the 312 NPA prior to November 11, 1989, which crosses the Chicago Exchange boundary, the Route Selection Pattern set forth in subparagraph (ii)(b) shall apply to routing between the 312 and 708 NPAs on and after November 11, 1989.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

c. Required Features (cont'd)

2. Facilities Restriction Levels (FRL)

(a) General
(i) FRL is required in connection with ARS-D and is required on each Centrex line and incoming tie line to determine both the types of calls and types of facilities within the privileges of the associated user. When the FRL is transmitted over a tie line to a distant P.B.X. or Centrex system equipped with ARS-D (for call screening at the distant point), it is identified as a Traveling Class Mark (TCM).
(ii) Authorization Codes are an FRL option which allows a station user to dial a code to override the FRL associated with that Centrex line or incoming tie line. The Centrex requests the Authorization Code when the default FRL (i.e., the FRL associated with the Centrex line or incoming tie line) has insufficient privileges to complete the call. The Authorization Code is also inspected for validity as a security check.
(b) FRL is only furnished in association with ARS-D.
(c) A maximum of eight FRL's are available for each Centrex system.
(d) A maximum of twenty-thousand Authorization Codes are available for each Centrex system.
(e) Authorization Codes must consist of a uniform number of digits, with a minimum of three digits and a maximum of six digits.
(f) Customer implementation of change of Authorization Codes or associated FRL requires the Facilities Administration and Control Feature.
(g) All Centrex lines and incoming tie lines with access to ARS-D must be equipped with FRL.
(h) Rates

	I.N.C.	Per Mo.
(i) Centrex station line or Incoming or two-way tie line termination, each /FRKOO thru FRK07/	$4.46	$.15
Terminating Arrangement charges as specified in G.6 also apply.		
(ii) Authorization Codes		
(a) Common equipment /AUA/	5,839.43	324.68
(b) Authorization Codes, per 100 codes or fraction thereof /AUS/	22.19	5.04
(c) Per facility terminated in ARS-D or UN/AAR pattern(s), each /AUF/	--	2.52
(iii) Changes		
(a) Changes in FRL per station or tie line termination each /FRK0O thru /FRK07/	1.50	--
(b) Change in a single Authorization Code and/or associated FRL when Company service order activity is required, each /RCHFA/	1.50	--

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features

1. Deluxe Queuing

(a) General
(i) Deluxe Queuing permits station users to be placed in a queue whenever all facilities in the first choice route in a pattern for completing a particular call are already in use. Two queuing arrangements are available:
Ring-back Queuing (RBQ) - the calling station goes on-hook and is automatically called back when a facility becomes available.
Off-hook Queuing (OHQ) - the calling station remains off-hook and is held in queue until a facility becomes available.
(ii) Calls held in queue beyond a predetermined time limit will be removed from the queue and be routed, at the option of the customer, via either subsequent route choices or to overflow tone.
(b) Calls in queue may overflow to subsequent routes or to tone at the customer's option.
(c) Deluxe Queuing is available with facilities appearing as the primary (first choice) route in ARS-D or UN/AAR patterns.
(d) The text and announcement provided with the Recorded Announcement option will be provided by the Company.
(e) The music for the Music on Queue option must be provided by the customer.
(f) The Music on Queue option requires a voice grade channel between the central office and the customer-provided music source at the customer premises. This feature is available only with OHQ.
(g) Customers must specify the length of time a call is held in queue (threshold time limit) before overflowing to subsequent routes or to overflow tone.
(h) Incoming tie lines can be arranged for OHQ only.
(i) Centrex lines can be provided either RBQ or OHQ. All such lines must be equipped with the same type queuing.
(j) OHQ must be equipped for either Record Announcement or Music on Queue.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

1. Deluxe Queuing (cont'd)

	I.N.C.	Per Mo.
(k) Rates		
(i) Common equipment, per central office /QDC/	$1,793.02	$126.97
(ii) Per facility group equipped /QDF/	79.28	1.94
(iii) Queue slots		
(a) Off-hook queue (OHQ) slot with:		
(i) Recorded announcement, each /QDA/ In addition, recorded announcement equipment is required as specified in (iv) following.	-	18.32
(ii) Music, each /QDM/ In addition, music on queue is required as specified in (v) following.	-	17.45
(b) Ring-back queue (RBQ) slots, each /QDR/	--	11.97
(iv) Recorded announcement common equipment, each /QDE/	39.11	57.18
(v) Music on Queue		
(a) Common equipment, each /QTD/	158.95	137.63
(b) In addition, one 2001D channel is required between the serving central office and the customer's premises.		
(vi) Changes		
(a) Change from RBQ to OHQ or vice versa, per queue /RCHQ1/	33.29	--
(b) Change in the quantity of queue slots, per queue /RCHQ2/	33.29	--
(c) Change in queue threshold time limit, per queue /RCHQ3/	33.29	--
(d) Change in recorded announcement /RCHQ4/	33.29	--
(e) Change in post-queue routing from subsequent routes to tone or vice versa, per queue /RCHQ5/	33.29	--

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

2. Station Message Detail Recording to Premises (SMDR-P)

(a) General
(i) SMDR-P provides a record on magnetic tape equipment located at the customer's premises of all calls originating from Centrex lines to locations outside the same Centrex System. Facility groups may also be designated as requiring originating and/or terminating records.
(ii) Account Codes are an SMDR-P option which permit a station user to dial a code which will appear in the SMDR-P record for that particular call. The Account Code can be used by the customer for account or project identification. Adding an Account Code to a call, where arrangements have been mate to provide this capability, is at the discretion of the station user. Each customer's Account Codes must contain the same number of digits, not to exceed eight, and must not conflict with on-network code assignments.
(b) SMDR-P is not represented to be a provision of billing detail.
(c) Station message detail records to be provision of terminal equipment located at the customer's premises at the rates and charges specified in (k)(ii) following.
(d) The customer must provide suitable space, environmental conditions, 110 volt AC power, and magnetic tape for the equipment located at the customer's premises.
(e) Processing of message detail information (SMDR) by the Company accounting center is not provided with this arrangement.
(f) The customer must designate all lines and/or selected facility groups on which SMDR-P originating and terminating records are to be provided.
(g) Additions or deletions of SMDR-P recording are provided by Company service orders.
(h) Where SMDR-P is provided, a detailed record will normally be made for each completed call. At the option of the customer, arrangements can be made to provide records of calls attempted as well as calls completed. Under certain exceptional conditions, with SMDR-P, calls may be processed without recording the call detail.
(i) SMDR-P includes the recording of Account Codes and Authorization Codes where these optional features are provided.
(j) Account Codes are available with the initial installation of SMDR-P at no additional charge.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

2. Station Message Detail Recording to Premises (SMDR-P)

(k) Rates	I.N.C.	Per Mo.
(i) Central office equipment		
(a) Common equipment, each /MDR/ In addition, one Data Set and associated telephone lines are required.	$3,363.12	$824.79
(b) Per facility terminated in ARS-D or UN/AAR patterns when the system is equipped for originating records, each /MDX/ Applies to each facility terminated in ARS-D or UN/AAR patterns whether or not originating record is provided to the customer.	5.62	6.20
(c) Per tie line facility equipped for terminating records, each /MDT/	5.62	.53
(ii) Additions and changes		
(a) Account Code-change in number of accounting code digits, per system /RCHMA/	20.06	--
(b) SMDR-P records-change from recording completed calls only to all calls attempted or vice versa, per system /RCHMC/	20.06	
(c) Change in status of all station lines or an individual facility from "records - not required" to "records - required" /RCHMF/	5.62	--

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

   d. ETS Optional Features (cont'd)

      3. Customer Administration and Control
         (a) Customer Administration and Control Features are comprised of either or both the Facilities Administration and Control Feature and/or the Traffic Data to Customer (Pollable)/FAR feature.
         (b) A business exchange line termination in each ESS accessed is required. Rates and charges for a business exchange line apply for each such termination provided.
         (c) Facilities Administration and Control
         Facilities Administration and Control permits customer control of parameters which determine user calling privileges, i.e., Authorization Codes and associated FRL. In addition, FRL associated with Centrex lines, tie lines and Authorization Codes may be collectively upgraded or downgraded by invoking a predetermined set of FRL's identified as Controlled Alternate FRL's. Manual control (override) of TOD Pattern Groups and activation or deactivation of queuing is also provided.
         Facilities Administration and Control allows the customer to:
         - Select ARS-D pattern groups and determine status.
         - Activate/deactivate queuing and determine status.
         - Change Authorization Codes and associated FRL's.
         (d) Traffic Data to Customer (Pollable)
         (i) Traffic Data to Customer (Pollable) permits the customer to poll the switching equipment on a daily or hourly basis to obtain certain traffic measurements. Equipment must be provided at the customer's premises to record the traffic data.
         (ii) Facility Assurance Reports (FAR) provide the customer the ability to obtain automatic circuit assurance data via the same equipment utilized to record traffic data. FAR includes, for example, the identity of facilities not accessed or facilities constantly off-hook during a specified period of time.
         (iii) FAR reports listing trunks not accessed and all trunks constantly off-hook in the previous two hours.

         Traffic data reports on trunk groups and queues.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

3. Customer Administration and Control (cont'd)

(e) Rates

	I.N.C.	Per Mo.
(i) Central office equipment		
(a) Common equipment, each /CAX/	$1,366.57	$624.16
One central office common equipment is required in connection with furnishing of either or both (ii) and (iii) following. In addition, one Data Set and one associated telephone line are required.		
(b) Facilities Administration and Control common equipment, each /FA2/	2,549.00	243.27
(c) Traffic Data to Customer (Pollable)		
(i) Common equipment /PTA/	8,567.73	344.07
(ii) Per queue equipped /PTU/	45.55	2.62
(iii) Per facility group equipped /PTY/	45.55	6.20

(ii) Premises equipment
Premises equipment which is compatible with the serving central office equipment, is required in connection with (i)(b) and/or (i)(c) preceding and is provided by the customer. In addition, one data set and associated telephone line are required.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

4. Uniform Numbering/Automatic Alternate Routing (UN/AAR)

(a) General
(i) UN permits station users to place calls via tie lines using a uniform dialing plan. The user dials an access code, followed by a seven-digit number which uniquely identifies a specific on-network line. The number consists of a three-digit location code and a four-digit station line code. (When the same access code is followed by a ten-digit public network number, the call is routed via the ARS-D feature.) The feature provides all number translation and supervision necessary to route the call.
(ii) AAR provides automatic routing of on-network calls to alternate tie line routes when primary tie line routes are busy.
(iii) Automatic Overflow to DDD provides completion of on-network calls via the toll network when all primary and alternate tie line routes are busy.
(b) All calls must consist of a seven-digit called number, preceded by the access code or the access code and Account Code (where this option is provided).
(c) The customer must specify the first choice route and each subsequent route to each Centrex or P.B.X. System involved.
(d) The customer must notify the Company when any change in route or routing sequence is desired.
(e) The maximum number of routes in a pattern is four.
(f) The maximum number of patterns is 180.
(g) Where calls are routed via the toll network, the rates and charges specified for Automatic Overflow to DDD, for P.B.X. Exchange Trunks, and for toll messages are applicable.
(h) The rates and charges specified in (i)(ii)(b) following for tie line facilities terminated in UN/AAR and/or ARS-D patterns apply once per facility, whether terminated in one or both patterns.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

7. Electronic Tandem Switching (ETS) Features (cont'd)

d. ETS Optional Features (cont'd)

4. Uniform Numbering/Automatic Alternate Routing (UN/AAR) (cont'd)

(i) Rates	I.N.C.	Per Mo.
(i) Common equipment /UNR/	$7,826.29	$824.79
(ii) Route selection patterns		
(a) Per UN/AAR pattern /UNP/	28.59	4.02
(b) Per tie line terminated in UN/AAR and/or ARS-D pattern(s) /UNF/ In addition, an ETS tie line termination is required as specified in G.6.a. of this Section.	--	3.93
(c) Per facility for Automatic Overflow to DDD /UNO/	7.41	33.92
(iii) Additions and Changes		
(a) Additions, deletions or changes of routes or associated FRL's in existing patterns per pattern /RCHUP/	28.59	--
(b) Additions of patterns, per pattern	Apply same rate and charge as specified in (ii)(a) preceding	
(c) Additions or deletions of a facility to an existing route	--	--
(d) Additions or changes in "on-network" location code routing, per code /RCHUC/	37.56	--

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

8. Automatic Number Announcement Circuit (ANAC)

a. General

This feature provides an automated announcement identifying the telephone number associated with the calling line within a Centrex system. ANAC is avaiable in appropriately equipped central offices as determined by the Company, and can be accessed via a non-dedicated circuit using a customer specific code. Since this circuit is shared, immediate access is not guaranteed.

b. Rates and Charges	I.N.C.	Per Mo.
(1) Service Establishment charge, Per Centrex system /C3CAS/	$400.00	--
(2) The applicable monthly charge is determined by the number of lines in the Centrex system. For Centrex Systems of:		
2 - 100 lines /NAQ1X/	--	$25.00
101 - 500 lines /NAQ2X/	--	55.00
501 - 2000 lines /NAQ3X/	--	110.00
2001 + lines /NAQ4X/	--	220.00

9. Music-on-Hold

Music or an announcement is provided to the customer for use with lines waiting for connection to a called party. This feature is not compatible with all Centrex feature combinations and is not offered with electronic key line.

Per Centrex group /AUVPG/	160.00	15.00

10. Call Forward, Automatic Dial, and/or Reason Display

Provides the capability to display any call forwarding or automatic dialing number. May also provide the reason and call progress status of a call.

Per Centrex system /FCSPS/	1,000.00	60.00

Note: Limited to systems with no more than 500 display sets.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

11. Centrex Station Identification (CSI)

a. General

1. This feature provides the automatic transmission of a ten digit number and information digits to the customer's tie trunk for calls originating in the Centrex, to identify the calling Centrex station for purposes of billing administration within a private network. The CSI feature is a Centrex central office software function which is associated on a call-by-call basis with all individual transmission paths connected to a trunk group provisioned with CSI.
2. CSI may be provided subject to the availability of facilities and the compatibility of serving central office technology.
3. The ten digit CSI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit CSI telephone number. The ten digit CSI telephone number will be transmitted on all calls except those identified as CSI failure, in which case only the NPA will be transmitted.
4. The CSI telephone number is the telephone number of the calling station and is not the listed telephone number of the customer.

b. Rates and Charges

	I.N.C.	Per Mo.
Per Centrex tie line trunk group equipped /STNPG/	$1,500.00	--
Per Centrex tie trunk /STN/	--	$5.00

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

12. Dial O' And 00' Blocking

a. General

1. This feature requires the programming of a new line class code in the Company's central office for those lines which a customer chooses to restrict.
2. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other Parts of this Guidebook.
3. This service is designed to restrict customer's access to the Company's network operators and to the network operators of any interexchange carrier by blocking O+ or 0- and 00+ or 00-dialing. Calls to the console attendant will not be restricted by this service.

b. Regulations

Provision of Service

1. Dial O' and 00' Blocking is available to Centrex customers where facilities permit.
2. Dial O' and 00' Blocking is a permanent feature for which service orders will have to be issued to change the individual line status to blocking-on or blocking-off.
3. Performance Criteria
The Centrex customer must execute a waiver of liability in favor of the Company in connection with the provision of this service.

c. Rates and Charges I.N.C.

American Airlines

Rate for building the blocking line class code and programming lines	$2,000.00

The above feature provision is coterminous with the customer's contract for Centrex Service.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

13. Attendant Positions

	I.N.C.	Per Mo.
a. Universal Console or Switchboard Position		
1. Common equipment per attendant location for each group of 1 to 4 positions		
Network Equipment /UC9/[1]	$1,424.72	$160.89
2. Console or switchboard position, /RXX++/ or /RXY++/ [2]		
Network Equipment[1,2]	237.45	111.46
3. Attendant trunks to hold calls awaiting completion for each trunk in excess of seven per attendant where service is provided from a #5 Cross-Bar office /SUY/	--	36.25
b. 50A Attendant Console available with Centrex service from #1ESS offices only		
1. Attendant Loops, each		
Network Equipment /CX4/[1]	--	8.83

(Loops are also subject to a $4.13 End User Common Line (EUCL) Charge as filed for the State of Illinois in Ameritech Operating Companies Tariff F.C.C. No. 2.)

2. Arrangement to provide a busy lamp indication when the Direct Station Selection/Busy Lamp Key is associated with a station that is beyond the normal supervisory range of the console.		
Network Equipment /SUH/[1]	--	2.42

In addition, a Type 1001A channel is required as provided for in Part 15, Section 2, for each key.

/1/ See paragraph L. following for associated customer premises equipment.
/2/ Switchboard positions will not be provided to new customers on and after May 31, 1977. Customers having this equipment on that date may retain it at its present or future locations on the same continuous property. Additions to this service may be provided to existing customers.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

13. Attendant Positions (cont'd)

	I.N.C.	Per Mo.
c. 50B Attendant Console available with Centrex service from electronic central offices only, where facilities permit		
1. Attendant Loops, each /EAR/	--	$28.62

(Loops are also subject to a $4.13 End User Common Line (EUCL) Charge as filed for the State of Illinois in Ameritech Operating Companies Tariff F.C.C. No. 2.)

Note: maximum of 16 per Console

2. Arrangement to provide a busy lamp indication when the Direct Station Selection/Busy Lamp Key is associated with a station that is beyond the normal supervisory range of the console.

Network Equipment /SUH/[/1/] — Apply rates as specified in b.2. preceding

In addition, a Type 1001A channel is required as provided for in Part 15, Section 2, for each key.

d. Multi-Position Hunt (MUPH)

The Multi-Position Hunt features provides queuing capabilities for 50A and 50B consoles. Calls are held in queue at the central office until an attendant is available to answer. With this feature, two or more calls cannot ring at the same console at the same time. The MUPH feature is only available where facilities permit.

MUPH arrangement, per line arranged /MP8/	20.00	10.00

/1/ See paragraph L. following for associated customer premises equipment.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

14. Centrex Customer Change Feature (CCCF)

a. General

Centrex Customer Change Feature (CCCF) will allow a Centrex customer to transmit requests involving feature changes on Centrex lines to the Company via an individually programmed Flexible Disk Storage Unit. The Unit will edit the customer input data minimizing potential errors. In addition, the Unit will add descriptive information to aid in implementing the order.

b. Customer Premises Equipment

Customer premises equipment is required in connection with CCCF. The following items of terminal equipment, or equivalent, are mandatory to insure the proper operation of the system. It is the customer's responsibility to secure the terminal equipment or its equivalent. In addition an associated telephone line is required.

1. Flexible Disk Storage Unit including:
   - Dual Drive Unit
   - Extended Forms Generation Option
   - Printer Port and First 4K Memory Increment
2. Asynchronous Printer - Receive Only
3. Asynchronous 300/1200 Modem
4. Asynchronous Terminal Device - Teletypewriter Compatible

c. Rates

	I.N.C.	Per Mo.
1. Centrex Customer Change Feature, per Centrex system Network Equipment /CHG/[/1/]	$445.83	$421.60
2. Associated Centrex systems having same input center as main Centrex subscriber Network Equipment /SUD/[/1/]	443.89	421.60

3. Service Ordering Charges as specified in Part 3, Section 1, apply on the basis of one (1) Service Order Charge per Centrex system for each day that CCCF requests are initiated on that Centrex system.

4. Service Ordering Charges and Service Charges for program changes as specified in Part 3, Section 1, do not apply to changes requested via the CCCF system.

5. Service Ordering Charges and Service Charges for program changes specified in Part 3, Section 1, apply to all program change requests not processed via the CCCF system.

/1/ See paragraph L.1.b.1. following for associated programming and customer training rates.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

15. Centrex Service Provisioning

Effective September 20, 1984, Centrex Service (Basic-CS) was no longer available to new customers. Month-to-month customers currently having this service may continue to be served from their present central office at the rates and under the regulations contained in this Section, until July 1, 1995, at which time the rates and regulations as shown in Part 5 of this Guidebook will apply to Centrex Service (Basic-CS). As of April 24, 1993, any customer under a service agreement or contract for Basic-CS may not extend, renew or otherwise lengthen the term of that agreement or contract; however, additions or deletions of lines or features to such customer's existing service are permissible. Upon expiration of a customer's current service agreement or contract Basic-CS will be provided at the rates and under the regulations as shown in Part 5 of this Guidebook will apply.

In the event that Basic-CS is terminated at any location for such a customer, it will not be re-established. The following do not constitute a termination:

a. The primary location for Basic-CS is moved to a new location within the same serving central office at the same capacity category.
b. Move to a secondary location at which the customer is already being served.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

16. Combination Administrative and Dormitory Service[/1/]

a. General

1. This service is furnished to schools, dormitories at schools operated by private interests other than the school, hospitals having nursing schools, and to retirement and nursing homes and similar geriatric care institutions.
2. Administrative Service is furnished subject to the rates and regulations for Centrex Service specified in this Section, unless otherwise specified.
3. Administrative Service is furnished where the usage is primarily in connection with conducting the business of the customer. Dormitory Service is furnished in dormitories and other living quarters on the continuous property of the customer, where the usage is primarily of a social and domestic nature.
4. Service may be furnished on either of two billing arrangements, as follows:
   (a) Where one account is established for all Dormitory Service lines.
   Under this agreement a single bill is rendered for all charges for facilities and services furnished including charges applicable for message toll services and message unit services originated or received at all lines or stations of the system. The customer is responsible for the payment of all charges.
   (b) Where separate accounts are established for each Dormitory Service line.
   Under this arrangement a separate bill is rendered for all charges for each Dormitory Service line covering the charges applicable for message toll and message unit services originated or received at such lines or extensions. The Company will bill and collect such charges from the users of such service. Any overpayment of $1.00 or less on a final bill for a line will be refunded only upon request. The customer will be responsible for the payment of all other charges applicable for services rendered.
5. The rates and charges for suspension of service for Administrative Service lines are specified in Part 2, Section 4 for Business Service. The rates and charges for suspension of Dormitory Service lines are as shown in Part 2, Section 4 for Residence Service, with each Dormitory Service line treated as a separate residence service.
6. The minimum monthly charge for Administrative and Dormitory lines is that for 200 lines on continuous property.
7. At the option of the customer, Dormitory lines can be billed at the rates shown in C.2 preceding or under the provision of C.S.S. as specified in this Part/Section of the Guidebook. If the C.S.S. option is chosen, the Company will at the request of the customer provide an optional billing arrangement establishing separate accounts for each Dormitory line. There will be a $.75 per month charge for each Dormitory line so arranged.

/1/ Combination Administrative and Dormitory Service will not be provided to new customers on and after May 10, 1987. Customers having this service prior to this date may continue it at their present premises and may make changes and additions to their present service. In the event service is terminated for the customer, the service will not be reestablished at these rates.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

16. Combination Administrative and Dormitory Service[/1/] (cont'd)

b. Rates

1. Network Access

Apply Residence Network Access Line rates as specified in Part 4, Section 2.

2. Usage

	Usage Service [/4/]	Per Mo. [/2/] Message Rate Service [/5/]	Local Area Service [/5/]
Separate accounts for each line /PSADL/, /PSATT/ [/3/]	$1.25	$1.25	$5.60
One account for all lines /PS7DL/, /PS7TT/ [/3/]	.50	.50	4.80

3. Additional rate to equip a Dormitory line for Touch-Tone operation is $0.00

/1/ Combination Administrative and Dormitory Service will not be provided to new customers on and after May 10, 1987. Customers having this service prior to this date may continue it at their present premises and may make changes and additions to their present service. In the event service is terminated for the customer, the service will not be re-established at these rates.
/2/ Effective for services rendered on and after the first day of billing periods beginning on and after July 1, 1990.
/3/ Residence usage charges apply.
/4/ MSAs 1, 2, 3, 6, 7, 9 and 15.
/5/ MSAs 4, 5, 10, 12, 13 and 16.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

17. Airport Telephone Service (Chicago Exchange)

    a. The service is furnished at the O'Hare International Airport and at Chicago Midway Airport in the Chicago Exchange, by means of switching equipment located on Company premises. Service will be provided to agencies associated with airport operation and individual businesses permanently associated with that airport.
    b. Calls between stations of each Airport Telephone Service system are charged on a flat rate basis. Calls from an Airport Telephone Service System to the balance of the Chicago Metropolitan Area are charged on a message rate basis.
    c. The service includes switching equipment and facilities necessary for intercommunication between stations associated with the system, in-dialing directly to lines, station transfer of incoming calls between stations of the same customer, identification of outgoing toll messages and billing of toll messages by station number for each customer, and a listing, where requested, in the Alphabetical Listing Information System of the name of each customer to the service. (T)
    d. Airport Telephone Service is furnished subject to the rates and regulations of Centrex Service specified in C. *Centrex System Rates* preceding and Part 4, Section 2.

18. Combination Hotel Service

    a. This service includes Guest Room Lines and Administrative Lines.
       - Guest Room Lines serve stations located in rooms rented from the customer by transient guests as temporary living quarters.
       - Administrative Lines serve all other stations and are provided under the rates and regulations for Centrex Service.
       - All billing is rendered to, and is the responsibility of, the customer.
    b. Guest Room Line features include: Attendant answering of incoming calls, direct outward dialing, intercommunication between all lines, both administrative and guest room, and identification of message units and toll charges by line.
    c. This service is only offered in the Chicago Exchange in S.A. 105 on a message rate basis subject to the availability of the necessary #1 ESS switching equipment.
    d. The customers dialing pattern may allow single digit access to hotel services. The ability to arrange single digit access is limited since these digits may not conflict with the first digit required for any other purpose, e.g., Type 3 Administrative Lines may not have speed calling if single digit access codes conflict.
    e. Combination Hotel Service is furnished subject to the rates and regulations for Centrex Service specified in A. *General* preceding, unless otherwise specified in this section.
    f. The minimum number of Administrative Lines shall equal ten percent of the number of guest room lines or 20 lines, whichever is greater. The minimum contract requirements for Guest Room Lines are the same as those specified for Centrex Service.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

18. Combination Hotel Service (cont'd)

	Per Mo.
Guest Room Lines	
Chicago Exchange – S.A. 105	$6.18

Lines are also subject to a $4.13 End User Common Line (EUCL) Charge as filed for the State of Illinois in Ameritech Operating Companies Tariff F.C.C. No. 2.)

Additional Stations are only allowed in the same room or suite as the main station.

	Monthly Rate Effective	
	1-1-86	1-1-87
Message Waiting Service[/1/]		
Guest Room Lines, each /MWF/	$.44	$.00

Optional Features Available With Combination Hotel Service

An Optional message register arrangement is provided in G.20.d. following and in L.2.d.1 following.

/1/ These rates apply to Guest Room Lines in service as of January 1, 1984. Billing for all Guest Room Lines on a customer's premises on January 1, 1994, will continue until January 1, 1987, or until complete disconnection of the customer's telephone service at that location.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

19. Supervisory Features

a. Supervisory Turret Arrangements

Arrangement to indicate calls waiting, console or switchboard position availability and alarm signals (ten console or switchboard position capacity), each

	I.N.C.	Per Mo.	Availability
Network Equipment /SUG/ /1/	$141.50	$44.58	1ES, 2ES, 101

b. Dual Termination of Special Service Lines

Arrangement to permit the position attendant to select WATS, FX or tie lines by direct key access; have incoming calls on these lines appear at the attendant position for answering and transfer to Centrex lines; and permit station users to select these lines

Per line /DU4/	116.30	47.01	5XB

c. Attendant Control of Facilities

Arrangement to permit the position attendant to have selective control of individual special service lines having separate access codes

For Switching System Services served from			
#5XB, per line /CFC/	94.01	46.42	5XB
All other switching types, each system /CFU/	94.01	46.42	1ES, 2ES, 101

d. Supervisory Arrangements to Indicate Calls Waiting

Network common equipment, per arrangement/1/ /SUL/	89.17	37.31	5XB

e. Busy Lamps

Arrangement to indicate at attendants' positions when tie lines, WATS, Foreign Exchange or CCSA access lines are busy, per line or group of identical lines

Initial Position, Network Equipment /BUK/ /1/	--	12.07	CO

Availability, to signify available with Switching System Services provided from properly equipped …
CO – equipment located in the central office
1ES – #1ESS offices
2ES – #2ESS offices
5XB – #5 Cross-Bar offices
101 – #101ESS offices

/1/ See L.2.a.1 following for associated customer premises equipment.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

19. Supervisory Features (cont'd)

f. Line Status Arrangement

Arrangement to permit the attendant to verify the traffic busy condition, test individual circuits, and if necessary, pre-empt the connection of Foreign Exchange and Tie Lines terminating in a system

	I.N.C.	Per Mo.	Availability
Per 100 lines or fraction thereof /LS1/	$546.63	$132.78	1ES, 2ES

g. Tie Line Group Busy Register

Per tie line group equipped /MG1/	39.74	14.15	CO

h. Busy Verification of Lines

Permits the attendant to access any busy line within the customer's system to verify and, if necessary, override the connection

Per system /B3B/	78.51	23.45	1ES

i. Attendant Call-Through Test Capability

The Attendant Call-Through Test feature on Centrex Trunks permits the Centrex customer's attendant or station user to select certain trunks and verify the operation of any of these trunks by making a test call. This may be accomplished from non-data link consoles or designated Centrex lines. This feature permits an attendant to select a specific trunk within a Centrex trunk group for testing. If the trunk is idle, the attendant can place a call over the trunk and verify that the trunk is in working order. Trunks which can be tested include tie trunks, tandem tie trunks, network access trunks and two way or outgoing FX trunks

Common Equipment /SXK/	4,100.00	25.00	1ES
Per One Way Trunk Group Equipped /SXV/ /1/	200.00	--	1ES
Per One Way Trunk Group Equipped /SXW/ /1/	14.00	--	1ES

In addition, a line rearrangement charge as found in Part 3, Section 1, applies per console or station line equipped.

Availability, to signify available with Switching System Services provided from properly equipped …
CO – equipment located in the central office
1ES – #1ESS offices
2ES – #2ESS offices

/1/ Per trunk group and per trunk charges apply to one way groups only. For two way trunk groups these charges do not apply.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

20. Call Answer and Transfer Features

a. Connection of Lines with a P.B.X. System

Where a Centrex customer has Centrex lines terminating in a P.B.X. system not having P.B.X. trunks for the P.B.X. stations' network access, the Terminal Type Tie Line terminating arrangement rate will apply for the total number of Centrex lines terminating in the P.B.X. system plus the exchange access rate (Rate Step 1), as specified in paragraph B. preceeding. Rates for tie line mileage as specified in Part 15, Section 2 also apply.

b. Transfer and Answering Arrangements

Transfer and answering arrangement to permit completion at attendant's position of incoming calls to auxiliary line numbers, including key and visual indicator at point of transfer, per auxiliary line group arranged.

	I.N.C.	Per Mo.	Availability
Network Equipment /SUJ/ /1/	$85.29	$49.91	5XB

c. Line Transfer Arrangement

Permits transfer of calls from a group of lines to another line or group of lines; provided only from properly equipped #5XB offices.

Each group of five lines or less /YYQ/	39.74	15.60	5XB

Availability, to signify available with Switching System Services provided from properly equipped …
5XB – #5 Cross-Bar offices

/1/ See L.2.b. following for associated customer premises equipment.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

20. Call Answer and Transfer Features (cont'd)

d. Centralized Attendant Service (CAS)

This service arrangement allows a customer with a number of switching system at different locations to concentrate all attendant functions at a single centralized location.

CAS is provided only when equipment and facilities permit and subject to the following conditions:

- The centralized answering location and the unattended locations must be served from a #1 ESS central office and be equipped with TOUCH-TONE calling

- Centrex Universal Consoles are required at the centralized answering location

- The grade of transmission on CAS calls extended from the unattended location to the centralized answering location is not guaranteed

The following rates and charges are in addition to all other rates and charges applicable to Centrex Service and its associated consoles:

	I.N.C.	Per Mo.	Availability
1. Release Link Trunk Termination at the centralized answering location			
Each group	$610.60	--	1ES
Each termination /EC6/	125.03	$109.52	1ES
2. Release Link Termination at the unattended location			
Each group	610.60	--	1ES
Each termination /EC4/	125.03	62.03	1ES
3. Release Link Trunk - a minimum of two required between the centralized answering location and each unattended location, each	As specified for Type 2001B channel service		

e. Night Service Arrangement

Permits completion of directory listed number calls from a key station when attendant position is unattended.

1. Per station and first night answering and completion line Network Equipment /HYY/	77.54	45.07	5XB
2. Additional night answering and completion lines (maximum of three additional), each /NSL/	39.74	31.01	5XB

Availability, to signify available with Switching System Services provided from properly equipped …
5XB – #5 Cross-Bar offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

20. Call Answer and Transfer Features (cont'd)

f. Centrex Attendant Position Completion Arrangement

Completion to Centrex Attendant positions of calls to more than one Directory Number or more than one type of incoming service or both, per system

	I.N.C.	Per Mo.	Availability
1. Without separate identification per additional directory number or service /1C1WO/	--	$39.25	ALL
2. With separate identification			
(a) Identification by one lamp			
Two directory numbers or services /1C112/	--	94.01	ALL
(b) Identification by separate lamp for each number or service			
Network Equipment			
Two directory numbers or services /1C122/	--	198.69	ALL
Three directory numbers or services /1C133/	--	261.68	ALL
Four directory numbers or services /1C144/	--	332.44	ALL

g. Conference Service/1/

1. Attendant Controlled Conference Service

(a) Permits interconnection of attendant with maximum of either 3 Centrex lines; 2 Centrex lines and one central office or tie line; or one Centrex line and 2 tie lines			
Each conference arrangement /5CJ/[/2/]	$31.01	28.11	5XB
(b) Permits interconnection of attendant with maximum of either 5 Centrex lines; 4 Centrex lines and one central office or tie line; 3 Centrex lines, one central office line and one tie line; or 3 Centrex lines and 2 tie lines			
Each conference arrangement /LER/	390.59	116.30	CO

2. Station Controlled Conference Service
Permits any Centrex line within a system to establish a conference with up to five other Centrex lines in the same system. With attendant assistance, one central office line or one tie line may be substituted for one Centrex line; or two tie lines or one central office and one tie line may be substituted for two Centrex lines

/RSE/	390.59	101.77	1ES, 2ES

Availability, to signify available with Switching System Services provided from properly equipped …
ALL – all switching systems
CO – via equipment located in central office
1ES – #1ESS offices, 2ES – #2ESS offices, 5XB – #5 Cross-Bar offices

/1/ The grade of transmission for conference arrangements may vary depending on the distance and routing necessary to complete a call. Normal grade end-to-end network transmission is not guaranteed.
/2/ New or additional installations of this equipment will not be provided on or after July 23, 1976. Customers with this equipment on that date may retain it at its present location.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

21. Call Restriction Features

a. Direct Inward Dialing Restriction

Restricts DID calls while allowing attendant completed and intercommunication calls. Minimum of 20 equipped lines per Centrex system, except when the system is in an MSA identified with a Ø in A.d. preceding, in which case the minimum is 50, per line.

	I.N.C.	Per Mo.	Availability
/D1R/	--	$3.10	5XB, 1ES, 2ES

b. Flexible Incoming Call Restriction

Key-activated Make-Busy Arrangement for a group of Centrex or central office lines. Incoming calls to these lines are forwarded to another line for completion.

Each group /FRG/	$16.48	7.85

These rates are in addition to rates for a Type 1001A channel required for each group of lines to be activated simultaneously and any equipment at the customer's premises associated with the make-busy arrangement. All lines in the group must be equipped with Call Forwarding-Busy Line.

c. Message Register and Customer Controlled Station Restriction Arrangements

Message Register Arrangement
This arrangement provides message registers at the central office under control of the customer, and denies toll call completion after dialing an access code restricted to message unit calls. A customer premises Inquiry and Display Arrangement (e. following) is used to display and clear the message registers.

Customer Controlled Line Restriction Arrangement
This feature provides the ability to change the status of a Switching System Services line from normal to restriction of outgoing calls, incoming calls, intercom calls, or restriction of all calls. Changes may be on a line-by-line basis or lines may be assigned to prearranged Line Configuration Packages. The changes may be made from an Inquiry and Display Console, a designated administrative station or an attendant console. Unique recorded announcements may be provided by the customer for blocked alls due to various restrictions.

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices
2ES – #2ESS offices
5XB – #5 Cross-Bar offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

21. Call Restriction Features (cont'd)

c. Message Register and Customer Controlled Station Restriction Arrangements (cont'd)

Rates	I.N.C.	Per Mo.	Availability
1. Common Equipment for both Message Register and Customer Controlled Station Restriction Arrangements			
- Per system /EHE/	$542.75	$203.53	1ES
- Per 100 lines or fraction thereof equipped /EHG/	--	30.05	1ES
2. Message Register Arrangement			
- Per 100 lines or fraction thereof equipped /EHJ/	--	10.86	1ES
3. Customer Controlled Station Restriction Arrangement			
- Common equipment, per controlling station /EHK/	339.22	33.92	1ES
- Line configuration packages			
Per package /EHL/	94.98	33.92	1ES
Per 100 lines or fraction thereof equipped /EHM/	--	47.49	1ES
- Recorded announcements			
Per announcement channel /EHP/	61.06	81.41	1ES
Per announcement trunk /EHQ/	16.48	58.15	1ES

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

21. Call Restriction Features (cont'd)

c. Message Register and Customer Controlled Station Restriction Arrangements (cont'd)

Rates (cont'd)

4. Message Register Arrangement for the Holiday Inn-Mart Plaza pursuant to the order of the Illinois Commerce Commission in Docket No. 78-0243 dated March 28, 1979. /1/

	Monthly Rate Effective	
	4-22-80	4-22-81
Message Register Arrangement /MRBAA/	$152.84	$221.61

Commencing April 22, 1982, the rates in 1. and 2. preceding are applicable.

5. Message Register Arrangement for the S and S Apartments, Ltd., pursuant to the order of the Illinois Commerce Commission in Docket No. 78-0243 dated March 28, 1979. /1/

	Monthly Rate Effective			
	4-22-80	4-22-81	4-22-82	4-22-83
Message Register Arrangement /MRBAB/	$50.93	$73.85	$107.10	$155.31

Commencing April 22, 1984, the rates in 1. and 2. preceding are applicable.

d. Foreign Exchange Line Selective Calling Arrangement

Arrangement to permit Centrex lines to place calls over foreign exchange and foreign district lines only to exchanges selected by the customer

For each foreign exchange line, foreign district line or similar group of lines so arranged

	I.N.C.	Per Mo.	Availability
/901/	$39.74	$23.45	101

Availability, to signify available with Switching System Services provided from properly equipped …
101 – #101ESS offices

/1/ These rates apply to the Message Register Arrangement in service as of April 15, 1979. For new installations or additions to the existing service after April 15, 1979, the rates in 1. and 2. preceding are applicable.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

22. Data Collection Features

a. Customer Traffic Record Feature (CTRF)

1. General
   (a) The Customer Traffic Record Feature (CTRF) provides central office traffic data on a customer's Centrex or Uniform Call Distribution (UCD) System. This data will be provided at the customer's premises on an ongoing basis. The completeness and accuracy of the data is not guaranteed.
   (b) CTRF collects traffic data associated with a customer's service and transmits this information to the customer's premises over a dedicated facility where it is printed on a teletypewriter. A maximum of three teletypewriter channels can be provided per central office entity.
   (c) Traffic data is collected on groups of trunks or simulated facility groups. The available traffic measurements are listed in (2) b. and c. following. The customer can specify the format of the printout which includes the groups of facilities to be measured, the column and row labels, and the printout time schedule. The time schedule includes both the days of the week and the hours during the day that the printout is to occur. However, printouts are restricted to occurring on the hour or on the half-hour.
   (d) The Non-Usage Trunk Scan (NUTS) report is an option to CTRF that automatically provides a list of individual customer trunks (excluding those using simulated facilities) which have not been found traffic busy during the preceding two hours. The customer has the option of selecting a printout which lists those trunks that were not traffic busy on an incoming call or a printout which lists trunks that were not traffic busy on any call. The NUTS report is printed on the customer premises teletypewriter every two hours, beginning at 12:15.
   (e) The I.N.C. amount for the Common Equipment may be paid in full when service is established or may be paid adjusted for the time value of money over a 12 month contract period. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company. In the event of termination of service, the remaining I.N.C. contract payments will immediately become due, as adjusted for their then present worth equivalent.
   (f) The minimum contract period for the CTRF Common Equipment is two years. If the service is terminated prior to the expiration of the minimum contract period, a charge is due upon termination of service equal to 80% of the then current monthly rate for the Common Equipment for the remainder of the minimum contract period.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

22. Data Collection Features (cont'd)

a. Customer Traffic Record Feature (CTRF) (cont'd)

2. Rates

	I.N.C.	Per Mo.	Availability
(a) Common Equipment (including central office data set) required to collect and transmit CTRF data, per system /NFB/	$11,533.48	$502.05	1ES
(b) Traffic Measurements (Centrex)			
Provides incoming peg count, outgoing peg count, overflow peg count, traffic usage, and maintenance usage for each group of facilities selected.			
(i) A maximum of one printout in any one hour Per group, per format /NFE/	--	8.82	1ES
(ii) A maximum of two printouts in any one hour Per group, per format /NFG/	--	15.99	1ES
(c) Traffic Measurements (UCD) Provides queue peg count, queue overflow peg count, queue usage, number of calls abandoned from the queue, number of calls answered in more than customer-specified time, number of calls answered in less than customer-specified time, and percentage of calls answered in less than customer-specified time. Available only in UCD systems equipped with the queuing option.			
(i) A maximum of one printout in any one hour Per queue, per format /NFP/	--	12.21	1ES
(ii) A maximum of two printouts in any one hour Per queue, per format /NFQ/	--	21.71	1ES
(d) Non-Usage Trunk Scan (NUTS) Report Per system /NFM/	--	4.07	1ES
(e) Subsequent rearrangement of or addition to the customer's printout format, facility groups measured, column or row labels, or printout time schedule Each occasion	88.20	--	1ES

3. Additional Services Required
(a) Type 1006 Signal Channel between the central office and the customer's premises
(b) Asynchronous Teleprinter

Quoted in Part 15, Section 2

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

22. Data Collection Features (cont'd)

b. Centrex Traffic Data Report Service[/1/]

1. General
Centrex Traffic Data Report Service provides a weekly summary of edited traffic data on all customer network facilities and Uniform Call Distribution services associated with a Switching System Service. This service provides a copy of traffic data collected by the Company for its use. The completeness of the data is not guaranteed.

(a) Customer Network Facilities

This report provides traffic data on all customer network facilities, including Outward WATS access lines, Inward WATS access lines (where served by ESS), tie lines, Foreign Exchange lines, and Common Control Switching Arrangement (CCSA) access lines. The report provides incoming peg count, outgoing peg count, overflow traffic usage and maintenance usage where facilities permit.

(b) Uniform Call Distribution (UCD)

The following traffic data items are available with UCD systems: queue peg count, overflow and usage; calls abandoned from queue; calls answered in less than customer-specified time; calls answered in more than custor-specified time; percent of calls answered in less than customer-specified time.

2. Rates

	I.N.C.	Per Mo.	Availability
(a) Common Equipment, per account /NFW/	$484.60	$48.46	1ES, 2ES, 5XB
(b) Customer Network Facilities, per facility group /NFX/	--	9.69	1ES, 2ES, 5XB
(c) Uniform Call Distribution, per UCD /NFU/	--	38.77	1ES, 2ES, 5XB

Availability, to signify available with Switching System Services provided from properly equipped …
1ES – #1ESS offices
2ES – #2ESS offices
5XB – #5 Cross-Bar offices

/1/ The temporary suspension of service provisions as specified in Part 2, Section 4 do not apply to Centrex Traffic Data Report Service.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

23. Announcements

a. Standard Announcement (Old)/1/

Calls held in queue may be answered by an 11-second announcement. The announcement is applied to the call after the call has waited a predetermined time interval of up to 42 seconds. The waiting interval is specified by the customer.

	I.N.C.	Per Mo.
1. Delay announcement /UCA/	$96.92	$49.43
2. Delay announcement access trunks, each /UCE/	48.46	10.90

b. Standard Announcement (New)

For use as an announcement with Automatic Call Distribution-ESS (ACD-ESS), Uniform Call Distribution (UCD), or Call Denial Announcement for Flexible Route Selection (FRS).

Calls may be answered by a fixed 11-second announcement or an announcement of variable duration in the range from 12 to 24 seconds at 3 second increments, dependent on facilities available.

1. Announcement, each /A8GCE/	67.84	101.77
2. Announcement Access Trunk, each /A8GAT/	48.46	10.90
3. ACD-ESS Console Line equipped, each /A8GTT/	--	1.16
4. Load Dependent First Delay Announcement (ACD-ESS only)		

For customers subscribing to ACD-ESS, at the customer's option the first announcement applied to a queued call may be one of two first announcements based on the time in queue of the longest delayed call.

(a) Announcement, each /A30CE/	67.84	101.77
(b) Announcement Access Trunk, each /A30AT/	48.46	10.90

These rates apply in addition to rates in 1. and 2. preceding.

5. Subsequent change of message content, Each occasion	48.46	--

/1/ Service will not be furnished to new customers after October 12, 1980. Customers having this service or who have placed an order and had it accepted by the Company may continue, or make additions to such service. In the event the service is terminated for the customer, such service will not be reestablished.

CENTREX SERVICE (cont'd)

G. Optional Features (cont'd)

23. Announcements (cont'd)

c. Common System Recorded Announcement for use with Automatic Call Distribution-ESS (ACD-ESS), Uniform Call Distribution (UCD) or Flexible Route Selection (FRS) may be provided dependent upon facilities available

	I.N.C.	Per Mo.
1. Common Equipment, per system /A4GCE/	$3,779.88	$31.01
2. 16-Second Announcement, each /A4G16 /	29.08	186.09
3. 32-Second Announcement, each /A4G32/	29.08	226.79
4. 48-Second Announcement, each /A4G48/	29.08	267.50
5. Announcement Access Trunk, each /A30AT/	48.46	10.90
6. ACD-ESS Console Line equipped, each /A8GTT/	--	1.16
7. Remote Recording, each system /A4F/	--	12.84

Provides the ability to record announcements of variable length (up to 48 seconds). The announcements can be used either for fixed or load dependent first delay announcements

8. Load Dependent First Delay Announcement (ACD-ESS only)
For customers subscribing to the ACD-ESS, at the customer's option, the first announcement applied to a queued call may be one of two first announcements based on the time in queue of the longest delayed call

(a) 16-Second Announcement, each /A4H16/	29.08	186.09
(b) 32-Second Announcement, each /A4H32/	29.08	226.79
(c) 48-Second Announcement, each /A4H48/	29.08	267.50
(d) Announcement Access Trunks, each /A30AT/	48.46	10.90

d. Music After Delay Announcement

1. Common Equipment, per system /A64/	106.61	72.69
2. Music Circuit, each /A7B/	29.08	16.48

CENTREX SERVICE (cont'd)

H. Uniform Call Distribution (UCD)

1. General

   a. Uniform Call Distribution is a service which evenly distributes incoming calls to a group of lines. The service is only provided with Centrex services lines or business lines utilizing electronic central office switching equipment. Provision of the service is subject to the availability of the necessary central office equipment. The customer shall subscribe to a sufficient number of lines equipped with UCD so that no more than 105 of the calls attempting to terminate shall fail to complete in any customer busy hour during 25 days out of a 30 consecutive day study period. Call volume studies will be conducted by the Company as it deems necessary.

   b. Lines equipped with UCD may also be equipped with queuing. Queuing provides for incoming calls in excess of available lines to be held at the central office awaiting completion to the first available line. Each call that is held requires a queue slot.

   c. When queuing is provided with Centrex services lines or business lines in conjunction with foreign exchange, foreign district, foreign central office or Inward WATS lines, Network Call Limiters are required to control the number of simultaneous incoming message network facilities that can go into queue.

   d. Uniform Call Distribution may be supplemented by a Mini-Management Information System (MMIS). The MMIS is an on-premises traffic data and force management device that provides printed reports at specified intervals. MMIS is also available for use with on-premises ACD systems equipped with Standard Force Administration Data leads.

CENTREX SERVICE (cont'd)

H. Uniform Call Distribution (UCD)

2. UCD with Centrex Service Lines

This service is available without queuing.

Description /Billing Code/	Nonrecurring Charge	Monthly Price
a. UCD without Queuing Incoming facilities may include the message network, and dial private line terminations (excluding foreign exchange, foreign district or foreign central office). Appropriate Centrex Services charges apply for incoming facilities terminated. /1/		
UCD feature, each console line /UC4/	$9.69	$1.50
This charge is in addition to the appropriate Centrex services line charge.		
b. UCD with Queuing Incoming facilities may include the message network, dial type private line terminations, foreign exchange lines, foreign district lines, foreign central office lines and 800 Service lines. Appropriate Centrex services charges apply for incoming facilities terminated. /1/		
Queuing is provided equal to one queue slot for each incoming facility. The number of message network facilities is established by Network Call Limiters.		
1. Common equipment, each UCD group /UQZPG/	193.84	34.89
2. UCD feature with queuing, each console line /UC1/	9.69	9.50
- This charge is in addition to the appropriate Centrex services line charge.		
3. Network Call Limiter, each /UCZ/	-	.97
- Each Network Call Limiter allows one simultaneous message network call to compete with calls from other incoming facilities for completion.		

/1/ Specific types of terminating arrangements are covered in G.6 preceding.

CENTREX SERVICE (cont'd)

H. Uniform Call Distribution (UCD) (cont'd)

3. UCD with Business Lines

Description /Billing Code/	Nonrecurring Charge	Monthly Price
This service is available with one-party business direct lines. The service is available with or without queuing.		
a. UCD without Queuing Incoming facilities may include only message network lines. Appropriate charges apply for incoming facilities terminated[/1/]		
1. UCD feature, each console line /UC4/	$9.69	$1.50
b. UCD with queuing Incoming facilities may include the message network, foreign exchange lines, foreign district lines, foreign central office lines and 800 Service lines. Appropriate charges apply for incoming facilities terminated.		
Queuing is provided equal to one queue slot for each incoming facility. The number of message network facilities is established by Network Call Limiters.		
1. Common equipment /UCQ/	193.84[/1/]	48.46
2. UCD feature, each console line /UCP/	9.69	13.57
This charge is in addition to charges for business lines	--	.97
3. Network Call Limiter, each /UCZ/ Each Network Call Limiter allows one simultaneous message network call to compete with calls from other incoming facilities for completion.		

/1/ The nonrecurring charge applies only once when one or more groups are provided on the same order at the same time.

CENTREX SERVICE (cont'd)

H. Uniform Call Distribution (UCD) (cont'd)

4. UCD with Packet Switched Network (PSN) Private Dial-Up Service Facility. The service is not available with queuing

Description /Billing Code/	Nonrecurring Charge	Monthly Price
a. UCD without queuing		
b. Incoming facilities may include only PSN Private Dial-Up Service Facility. Appropriate charges apply for incoming facilities terminated.		
c. UCD feature, each console line /UC4/	$ 9.69	$1.50

5. Additions, deletions or changes to an existing UCD system

a. Additions, deletions or changes to an existing UCD system, per occasion	193.84	-
b. Changes in quantity of Network Call Limiters in addition to charge for existing UCD systems changes, per occasion.	36.83	-

CENTREX SERVICE (cont'd)

I. Ameritech Centrex Message Signal Interface

1. General

Ameritech Centrex Message Signal Interface routes certain called number and other identification via a data link from the Company's central office to the customer's message desk facility. This identification enables the customer's attendants to answer calls on a personalized basis for each station user assigned to a position. The type of call completing to a message desk is identified as either a direct dial call to the message desk directory number or a forwarded call to the message desk from a station served by that position.

Message Signal-served stations may use several types of call forwarding to forward calls to the Message Center. For each forwarded call, the type of call forwarding used is identified.

The Message Signal Interface also allows a Message Center attendant to activate/deactivate an audible message waiting indication (Stutter dial tone) for the Message Desk's client stations. The message waiting indication is available for each station served by Message Desk service.

The identification provided to the customer's equipment includes the following:

a. The number that was originally called
b. The Message Desk number where the call is to be sent
c. The attendant position where the call was sent within a given Message Desk
d. The type of forwarding used:
   Call forwarding - variable (within the system)
   Call forwarding - busy line
   Call forwarding - don't answer
e. The number of the calling station, if the call originated within the same central office switch. The customer's disclosure of the calling number may be made only to other station users in the same Centrex system.

   How this identification is ultimately displayed depends upon the customer provided equipment.

2. Availability

Ameritech Centrex Message Signal Interface is available to Centrex customers served by properly equipped electronic central offices.

3. Other Requirements

A customer provided modem and one 3002 data channel are also required for this service. Rates for a 3002 data channel are found in Part 15, Section 2. In addition, customer provided answering equipment and a message desk controller, which conforms to the technical specifications of the Company, are required.

All charges for call forwarding in paragraph E. preceding apply. In addition, applicable per line Service Ordering Charges, as stated in Part 3, Section 1, apply when call forwarding, visual signaling and/or message waiting indication capability are requested.

CENTREX SERVICE (cont'd)

I. Ameritech Centrex Message Signal Interface (cont'd)

4. Charges

	I.N.C.	Per Mo.
Ameritech Centrex Message Signal Interface, per Centrex Group /AML/(Includes audible signaling)	$1,500.00	$260.00
Options		
Visual signaling, per station equipped* /MWW/		1.50

J. Operator Call Screening Service

This service routes all outgoing network calls from selected lines to a Company operator for handling and is available only where facilities permit. Operator Call Screening Service has an I.N.C. of $400.00 per arrangement, per Central Office. Appropriate operator-handled call surcharges also apply to each call.

K. Centrex Service Provisioning

Effective September 20, 1984, Centrex Service was no longer available to new customers. Month-to-month customers currently having this service may continue to be served from their present central office at the rates and under the regulations contained in this Section, until July 1, 1995, at which time the rates and regulations as shown in Part 5, Section 1 will apply to Centrex Service. As of February 26, 1993, any customer under a service agreement or contract for Centrex Service may not extend, renew or otherwise lengthen the term of that agreement or contract; however, additions or deletions of lines or features to such customer's existing service are permissible. Upon expiration of a customer's current service agreement or contract, Centrex Service will be provided at the rates and under the regulations as shown in Part 5, Section 1.

The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this guidebook without prior written consent of the Company. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in this guidebook are superceded.

In the event that Centrex Service is terminated at any location for such a customer, it will not be re-established. The following do not constitute a termination:

- The primary location for Centrex Service is moved to a new location within the same serving central office at the same capacity category.
- Move to a secondary location at which the customer is already being served.

* Additional Customer Premises equipment required.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment

1. Centrex Premises Equipment

a. Attendant Positions

1. Universal Console or Switchboard Position[/1/]

	I.N.C.	Per Mo.
(a) Common equipment per attendant location for each group of 1 to 4 positions Customer premises equipment /ED5/ [/2/]	$1,482.88	$166.70
(b) Console or switchboard position /ED4++/ or /ED7++/ [/1/] Customer premises equipment, each [/2/]	247.15	115.33

2. 50A Attendant Console available with Centrex service from #1ESS offices only

(a) Common Equipment, per attendant location /CLF/ [/3/]	116.30	51.03
(b) Attendant Loops, each Customer premises equipment /SUW/ [/2/]	--	2.04
(c) Consoles [/3/]		
(i) Without Direct Station Selection/Busy Lamp Keys, Each /CXK/	195.78	94.50
(ii) With Direct Station Selection/Busy Lamp Keys, 100 key capacity equipped for 25 keys, each /CXD/	351.82	144.90
(iii) With Direct Station Selection/Busy Lamp Keys, 200 key capacity equipped for 100 keys, each /CYXBT/	428.39	217.97
(d) Additional 25 stations equipped on console for Direct Station Selection/Busy Lamp feature, each /BUW/	116.30	21.76
(e) Arrangement to provide a busy lamp indication when the Direct Station Selection/Busy Lamp Key is associated with a station that is beyond the normal supervisory range of the console Customer Premises Equipment /CLZ/ [/2/]	--	.44

In addition, a Type 1001A channel is required as provided for in Part 15, Section 2 for each key.

/1/ Switchboard positions will not be provided to new customers on and after May 31, 1977. Customers having this equipment on that date may retain it at its present or future locations on the same continuous property. Additions to this service may be provided to existing customers.
/2/ See paragraph G.13 of this section for associated network equipment.
/3/ New or additional installations of this equipment will not be provided on and after December 28, 1979. Customers having this equipment on that date may continue such service at the rates shown as long as the equipment is maintainable. If practical to do so, an out-of-service move is permitted as in Part 3, Section 1.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

1. Centrex Premises Equipment (cont'd)

a. Attendant Positions (cont'd)

3. 50B Attendant Console available with Centrex service from electronic central offices only, where facilities permit

	I.N.C.	Per Mo.
(a) Electronic Console, including control unit equipped for 8 attendant loops, each /ECB++/	$2,340.62	$333.89
(b) Electronic Console with Direct Station Selection and Busy Lamp Field, including control unit equipped for 8 attendant loops, each /ECG++/	2,340.62	352.79
(c) Multi-button Electronic Telephone Console, including control unit equipped for 8 attendant loops, each /ECH++/	2,184.58	214.19
(d) Console Line Circuit Pack - provides for terminations of 4 additional attendant loops, each /ECP/ Note: Maximum of 2 per console	47.49	18.90
(e) Basic DSS/BLF Scanner unit equipped for busy lamp termination of 50 Centrex lines, each /ECU/	590.24	81.90
(f) Scanner Line Circuit Pack - provides for busy lamp termination of 25 additional Centrex lines, each /ECL/ Note: Maximum of 10 per Scanner Unit	--	15.12
(g) Trunk Group Busy Indication	Apply rate as specified in L.2.a.2 following	
(h) Position Make Busy Indication	Apply rate as specified in paragraph M. following	
(i) Arrangement to provide a busy lamp indication when the Direct Station Selection/Busy Lamp Key is associated with a station that is beyond the normal supervisory range of the console. Customer Premises Equipment /CLZ/ /1/	Apply rates as specified in 2.(e) preceding	
In addition, a Type 1001A channel is required as provided for in Part 6, Section 2 for each key.		
(j) Change of console faceplate or trim panel	108.55	--
(k) Equipment Addition Change Note: Applies when equipment is added to an existing system, per occasion	149.26	--
(l) Optional Mounting Cabinet /ECJ/	203.53	52.92

/1/ See paragraph G.13 of this section for associated network equipment.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

1. Centrex Premises Equipment (cont'd)

	I.N.C.	Per Mo.
b. Centrex Customer Change Feature (CCCF)/1/		
1. Centrex Customer Change Feature, per Centrex system Initial programming and customer training /CH71T/ /2/	$1,492.57	--
2. Associated Centrex systems having same input center as main Centrex subscriber Initial programming and customer training /CH7AT/ /2/	296.58	--
3. Subsequent customer training, per occasion /TGEMT/	329.53	--
4. Update of customer's Comm-Stor II diskette, per occasion /MD3/	75.60	--

(a) This charge is applicable to the following conditions:
   (i) Change in the customer's name or address(es).
   (ii) Change in the customer's listed directory number or allowed telephone number range.
   (iii) Addition or deletion to optional station features in a CCCF customer's Centrex system.

(b) This charge does not apply to the activation or deactivation of optional station features on a CCCF customer's Centrex line(s).

/1/ See paragraph G.14 of this section for other regulations and rates.
/2/ See paragraph G.14 of this section for associated network equipment.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

2. Optional Features

a. Supervisory Features

	I.N.C.	Month to Month	CTPP/1/	Availability
1. Supervisory Turret Arrangements Arrangement to indicate calls waiting, console or switchboard position availability and alarm signals (ten console or switchboard position capacity), each				
Customer Premises Equipment /T5J/[/2/]	$130.84	$40.71	$40.71	1ES, 2ES, 101
2. Busy Lamps Arrangement to indicate at attendants' positions when tie lines, WATS, Foreign Exchange or CCSA access lines are busy per line or group of identical lines				
Initial Position Customer Premises Equipment /TE9/[/2/]	31.01	3.54	3.54	CO
Additional Positions, each /CWR/	16.48	3.10	3.10	CO

b. Terminating Arrangements

	I.N.C.	Month to Month	CTPP/1/	Availability
Special Access Arrangement				5XB

Equipment furnished at Centrex systems equipped with cord switchboards to provide Centrex lines with access to a switched interstate private line network for incoming and outgoing calls. The network access terminals connect access lines from an interstate Switched Circuit Automatic Network (SCAN) in Company premises to the switching equipment of a Centrex system. The SCAN, the interstate private lines associated therewith and the access lines are furnished under the interstate tariffs.

Availability, to signify available with Switching System Services provided from properly equipped …
CO – equipment located in the central office
1ES – #1ESS offices
2ES – #2ESS offices
101 – #101ESS offices

/1/ CTPP will not be offered to customers after April 30, 1983, as specified in paragraph A.10 of this section.
/2/ See paragraph G.19 of this section for associated network equipment.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

2. Optional Features (cont'd)

c. Call Answer and Transfer Features

	I.N.C.	Month to Month	CTPP/1/	Availability
Centrex Attendant Position Completion Arrangement Completion to Centrex Attendant Positions of Calls to More Than One Directory Number or More Than One Type of Incoming Service or Both - per system.				
With separate identification Identification by separate lamp for each number or service Two, three or four directory numbers or services				
Customer Premises Equipment /IC155/ /2/	--	$19.38	$19.38	ALL

d. Call Restriction Features

	I.N.C.	Month to Month	CTPP/1/	Availability
Inquiry and Display Arrangement (9OA) This equipment provides a visual numerical display by line of selected central office information and is available only with Combination Hotel Service.				
1. Inquiry and Display Console Each /9OD/	$3,511.41 /3/	$125.03	$125.03	1ES
In addition, two Type 3002 channels are required for each display unit				
2. Optional printer associated with display unit providing a printed copy of information displayed, each printer /9OP/	1,170.79 /3/	37.31	37.31	1ES

Availability, to signify available with Switching System Services provided from properly equipped …
5XB – #5 Cross-Bar offices
ALL – all office types

/1/ CTPP will not be offered to customers after April 30, 1983, as specified in paragraph A.10 of this section.
/2/ See paragraph G.20.f of this section for associated network equipment.
/3/ The I.N.C. amounts may be paid in full when service is established or may be paid adjusted for the time value of money under a 12 month contract. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

3. Uniform Call Distribution (UCD)/3/

a. Optional Features with Queuing

	I.N.C.	Month to Month	CTPP/1/
1. Call Waiting Lamps Call Waiting Lamps indicate the length of time the longest call has waited in queue. Up to three lamp indications per UCD group are available. The waiting time interval to activate each lamp may be up to 42 seconds long as specified by the customer. Each lamp indication /UC3/	$33.92	$2.42	$2.42
Additional charges required: Type 1001A signal channel between the serving central office and the customer's premises Per lamp indication	Quoted in Part 15, Section 2		
2. Subsequent change in time intervals for call waiting lamps Each occasion	48.46	--	--
3. Consoles (a) Standard Console/4/ A 10-button console used in lieu of other station equipment, with 7 buttons dedicated to UCD control functions; the remaining buttons are spare. The console is equipped with an externally mounted jack and has additional leads available for connection to separately provided equipment as follows: 4 agent status lamp leads, 4 agent usage leads, 2 call register leads and 1 service observing lead. UCD console, each /UCD/	562.14/5/	$15.51	$15.51
Additional charges required for each UCD console:			
Central Office Make-Busy Arrangement	Quoted in Part 8, Section 8		

/1/ CTPP will not be offered to customers after April 30, 1983, as specified in paragraph A.10 of this section.
/2/ The I.N.C. amounts may be paid in full when service is established or may be paid adjusted for the time value of money under a 12 month contract. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company.
/3/ See paragraph H. of this section for regulations.
/4/ The standard console will not be provided to any customers after July 8, 1979. Customers having this console in service on July 8, 1979, will be billed the Contract Charging Plan Monthly Rate for the Attendant Circuit and the Electronic Console as specified in L.3.a.3.(b)(iii) following, in lieu of the UCD console monthly rate shown above.
/5/ The I.N.C. amount for standard consoles may be paid in full or partially when service is established with the balance adjusted for the time value of money paid for over a 12 month contract period. The total I.N.C. amount placed under contract must exceed $2,000.00. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

3. Uniform Call Distribution (UCD)/1/ (cont'd)

a. Optional Features with Queuing (cont'd)

3. Consoles (cont'd)

(b) Electronic Console

(i) The Electronic Console is provided in either rotary dial or TOUCH-TONE models and is the standard console with the exception of the following changes and additions to the features specified in 1. preceding: 3 agent status lamp leads, automatic hold when the headset is removed, and zip tone prior to receiving an incoming call.

(ii) The Electronic Console is provided under either the Contract Charging Plan or the Basic Rate Plan as specified in Part 2, Section 3.

(iii) Contract Charging Plan

		Monthly Contract Charge				
	I.N.C.	1 Month Contract	12 Month Contract	24 Month Contract	36 Month Contract	Monthly Rate
Console Common Equipment /A92/	$111.46	$171.26	$14.88	$7.80	$5.43	$5.67
Attendant Circuit, One Required Per Console Line /A93/	72.69	182.55	15.85	8.29	5.77	5.82
Electronic Console /A94++/	155.07	25.44	2.23	1.16	.82	4.60

(iv) Basic Rate Plan

		Per Mo.	
	I.N.C.	Month to Month	CTPP/2/
Console Common Equipment /A92/	$111.46	$20.84	$20.84
Attendant Circuit, One Required Per Console Line /A93/	72.69	21.81	21.81
Electronic Console /A94++/	155.07	10.90	10.90

(v) Additional charges which may be required for each Electronic Console:

Central Office Make-Busy Arrangement — Quoted in Part 8, Section 8

/1/ See paragraph H. of this section for regulations.
/2/ CTPP will not be offered to customers after April 30, 1983, as specified in paragraph A.10 of this section.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

3. Uniform Call Distribution (UCD)/1/ (cont'd)

a. Optional Features with Queuing (cont'd)

3. Consoles (cont'd)

b. Electronic Console (cont'd)

(vi) Initial Nonrecurring Charge (I.N.C.) amounts may be paid in full when service is established or may be paid adjusted for the time value of money over a period of time. For items of equipment provided under the Contract Charging Plan, the I.N.C. contract period and the Contract Charging Plan contract period must be identical. For items provided under the Basic Rate Plan, the I.N.C. contract period is 12 months. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company.

In the event of termination or reductions in service, the remaining monthly I.N.C. contract payments will immediately become due, as adjusted for their then present worth equivalent.

b. Mini-Management Information System (MMIS)

1. The Mini-Management Information System is a traffic data and force management device provided in association with Switching System Services or Exchange Service lines provided from #1 ESS central offices and equipped for Uniform Call Distribution or in association with on-premises Automatic Call Distribution systems. The system is designed to provide basic call handling information on UCD or ACD positions with output to a teleprinter at the customer's premises. Printed reports will be provided on 1/2 hour or one hour measurement periods. MMIS is compatible only with UCD Electronic Consoles or ACD Systems equipped with Standard Force Administration Data (FADS) leads.
2. The MMIS common equipment has the ability to terminate a maximum of 100 positions and will be located on the customer's premises. The Common Equipment-Initial is subject to a 48 month termination charge.
3. One Master Supervisory Position is required per system. The Master Supervisory Position allows the customer to select measurement periods of either one-half hour or one hour. The set is also used to set the 24 hour clock associated with the MMIS and provides a visual display of the real-time status of the entire installation. The set is included in the Common Equipment-Initial rate. One Visual Display Terminal Type II for use with the Master Supervisory Position is required.
4. Up to 10 Additional Supervisory Positions may be provided. Each Additional Supervisory Position will provide real-time status of a selected group of positions. Supervisory Positions cannot be used to select report measurement periods or set the MMIS clock.
5. Customers also subscribing to Centralized Traffic Reporting Feature (CTRF) Service may elect to have the CTRF report printed on the same printer used by the MMIS. CTRF reports printed in this manner are subject to a maximum storage capacity of 3000 characters per report period.

/1/ See paragraph H. of this section for regulations.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

3. Uniform Call Distribution (UCD)/1/ (cont'd)

b. Mini-Management Information System (MMIS) (cont'd)

6. Rates

	I.N.C.	Per Mo.
(a) Common Equipment - Initial Capacity to terminate 20 positions. Includes Master Supervisory Position, per system /M9D++/ Termination Charge - $6,929.78/3/	$6,929.78/2/	$484.60
One Visual Display Terminal Type II, one DATAPHONE data set 108D or its equivalent and one 43 Teleprinter (receive only) or its equivalent equipped with E.I.A. interface are required.		
(b) Common Equipment – Additional		
Capacity to terminate 16 additional positions up to a maximum of 100 positions total, each increment of 16 /M9E/	450.68/2/	14.54
(c) Additional Supervisory Position, each /M9FT+/	523.37/2/	19.38
One Visual Display Terminal Type II is required per Supervisory Position		

/1/ See paragraph H. of this section for regulations
/2/ Initial Nonrecurring Charge (I.N.C.) amounts may be paid in full when the service is established or may be paid adjusted for the time value of money over a 12 month period. The total I.N.C. amount to be spread over a 12 month period must exceed $2,000.00. This payment plan is only available to customers who have demonstrated a credit standing acceptable to the Company. In the event of termination or reductions in service, the remaining monthly I.N.C. payments will immediately become due, as adjusted for their then present worth equivalent.
/3/ Reduces 1/48 for each month in service.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS)

a. Premises System Components – Contract Charging Plan

	I.N.C.	Monthly Contract Charge 1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
1. Cabinet A Assembly, capacity for 50 consoles, includes power supply and common line circuit carrier for first 10 consoles.						
(a) First Cabinet A, each /A21/	$3,682.96	$19,907.76	$624.02	$405.56	$313.05	$276.22
(b) Additional Cabinet A, each /A22/	726.90	15,732.68	493.18	320.51	218.31	203.53
2. Cabinet B Assembly, capacity for 50 consoles, includes power supply and common line circuit carrier for first 10 consoles. Each /A2F/	823.82	11,199.49	351.04	228.15	176.10	140.53
3. Additional Line Circuit Carriers, one required for each additional 20 consoles, or fraction thereof, in Cabinet A or B Each /A2L/	33.92	1,901.43	59.61	38.72	29.90	21.08
4. Consoles						
(a) 10 Button, each /A2G++/	145.38	489.35	15.36	9.98	7.71	9.93
(b) 20 Button, each /A2H++/	145.38	705.09	22.10	14.34	11.10	12.36
(c) 20 Button, with Fixed Lamp Field, each /A2J++/	150.23	780.88	24.47	15.89	12.26	13.33
(d) 20 Button, with Alphanumeric Field, each /A2K++/	155.07	1,254.87	39.35	25.59	19.72	18.66

	Per Mo. Rotary	TOUCH-TONE
(e) Supervisor, Single Line, each /A9B/	$1.07	$1.74

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS) (cont'd)

b. Premises System Components – Basic Rate Plan

	I.N.C.	Per Mo.
1. Cabinet A Assembly, capacity for 50 consoles, includes power supply and common line circuit carrier for first 10 consoles		
(a) First Cabinet A, each /A21/	$3,682.96	$1,080.66
(b) Additional Cabinet A, each /A22/	726.90	818.97
2. Cabinet B Assembly, capacity for 50 consoles, includes power supply and common line circuit carrier for first 10 consoles		
Each /A2F/	823.82	581.52
3. Additional Line Circuit Carriers, one required for each additional 20 consoles, or fraction thereof, in Cabinet A or B		
Each /A2L/	33.92	96.92
4. Consoles		
(a) 10 Button, each /A2G++/	145.38	30.53
(b) 20 Button, each /A2H++/	145.38	41.68
(c) 20 Button, with Fixed Lamp Field, each /A2J++/	150.23	45.55
(d) 20 Button, with Alphanumeric Field, each /A2K++/	155.07	69.30

	Per Mo.	
	Rotary	TOUCH-TONE
(e) Supervisor, Single Line, each /A9B/	$1.07	$1.74

c. ACD-ESS Management Information System (AEMIS)

	I.N.C.	Monthly Contract Charge 1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate

The ACD-ESS Management Information System provides minicomputer analysis of agent/traffic data to produce detailed information, performance calculations, summarized past history, and short term forecasts. It also enables the customer to reconfigure the ACD-ESS system based on this information.

1. Basic Common Equipment, includes equipment for first 350 consoles and 14 CRT's						
Each /A5CCE/	$32,710.50	$68,898.68	$2,159.72	$1,403.64	$1,083.42	$1,114.58
In addition, one 212A DATAPHONE Data Set, or its equivalent, the associated telephone line, and a compatible teleprinter are required per system.						
(a) Additional Equipment for systems with more than 350 consoles						
Each /A5CAC/	193.84	13,277.17	416.17	270.50	208.77	251.99
(b) Disk Equipment for systems with up to 700 consoles						
Each /A5CAA/	363.45	23,901.01	749.19	486.93	375.86	625.13
(c) Disk Equipment for systems with between 700 and 1,000 consoles						
Each /A5CAB/	799.59	59,114.90	1,853.01	1,204.33	929.56	935.28

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS) (cont'd)

c. ACD-ESS Management Information System (AEMIS) (cont'd)

	I.N.C.	Monthly Contract Charge 1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
2. Cabinet C Assembly, one required per 6 data links						
Each /A5EAS/	$242.30	$3,587.11	$112.43	$73.08	$56.41	$45.07

Data links are engineerable but are generally provided on a one per 100 consoles basis. The customer may order spare data links if desired.

3. Data Link Terminating Equipment, one required per AEMIS Data Link Cabinet C Assembly, one required per 6 data links						
Each /A5ETE/	53.31	656.39	20.60	13.37	10.32	10.18
4. AEMIS System Control Equipment						
(a) Common Equipment for CRT's, one required per system						
Each /A5DCE/	242.30	864.72	27.09	17.64	13.62	12.84
(b) Cathode Ray Tubes (CRT's)						
(i) Black and White, First CRT in a system						
/A5DBW/	271.38	7,003.44	219.57	142.67	110.15	102.25
(ii) Black and White, each additional CRT in a system						
/A5H/	198.69	3,548.87	111.26	72.30	55.83	67.84
(iii) Color, First CRT in a system						
/A5DCL/	348.91	12,580.12	394.32	256.30	197.81	155.56
(iv) Color, each additional CRT in a system						
/A5J/	242.30	6,451.24	202.22	131.42	101.43	94.50
(v) Equipment to remote one CRT beyond 50 feet from AEMIS control equipment, each 100 feet or fraction up to 1,000 feet						
/A5FR5/	--	85.68	2.67	1.74	1.36	.87
(vi) Equipment to remote one CRT beyond 1,000 feet						
Each CRT /A5FRT/	--	102.93	3.25	2.08	1.60	1.02

In addition, two 208A Data Sets, or this equivalent, and one 4-Wire Interface 3002 Data Channel are required per CRT.

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS) (cont'd)

d. Incoming Call Identification

Visual Option

Consists of a visual display on the agent console which provides the agent with call origin data. Two types of display are available:

Fixed Lamp incoming calls are identified by means of one of 16 customer-labeled lamps
Alphanumeric consists of a 5-character alphanumeric display. The first 3 characters indicate the originating city and the last 2 characters indicate the split to which the call was originally directed

	I.N.C.	Per Mo.
Per Visual Console equipped, each /A5VCN/	--	$.87

e. Emergency Alert Arrangement

The operation of the Alert Key on an agent console activates a lamp on the Agent Status Display Console and causes the agent position number and the connected line or trunk number to be printed out for possible call tracing.

Operation of the Alert Key will also result in the extension of a call involved in the alert condition to a monitoring location and cause the operation of audible and/or visual signals. Appropriate charges apply for audible and/or visual signals and relay control equipment if required.

		Monthly Contract Charge				
	I.N.C.	1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
1. Consoles equipped for Alert Each 25 or fraction thereof /A85AS/	$48.46	$327.25	$10.27	$6.69	$5.14	$5.91
2. Consoles equipped for Alert and Service Supervising Each 25 or fraction thereof /A85AS/	48.46	233.58	7.32	4.75	3.68	4.60

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS) (cont'd)

f. Service Supervising of Agent Consoles

Allows a supervisor to select an agent console and monitor calls connected to that console. Neither the calling party nor the agent is made aware of this connection.

	I.N.C.	Monthly Contract Charge 1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
1. Consoles Equipped for Service Supervising Each 25 or fraction thereof /A8HSS/	$48.46	$233.58	$7.32	$4.75	$3.68	$4.60
2. Service Supervising Trunk (a) Customer Premises Component Each trunk /A8HCU/	38.77	248.41	7.80	5.04	3.93	4.17

g. Agent Status Display Console

This console can display the status of up to 20 agents. Five status lamps are associated with each agent.

Console	I.N.C.	Monthly Contract Charge 1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
1. First three, each /A3X/	$111.46	$708.78	$22.19	$14.44	$11.15	$9.55
2. Each additional /A3Y/	77.54	669.96	20.98	13.67	10.52	8.87

CENTREX SERVICE (cont'd)

L. Switching System Services Customer Premises Equipment (cont'd)

4. Automatic Call Distribution System - ESS (ACD-ESS) (cont'd)

h. System Display and Control Features

Provides a console with 30 illuminated keys which can be used to activate/deactivate threshold conditions for alternate routing of traffic, initiate night transfer arrangements, and restrict outgoing calls on 2-way trunks. This console also provides fuse alarm indications.

		Monthly Contract Charge				
	I.N.C.	1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
Key Control and Alarm Console						
Consoles, each						
/A4N/	$203.53	$480.14	$15.07	$9.79	$7.56	$8.34

i. Calls Waiting Indication

Provides an indication on the agent console of incoming ACD-ESS calls that have been waiting in queue longer than a customer-designated threshold.

Up to three different calls waiting timing states may be indicated per split. In addition, existing rates apply for visual signals if required.

		Monthly Contract Charge				
	I.N.C.	1 Month Contract	36 Month Contract	60 Month Contract	84 Month Contract	Monthly Rate
Remote Calls Waiting						
Common Equipment, each 24 timing states or fraction thereof						
/A4PCE/	$126.00	$681.06	$21.37	$13.86	$10.71	$10.18

CENTREX SERVICE (cont'd)

M. Call Storage and Automatic Transfer Arrangements for Centrex Service

1. General

   This arrangement provides for visual and audible indication of an incoming call, a call in storage or a call transferred. It is designed to work with two Centrex terminals.[/1/]

2. Rates and Charges

	I.N.C.	1 Month Contract
Position make-busy arrangement, per position arranged Centrex service /CS8/[/1, 2/]	$7.75	$5.82

N. Dial Transfer Arrangement In Connection With Automatic Distributors and Centrex Service

1. To transfer incoming calls answered at an attendant position of a Model 60 or Model 200B Automatic Call Distributor to terminals of the customer's Type 1, 2 or 3 Centrex system, or to transfer incoming directory number calls to a Type 1, 2 or 3 Centrex system to the customer's associated Model 60 or Model 200B Automatic Call Distributor for distribution to the attendant positions

Each individual dial transfer path, in one direction only Network Equipment /SUK/[/2/]	74.63	56.21

2. The minimum contract period for the service is two years.

3. Appropriate mileage charges apply for the distance between locations when the main Centrex location and the Automatic Call Distributor are not on the same continuous property.

4. TOUCH-TONE service is required on all lines serving the Automatic Call Distributor attendant positions when the associated Centrex service is Type 3. Appropriate charges apply for the TOUCH-TONE service.

/1/ With Centrex service where switching equipment is located on Company premises, a Type 1001A channel between the Company and the customer's premises is required per Centrex terminal arranged, or per position or group of positions made busy.

/2/ This equipment which has grandfathered status under the Federal Communications Commission's Registration Program is offered and provided only to the extent of available stock.

AMERITECH INTEGRATED DIGITAL NETWORK[/1/]

A. General

1. Ameritech Integrated Digital Network, a competitive telecommunications service, provides an integrated voice/data communications capability for the transmission of circuit switched voice, circuit switched data signals on an incoming, outgoing and intercommunicating basis utilizing Integrated Services Digital Network (ISDN) architecture as recommended in the 1984 Recommendation of the International Telegraph and Telephone Consultative Committee (CCITT). The service is available from specially equipped digital switching equipment located in Company central offices. All customer provided equipment used to interface with Ameritech Integrated Digital Network is required to conform with the Technical Reference Specifications as used by the Company and found in Technical Reference:

Subject	Technical Reference	Source
Ameritech ISDN Interface Specifications	AM-TR-OAT-000068	708-394-7990

The Technical Reference can be obtained from APEx Support Team, (734) 523-7348

2. Ameritech Integrated Digital Network requires the following:

   a. Service Transport Facilities (STF) as provided in Part 5, Section 2 and in Part 4, Section 2 are an integral part of the Ameritech Integrated Digital Network service offering.

   b. Exchange Termination (ET), as specified in H. following, is central office equipment necessary for the transmission of Ameritech Integrated Digital Network signals over a Service Transport Facility.

   c. Service Establishment Charge, which is applicable to the establishment of any new Ameritech Integrated Digital Network service, as specified in H. following.

   d. System Capacity Charge, which establishes parameters for simultaneous Ameritech Integrated Digital Network circuit switched voice and circuit switched data intercom calls, as specified in H. following.

   e. Service Element Charge, for individual Ameritech Integrated Digital Network services, as specified in H. following. Individual service elements can be combined in configuring a Basic Access Line.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

B. Definitions

Basic Access Line/Basic Rate (2B+D)
Two 64 kilobits per second (kbps) "B" channels and one 16 kbps "D" channel (28+D).

"B" Channel
A 64 kbps channel primarily used for information transfer (voice/data) from user to user.

Business System
The combination of Ameritech Integrated Digital Network Basic Access Lines and IIN or Centrex access lines forming a complete customer communications system.

Call Appearance
Relative to the central office equipment, each call is assigned a "Call Appearance" per Basic Access Line. Relative to the customer provided equipment (CPE), a call appearance is a physical and visual representation (e.g., a button and lamps) that provides to the user the status of a particular call (i.e., incoming, active, or held call).

Closed User Group (CUG)
A grouping of customers that establishes a private network within the public network.

Closed User Group Member
A user who establishes membership in a closed user group facility. A user may be registered as a member of one or more closed user groups.

Customer Provided Processor
A separate minicomputer (or microcomputer) system provided by the customer that is connected to the central office equipment via a Basic Access Line to support a set of interactive features. The customer provided processor may support Message Desk, Electronic Directory, Traffic Data, Message Detail Recording and Facilities Management Interfaces.

"D" Channel
A 16 kbps channel primarily used for signaling messages. The bit rate is fixed as a function of the interface used.

Directory Number
The seven digit identifier or "primary" telephone number assigned to a single Basic Access line.

Display
Provides call related information to a user who has a terminal equipped with a display and has subscribed to display features.

Incoming Calling Line Identification
Allows display capabilities, i.e., calling party's name (when electronic directory is used), calling directory number, call appearance ID, date and time, on intercom calls only.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

B. Definitions (cont'd)

Network Termination Equipment
Customer provided equipment that provides line transmission termination from the network to a customer's premises.

Permanent Virtual Circuit

Secondary "Only" Directory Number
A "second" or "subordinate" directory number that, in addition to the primary directory number, is assigned to a single Basic Access line.

Station Equipment Indicator
Lamps or function keys that signal the status of a call or feature.

Terminal Management
Management of call appearances and call appearance preference features.

Throughput Class
The attainable data rate (bits per second) on virtual calls and permanent virtual circuits.

C. Contracts

1. As a competitive service, the Company may offer Ameritech Integrated Digital Network and the intercommunication portion of STF to individual customers on such terms and for such rates and charges as it deems reasonable. Individual contracts will specify the terms, length of service, conditions, capabilities and rate levels applicable to those specific customers. I.N.C.s, Service Establishment Charges (S.E.C.'s) and Upgrade Charges will not be refunded, either in whole or in part, to customers who terminate service prior to the expiration of their contract.

2. Centrex or IIN customers who convert to Ameritech Integrated Digital Network will be liable for Centrex or IIN termination charges only in the event that they disconnect or decrease the number of lines in their Business System below the limit associated with their Centrex or IIN contract prior to the expiration date of their original contract. Service Transport Facility (STF) contracts remain unaffected by a conversion from Centrex or IIN lines to Ameritech Integrated Digital Network Basic Access Lines.

3. The Network Access portion of the STF service will be based on P.B.X. trunk equivalency as described in paragraph E. following. Where the Company negotiates an individual customer contract, it will use rate levels as specified in Part 4, Section 2 for the Network Access portion of STF.

4. All rates quoted will cover the costs of providing the service offered.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

D. Mileage Charges

Ameritech Integrated Digital Network Basic Access Lines may be provided to a customer premises from a central office other than the one normally serving the geographic area in which the premises is located.

1. Intra-Service Area

   When the customer's premises and the central office providing Ameritech Integrated Digital Network service are both located in the same Service Area, and the requested serving arrangement meets the transmission requirements in the Technical Reference specified in A.1. preceding, Type 2001C channel service mileage charges as specified in Part 15, Section 2, will apply per line so configured. If the serving arrangement does not meet the specified transmission requirements, Special Construction Charges as specified in Part 2, Section 5, will apply in addition to Type 2001D channel service charges. However, where a customer's premises are subject to the provisions of *Centrex Service*, paragraph D.2. (Intra-Service (S.A.) Charges), such provisions shall also apply to Ameritech Integrated Digital Network Basic Access Lines provided to such premises.

2. Inter-Service Area

   When the customer's premises and the central office providing Ameritech Integrated Digital Network service are located in different Service Areas, Special Construction Charges as specified in Part 2, Section 5, will apply in addition to Type 2001D channel service charges.

E. Usage and P.B.X. Trunk Equivalents

Ameritech Integrated Digital Network customers may subscribe to any type of usage service available in the exchange as described in Part 4, Section 2, according to the regulations and rates shown for P.B.X. Trunks.

Local Area Service or Extended Local Area Service customers and Extended Message Rate Service customers will be charged for usage according to the P.B.X. trunk equivalent schedule as shown in Part 4, Section 2.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities

1. Provision of Service

   a. Ameritech Integrated Digital Network may be provided in conjunction with *Centrex Switching Service (C.S.S.)* or basic *Centrex Service* (both found earlier in this Section), to configure a business telecommunications system. Such a configuration shall be referred to as a "Business System" in the following paragraphs of this Section.

   b. Each of the individual Ameritech Integrated Digital Network services will be provided with the following standard and optional capabilities and features. The availability and function of these capabilities may vary by serving central office. All services require the use of a Basic Access Line/Basic Rate (2B+D). One single directory number is provided with the use of a Basic Access Line. When combining services, additional directory numbers can be provided. Valid configurations of services are listed in the Ameritech ISDN Interface Technical Reference.

   c. Allows, where available, a maximum of eight services per Ameritech Integrated Digital Network line including a maximum of two "B" channel services. Individual Ameritech Integrated Digital Network services require the use of an Ameritech Integrated Digital Network line.

2. Circuit Switched Voice

   a. Provides the ability to originate and receive voice switched calls over a 64 Kbps "B" channel. All lines so equipped will have access to the Company's Telephone Exchange Service as shown in Part 4, Section 2 unless otherwise restricted. Voice calls outside the Business System will be subject to the rates in that Section.
   b. The capabilities and features provided for Ameritech Integrated Digital Network equivalent capabilities and features, are standard with the following exceptions:
      - IIN-Mate: See *Ameritech Integrated Digital Network-Mate* in G. following.
      - Attendant Line Capability: See *Attendant Position Interface* in F.2. following.

      The following capabilities and features are standard:
      - Incoming Calling Line Identification on calls with customer provided equipment that allows display capabilities
      - Terminal Management
      - Conference, Transfer, Drop and Hold features
      - Assignment of up to 10 call appearances and/or features to the associated customer station equipment indicators
      - Speed Calling (six number private list)
      - Manual Exclusion
      - Caller ID

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

2. Circuit Switched Voice (cont'd)

   c. The following capabilities and features are provided as optional:
      - Assignment of up to 20 call appearances and/or features to the associated customer station equipment indicators
      - Assignment of up to 30 call appearances and/or features to the associated customer station equipment indicators
      - Assignment of up to 45 call appearances and/or features to the associated customer station equipment indicators
      - Assignment of up to 65 call appearances and/or features to the associated customer station equipment indicators
      - Message Desk Attendant

3. Circuit Switched Data

   a. Provides the ability to originate and receive circuit switched data calls over the 64 kbps "B" channel. Data line speeds of 56 kbps and 64 kbps are permitted. Switched calls outside the Business System will be subject to the rates in that Section. (C)

   b. The following capabilities and features are provided as standard and are shared with the Circuit Switched Voice Service if so equipped:
      - Intercom Dialing
      - Speed Calling (6 number private list)
      - Denied Origination
      - Denied Termination
      - Fully Restricted Line
      - Semi-Restricted Line
      - Code/Toll Restriction

4. Circuit Switched Voice/Circuit Switched Data

   a. Provides the ability to originate and receive either circuit switched voice or circuit switched data calls over a single "B" channel but not simultaneously.

   b. The standard capabilities and features are provided as shown in F.2.b. and F.3.b. preceding.

   c. Optional capabilities and features as provided in F.2.c. preceding.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

5. Attendant Position Interface

   a. Provides the ability to manage and administer customer compatible terminal equipment via a Basic Access Line from the Company's central office to the customer provided attendant console.

   b. The following capabilities and features are provided as standard:
      - Attendant Call Hold
      - Attendant Call Transfer
      - Attendant Camp-On
      - Attendant Conference Calling
      - Attendant Console Terminal Management
      - Attendant Control of Facilities
      - Busy Verification of Directory Numbers and Trunks
      - Call Splitting
      - Dial Access to Attendant
      - Direct Trunk Group Selection
      - Interposition Transfer
      - Night Service
      - Position Busy
      - Power Failure Transfer
      - Selective Customer Control of Facilities
      - Through Dialing
      - Time of Day and Date
      - Timed Reminder
      - Trunk Group Busy and Date
      - Trunk Group Identification
      - Uniform Call Distribution

   c. The following capabilities and features are provided as optional:
      - Queuing for attendants with call waiting indication
      - Call-Through Test
      - Traffic Data
      - Direct Station Selection - per 100 Busy Lamp Field
      - Call Identification

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

6. Message Desk Interface

a. The Message Desk Interface routes certain call related information via a specially provisioned Basic Access Line to the customer's message center which is associated with a customer provided processor. The call related information enables the message center attendant to answer calls on a personalized basis for each station user within the Business System.

b. The following call related information and station user message waiting indication supplied via a specially provisioned Basic Access Line is provided as standard:

1. The type of call completed to the message center being either a direct call or a forwarded call from another station within the Business System.
2. The number that was originally called.
3. The message center number where the call has been sent.
4. The message center attendant station where the call has been sent.
5. The types of forwarding used:
   - Call Forwarding - Variable
   - Call Forwarding - Busy Line
   - Call Forwarding - Don't Answer
6. The number of the calling station if the call originated within the same Business System.
7. The type of message waiting indication (either audible stutter dial tone and/or visual lamp) to be activated/deactivated for each user station served by the message center.

   How the call related information is ultimately displayed or used depends upon the customer provided processor or any other equipment.

c. Transport of the following is optional via a specially provisioned Basic Access Line to the customer's message center which is associated with a customer provided processor:
   - Leave word calling in which a message is sent to the customer provided processor and the processor leaves a message from the calling party to a called party.
   - Message retrieval display provides the message center users equipped with a station set display the ability to directly retrieve their messages.
   - Printout on demand permits message center users to request a printout of all their undelivered messages to a preassigned printer.
   - Automatic calling permits a message center user to place a call to the party associated with the message being displayed without dialing the destination directory number.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

7. Electronic Directory Interface

   a. The Electronic Directory Interface (EDI) capability provides users and attendants with the ability to communicate with an electronic directory. This feature is available for all calls originated within the Business System. EDI routes call information via a specially provisioned Basic Access Line from the Company's central office to the customer's electronic directory that is associated with a customer provided processor.

   b. Transport of the following is standard with EDI and is provided to circuit switched voice equipped Basic Access Lines:
      1. Calling Name Display permits the name and directory number of the calling party to be displayed after the incoming call begins alerting.
      2. Directory Query Display permits the EDI user with a station set display to query for a person's directory number within the electronic directory database.
      3. Automatic Calling permits the party associated with the information being displayed to be called during a directory query display session without dialing the destination directory number.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

8. Traffic Data Interface

a. The Traffic Data Interface (TDI) provides traffic and trunk measurements pertaining to customer features and facilities. Individual measurements are collected either every 30 minutes or 2 hours and sent via a specially provisioned Basic Access Line to a customer provided processor.

b. The TDI feature provides the following as standard:

1. Traffic Data to Customer Location

Traffic measurement data is provided for the following selected facilities and features:
Attendant group
Attendant group queuing counts
Automatic Route Selection pattern
Individual Dialing Plan
Modular queuing for Multiline Hunt Group
Modular queuing for Simulated Facilities Group
Modular queuing for trunks
Multiline Hunt Groups
Simulated Facility Groups
Terminal group
Trunk group

2. Automatic Circuit Assurance

a. Trunk scans
- NUTS (non-usage trunk scan)
- LUTS (locked-up trunk scan)

b. Threshold Monitoring
- Long holding time
- Short holding time
- Short holding time call count

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

9. Message Detail Recording Interface

a. The Message Detail Recording Interface (MDRI) provides the call detail information on those circuit switched voice calls in b. following originated within the Business System. The MDRI provides via a specially provisioned Basic Access Line the customer provided processor with detailed call records in real time. MDRI is not represented to be a provision of billing detail.

b. Information on the following services and features is provided as standard:
- Automatic Route Selection
- Foreign Exchange and Foreign District
- Wide Area Telecommunication Service
- Common Control Switching Arrangement
- Electronic Tandem Switching
- Measured Telephone Service
- Tie Trunks

1. Individual call detail information provided on calls placed or received over the customer private network and placed over the public network includes:
   - Length
   - Message type
   - Elapsed time
   - Answered time
   - Disconnect time
   - Date of call
   - Calling number
   - Called number
   - Authorization code
   - Account code
   - Access code

2. MDRI Counts Record is provided as a summary record that is generated once a day and includes the following measurements specific to MDRI records:
   - Message type
   - Date of record
   - Time of day
   - Generated record count
   - Lost record count

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

F. Service Capabilities (cont'd)

10. Facilities Management Interface

    a. The Facilities Management Interface (FMI) provides administrative control of the customer's private telecommunications facilities via a specially provisioned Basic Access Line and a customer provided processor. This feature permits the customer to verify, add, delete or change specific parameters.

    b. FMI can be used in conjunction with the following features and capabilities:

       Automatic Route Selection
       Facility Group Queuing
       Authorization Codes
       Automatic Circuit Assurance
       Traffic Data System
       Message Detail Recording
       Account Codes

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

G. Ameritech Integrated Digital Network-Mate

1. General

   a. Ameritech Integrated Digital Network-Mate provides the capability to assign, delete or change optional features and the variable parameters associated with the standard features of Ameritech Integrated Digital Network lines via customer provided terminals. Rates are as specified in G.2 following. Initiation of lines and changes in the service configuration of a line as identified in F.2 through F.6 preceding are not mateable and are implemented via Company service order procedures and rates.

   b. The following display and verification capabilities are standard:
      1. Both streamlined Command Mode and the Menu Driven Mode types of input are supported.
      2. Selection of immediate, dated or default dates can be specified per request.
      3. Pending, failed, canceled and completed order history file displays provide a review of up to six months of past order activity and connect time.
      4. Verification and sort of lines, parameters, features and text field data is supported.
      5. Two 33 character data fields are provided to assist in customer network management.

   c. Optional Company Ameritech Integrated Digital Network-Mate programming

      Customers have the option for the Company to process changes, or initiate lines, in lieu of processing via their own Ameritech Integrated Digital Network-Mate equipped terminal.

2. Rates

	Rate
Per terminal connect minute to the Ameritech Integrated Digital Network-Mate System, each minute or fraction thereof	$.50
Per line processed by Company	7.50

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

H. Rates and Charges

The rate structure for Ameritech Integrated Digital Network shall include charges for Service Transport Facilities (STF), Exchange Termination (ET), Service Establishment, System Capacity, individual Service Elements (circuit switched voice, circuit switched data and combined circuit switched voice/data) and optional features.

For customers with systems that have more than fifty (50) Ameritech Integrated Digital Network lines, the rate structure will include charges for Service Transport Facilities (STF), Exchange Termination (ET), Service Establishment, System Capacity, and the requirements for circuit switched voice, circuit switched data, combined circuit switched voice/data, and any optional features. The Service Establishment Charge will vary from customer to customer depending on the number of individual Service Elements in the system. System Capacity Charges will vary from customer to customer based upon circuit switched intercommunications traffic characteristics and volumes.

1. Service Transport Facilities (STF) Charges

   Service Transport Facilities used for Ameritech Integrated Digital Network intercommunication purposes are as provided in Part 5, Section 2 and in Part 4, Section 2, for the Network Access portion of STF.

2. Ameritech Integrated Digital Network Exchange Termination (ET) Charges

One of the following is applicable where appropriate:	I.N.C.	Per Mo.
a. 4- Wire Interface /S4Y/	$50.00	$ .00
b. 2- Wire Interface /S2Y/	50.00	1.88

   c. In addition to the above rates, End User Common Line (EUCL) Charges as filed for the State of Illinois with the F.C.C. in Ameritech Operating Companies Tariff F.C.C. No. 2 are applicable.

3. Ameritech Integrated Digital Network Service Establishment Charge (S.E.C.)

   Ameritech Integrated Digital Network is provided in a series of distinct System Sizes. These System Sizes specify the maximum number of Ameritech Integrated Digital Network lines within the Business System.

System Size	S.E.C.	Per Mo.
Up to 20 lines /SEV1X/	$480.00	$22.80
21 to 35 lines /SEV2X/	735.00	34.65
36 to 50 lines /SEV3X/	900.00	42.50

   Larger Ameritech Integrated Digital Network System Sizes are available in customer negotiated sizes and increments for additional lines. Each additional 100 Ameritech Integrated Digital Network lines will be provided at a S.E.C. of $1,800.00 and a Monthly Charge of $85.00. These charges are in addition to the 36 to 50 lines System Size charges as stated above.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

H. Rates and Charges (cont'd)

4. System Capacity Charges

a. Ameritech Integrated Digital Network is provided in a series of distinct System Capacities. These System Capacities specify the maximum number of simultaneous circuit switched intercommunication transmission paths that may be ongoing within the Business System. Intercommunication calls include circuit switched voice or circuit switched data calls placed from an Ameritech Integrated Digital Network line to any line in the same Business System.

For simultaneous circuit switched intercommunication transmission paths:

System Capacity	I.N.C.	Upgrade Charge	Per Mo.
1-5 /SEWIX/	$200.00	--	$30.00
6-10 /SEW2X/	400.00	$250.00	60.00
11-15 /SEW3X/	600.00	250.00	90.00

Larger Ameritech Integrated Digital Network Capacities are available in customer negotiated capacities and increments for additional simultaneous circuit switched intercommunications transmission paths. Each additional ten (10) Ameritech Integrated Digital Network circuit switched intercommunication transmission paths will be provided at an I.N.C. of $500.00, an Upgrade Charge of $550.00 and a Monthly Charge of $75.00 in accordance with the provisions of paragraph C. preceding. These charges are in addition to the 11-15 System Capacity charges as stated above.

b. Increasing or decreasing the System Capacity level may occur at the customer's request. Increasing the System Capacity requires converting to the higher capacity, paying the new monthly rate and all applicable upgrade charges between the current capacity and the new capacity. Decreasing the System Capacity requires converting to the lower capacity and paying the new monthly rate.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

H. Rates and Charges (cont'd)

5. Circuit Switched Voice Service Element Charges

	I.N.C.	Per Mo.
a. Standard capabilities and features as described in F.2.b. preceding apply on a per Basic Access Line basis /LTQ5X/*	$50.00	$3.00
b. Optional capabilities and features		
Assignment of up to xx call appearances and/or features to the associated customer station equipment indicators …		
up to 20 /HOT1X/	40.00	1.20
up to 30 /HOT2X/	60.00	2.35
up to 45 /HOT3X/	80.00	5.00
up to 65 call /HOT4X/	100.00	8.60
Message Desk Attendant /MDJ/	100.00	12.10

6. Circuit Switched Data Service Element Charges

a. Standard capabilities and features as described in F.3.b. preceding apply on a per Basic Access Line basis /LTQ6X/	50.00	3.85

7. Circuit Switched Voice/Circuit Switched Data Service Element Charges

a. Standard capabilities and features as described in F.2.b. and F.3.b. preceding apply on a per Basic Access Line basis /LTQ1X/	50.00	4.05
b. Optional capabilities and features		
Assignment of up to xx call appearances and/or features to the associated customer station equipment indicators …		
up to 20 /HOT1X/	40.00	1.20
up to 30 /HOT2X/	60.00	2.35
up to 45 /HOT3X/	80.00	5.00
up to 65 call /HOT4X/	100.00	8.60
Message Desk Attendant /MDJ/	100.00	12.10

* Caller ID is a standard feature and the network portion of Caller ID will be determined in accordance with the PBX trunk equivalents specified in Part 4, Section 2. The charges specified in Part 7, Section 2, apply to lines determined to be the network portion of Caller ID.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK[1] (cont'd)

H. Rates and Charges (cont'd)

	I.N.C.	Per Mo.
8. Attendant Position Interface Charges		
a. Standard capabilities and features as described in F.5.b. preceding apply on a per Basic Access Line basis /MD9PC/	$1,250.00	$50.00
b. Optional capabilities and features:		
Queuing for attendants with call waiting indication /A7GPC/	200.00	12.45
Call-Through Test /A7HPC/	50.00	4.10
Traffic Data /A7JPC/	200.00	11.35
Direct Station Selection - per 100 Busy Lamp Field /A7SPC/	50.00	3.60
Call Identification /A7TPC/	100.00	8.25

9. Specially provisioned Basic Access Line(s) for connection to the following Interface Services from the Company's central office to the customer's premises is required: Message Desk, Electronic Directory, Traffic Data, Message Detail Recording, and Facilities Management.

Per specially provisioned line /LSN1X/	--	15.10
a. Message Desk Interface Charges		
1. Standard capabilities and features as described in F.6.b. preceding /M15/	$3,000.00	164.60
Per number of lines in Business System		
1-250 lines /M151X/	--	63.00
251-500 lines /M152X/	--	125.00
501-1000 lines /M153X/	--	250.00
1001-2000 lines /M154X/	--	500.00
2001-4000 lines /M155X/	--	1,000.00
4001 and above /M156X/	--	2,500.00
2. Optional capabilities and features as described in F.6.c. preceding		
Per number of lines in Business System		
1-250 lines /M161X/	--	75.00
251-500 lines /M162X/	--	150.00
501-1000 lines /M163X/	--	300.00
1001-2000 lines /M164X/	--	600.00
2001-4000 lines /M165X/	--	1,200.00
4001 and above /M166X/	--	3,000.00
b. Electronic Directory Interface Charges		
Standard capabilities and features as described in F.7.b. preceding /EDT/	1,000.00	49.40
Per number of Ameritech Integrated Digital Network lines		
1-250 lines /EDT1X/	--	25.00
251-500 lines /EDT2X/	--	50.00
501-1000 lines /EDT3X/	--	100.00
1001 and above /EDT4X/	--	500.00

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK/1/ (cont'd)

H. Rates and Charges (cont'd)

	I.N.C.	Per Mo.
9. (cont'd)		
c. Traffic Data Interface Charges		
Standard capabilities and features as described in F.8.b. preceding /TDF/	$1,000.00	$26.20
d. Message Detail Recording Data Interface Charges		
Standard capabilities and features as described in F.9.b. preceding /MR5/	750.00	25.00
Per number of lines in Business System		
1-250 lines /MR51X/	--	25.00
251-500 lines /MR52X/	--	50.00
501-1000 lines /MR53X/	--	100.00
1001-2000 lines /MR54X/	--	200.00
2001-4000 lines /MR55X/	--	400.00
4001 and above /MR56X/	--	1,000.00
e. Facilities Management Interface Charges		
Standard capabilities and features as described in F.10.b. preceding /ARA/	1,000.00	49.85
10. Secondary Only Directory Number /DO6/	--	.25

I. Availability

The service is furnished subject to the availability of the switching and control equipment. Variations in the switching and control equipment used may cause differences in the operation or availability of certain features. Ameritech Integrated Digital Network will be provided in a remote configuration only in those cases where the Company chooses to locate a portion of a digital central office away from its normal location. In such cases, the STF service will be measured from the customer's premises to the remote site. In addition, separate charges will apply for the digital facility that will be required to link the host and the remote. Ameritech Integrated Digital Network may be provided where facilities permit and where capacity is available. A service inquiry must, therefore, be made to determine the availability of service in a particular area or exchange.

/1/ See paragraph J. following for the provisioning of AIDN Service.

AMERITECH INTEGRATED DIGITAL NETWORK (cont'd)

J. Provisioning Of AIDN Service

Ameritech Integrated Digital Network (AIDN) will not be provided to new customers on and after February 26, 1993. Customers having this service or who have placed an order or have executed a letter of intent to place an order and had it accepted by the Company as of that date, may continue such service from their present central office. As of February 26, 1993, any customer under a service agreement or contract for AIDN may not extend, renew, or otherwise lengthen the term of that agreement or contract for service; however, additions or deletions of lines or features to such customer's existing service agreement or contract are permissible. Upon expiration of the contract term service may be continued on a month-to-month basis, at the then applicable guidebook rates. Current month-to-month customers may continue service on that basis, but may not execute service contracts after February 26, 1993.

The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this guidebook without prior written consent of Ameritech. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in this guidebook are superceded.

In the event that AIDN is terminated at any location for such a customer, AIDN service will not be re-established. The following do not constitute a termination:

- The primary location for AIDN is moved to a new location within the serving central office at the same capacity category.
- Move to a secondary location at which the customer is already being served.
- Election of a new capacity category.

AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE/1/

A. General

1. Ameritech Central Office Information Manager Service provides advanced voice features and data switching using standard telephone wiring. Centrex Service or Centrex Switching Service (CSS) provides the voice functionality for Ameritech Central Office Information Manager Service. Unless otherwise indicated, use of "Centrex" herein will refer to either Centrex Service or Centrex Switching Service.

2. When Service Group B is provided in conjunction with Centrex Service, the Centrex lines associated with this Service Group will be subject to the CSS rates in lieu of those for Centrex Service. However, such lines may still be counted toward meeting the customer's contractual liability, if any, for Centrex Service lines.

3. Ameritech Central Office Information Manager Service consists of basic network elements that provide for packaged communications arrangements referred to as Service Group B. Service Group B can only be provided from specially equipped Company central offices, as determined by the Company.

4. All customer provided equipment used to interface with Ameritech Central Office Information Manager Service is required to conform with the Technical Reference Specifications as used by the Company and found in the following technical reference.

Subject	Technical Reference	Source
CPE SERVICE GROUP B	AM TR-PSS-000018	APEx Support Team (734) 523-7348

B. Contracts

1. The Company may offer Ameritech Central Office Information Manager Service and the intercommunication portion of the Service Transport Facilities (STF) to individual customers on such terms and at such rates and charges as it deems reasonable. Individual contracts will specify the terms, length of service, conditions, capabilities and rate levels applicable to those specific customers. Nonrecurring Charges will not be refunded, either in whole or in part, to customers who terminate service prior to the expiration of their contract.

2. Centrex customers who add Ameritech Central Office Information Manager Service will be liable for Centrex termination charges in the event that they decrease the number of lines below the limit associated with their Centrex contract prior to the expiration date of their original contract. STF contracts remain unaffected by the addition of this service.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

B. Contracts (cont'd)

3. The Network Access portion of the STF service will be based on P.B.X. trunk equivalency as described in Part 5, Section 2. Where the Company negotiates an individual customer contract it will use rate levels as specified in Part 4, Section 2 for the network access portion of STF.

4. All rates quoted will cover the cost of providing the service offered.

5. The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this guidebook without prior written consent of Ameritech. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in this guidebook are superceded.

C. Service Group B

1. General

   a. Service Group B is provided by a central office based integrated voice data switch. It can provide the following services or combination of services: Advanced Voice Service, Advanced Voice with Asynchronous Data Service, and Asynchronous Data Service.
   b. Service Group B can provide the following two types of channels over standard telephone wire between the central office and the customer's Network Point of Presence (NETPOP) or Access Terminal (AT) described in Part 2, Section 2.
      1. A 64 Kbps, full-duplex digital channel for digital voice transmission or asynchronous switched data transmission.
      2. A 64 Kbps, full-duplex digital channel for asynchronous switched data transmission.
   c. When Service Group B is provided in conjunction with Centrex Service, the Centrex lines associated with this Service Group will be subject to the CSS rates in lieu of those for Centrex Service. However, such lines may still be counted toward meeting a customer's contractual liability, if any, for Centrex Service lines. Furthermore, this provision does not alter a customer's rights or liability under any existing contract for Centrex Service.

2. Service Descriptions, Elements and Features for Service Group B

   a. Service Description

      <u>Advanced Voice Service</u> - Provides features described in c.1. following for customer-provided devices. Features comprising this service are standard in Service Group B.

      <u>Asynchronous Data Service</u> - Provides features described in c.2. following for customer-provided devices. Features comprising this service are standard for Service Group B.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

b. Service Elements

Analog Telephone Termination - Central Office based connection to switching equipment providing termination for STF or equivalent lines.

Centrex Line Termination - Termination of the Centrex line extended from the customer's Centrex system to the central office based integrated voice data switch.

Data Facilities Pooling - Customer Specific Service - Provides the ability for the customer subscribing to the asynchronous data services described in C.2.a. preceding to transmit data to and receive data from non-Service Group B destinations via dedicated central office based dial-up asynchronous transmission data facility pool connections. A message telephone service line is required.

Transport Facilities - The connection of the customer's NETPOP with the Company's serving central office can be provided via Service Transport Facilities (STF) as specified in Part 4, Section 2 and Part 5, Section 2.

c. Service Features

1. Advanced Voice Features

In addition to features provided by Centrex, Service Group B can provide the following advanced voice features as standard.

Automatic Answer - Allows user to answer calls, including intercom, without touching the telephone set. Calls to a busy set (line) in Automatic Answer mode are answered as soon as the set (line) becomes idle or is put on hold.

Automatic Dialing - Provides automatic dialing of a previously stored number. Each Auto Dial key may store up to 40 digits and pauses.

Automatic Hold Between Lines - Automatically places a call on hold when selecting a new line, without depressing a "Hold" function button. This feature prevents accidentally dropping a call.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

1. Advanced Voice Features (cont'd)

Automatic Line Preselect - Automatically connects user to a line when the handset is lifted. Preselect can be configured to select a ringing line, an idle line, a primary line or no line.

Call Forward Interaction - Visual indication that user has invoked call forwarding.

Call Pick-Up With Identification - Permits a user, configured as a console, to answer calls directed to another user within the same pick-up group. The name or number of the called party is displayed, allowing the console operator to identify which line is being answered.

Call Timing - Times a call and displays the elapsed time when a call is concluded. Includes timing of Intercom calls. Call timing is measured as total holding time.

Clock - LED display of current day, date and time.

Configurable Auto Dial - Automatic dialing of previously stored numbers by depressing one button. Stored numbers are preprogrammed by a System Administrator and cannot be changed by system users.

Delayed Ringing - Allows a line to appear and ring at a designated, compatible CPE device and also appear and ring at another designated, compatible CPE device (either as a button appearance or via dynamic display) after a pre-determined number of rings. The line will continue to ring at both devices until answered by either one of the devices.

Direct Station Selection/Busy Lamp Field - May provide direct access from a console to any station line served from the host switch. The busy lamp field monitors line status.

Differential Ringing - Distinctive ringing tones distinguish different types of incoming calls.

End to End Signaling of DTMF Tones - Permits the user to send Dual Tone Multi-Frequency tones during a call.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

1. Advanced Voice Features (cont'd)

Exclusive Hold - When a call on a designated line is put on hold it may only be released by the set that put the line on hold.

Hookflash - Allows the user to send a precise hookflash signal to the host.

Intercommunication - Allows the user to call another user in the same intercom group by dialing a one or two-digit code.

Intercommunication Caller Identification - Visual display of the caller's name and intercom number.

Last Number Redial - Automatic redial of the last number dialed.

Message Waiting Indication - Allows a user with control capability to activate a light on other user's customer provided equipment.

Multiple Appearance - Permits any line on the host switch to appear on up to 35 different user stations. Each user may make or receive calls from the line, but not simultaneously.

Multiple Lines - Each station may be configured for one or more lines from the host switch.

Other Party - Permits a user to hold a call and make or answer a call on the same line. Allows users to alternate between two parties on the same line.

Privacy - Allows a user to exclude other users with the appearance of the same line from entering an existing conversation. Privacy can be configured to be always on or off, or to be turned on or off with a fixed button.

Ring Disable - Allows a user to temporarily deactivate line ringing and intercom buzzing on customer provided equipment.

Single Button Access to Centrex Features - Allows a user to activate Centrex features via fixed buttons and flexible buttons as defined in the system software.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

1. Advanced Voice Features (cont'd)

Speakerphone - Activation or deactivation of speakerphone capabilities in equipped compatible customer provided equipment.

Speed Dial - Permits automatic dialing of stored numbers (maximum 40 digits) by dialing an abbreviated code.

2. Asynchronous Data Features

Service Group B provides for an asynchronous data network for calls between data terminals and the host switch. The following asynchronous data features are provided with this service group:

Autobaud Incoming - Configuration of a data port to automatically detect an attached device's baud rate, and to automatically operate at that baud rate.

Autobaud Outgoing - Automatic adjustment of baud rate to that of the Data Terminal Equipment (DTE), if the device at the answering or calling end of the connection provides autobaud.

Automatic Answer - Automatic answering of an incoming data call by a data port.

Automatic Power Up Reconfiguration - Automatic reconfiguration of each data port, as specified on the data base disk, after a system power outage.

Automatic Dual Speed Modem Support - Allows use of a single modem for both high speed and low speed operations.

Call Progress Indication - Provides continuous status of a data call connection via status lights and system messages.

Command Response Suppression - Allows configuration of a port to suppress responses to commands sent to the switch.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

2. Asynchronous Data Features

CRT Keyboard Dialing - A menu driven interface for dial access to other data ports. Status messages are provided for each call attempt.

Data Call Disconnect - Provides disconnection of a data call after logging out of a far-end session, and returning to the data call command menus.

Data Call Hold - Enables the user to hold a data call and return to the data call command menus.

Data Call Reconnect - Provides resumption of a held data call from the data call command menus. The connection resumes from the point at which the call was held.

Dedicated Connections - Allows the System Administrator to predefine permanent connections.

Dial by Name - Provides access to specific computer ports by typing the port name.

Disconnect Delay - Provides for the delay of the connection of a new user to a computer port to ensure that the former user is completely logged off.

DTE/DE Emulation - Allows configuration of both an Asynchronous Device Adapter (ADA) and a Dual ADA to connect to either Data Terminating Equipment (DTE) or Data Circuit terminating Equipment (DCE) type devices.

Examine Port Status - Allows checking of any data port on the system to determine its activity, connection status, revision level and type (ADA or Dual ADA).

Far End Disconnect Supervision - Automatic disconnection of one end of a data connection when the other end disconnects. Modem pooling requires this capability.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

2. Asynchronous Data Features (cont'd)

Flow Control Supervision - Configuration of the system to supervise flow control, allowing each device and each direction to the connection to have independently configured flow control. An ADA provides translations necessary to connect two devices with different flow control protocols.

Flow Control Transparent - Allows configuration of the system to allow transparent flow when speed matching is not required.

Hunt Groups for Shared Port Access - An automatic search of a group of shared ports to find an available port in response to a connection request.

Loopbacks - Data loopback tests performed by the ADA or Dual ADA from the terminal host port or the Remote Server Unit for the purpose of trouble detection.

Inbound Modem Pooling - Switching of incoming calls to the correct data device according to instructions from the remote caller, or directly, if the port is configured for Predefined Destination.

Menu Prompting - A menu based interface that assists the user to invoke features (e.g., make data calls, program data port attributes, check data port status).

Nailed Connections - See Dedicated Connections

Nonblocking Modem Pooling - Provision of sufficient transmission paths for all ports to be simultaneously involved in data calls.

Outbound Modem Pooling - Sharing a group of intelligent modems and accessing the group with a single dialed name. Once connected to a modem a user may dial directly.

Password Access - Configuration of each data port to require a user name and password before allowing access to the system. Only the user and the System Administrator can change the user's password.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

c. Service Features (cont'd)

2. Asynchronous Data Features (cont'd)

Physical Device Characteristics Matching - Automatic compatibility matching of the physical characteristics of devices attached at both ends of a connection.

Port Contention - Allocation of ports as requested using the hunt group feature. Allows queuing of users when no ports are available.

Port Queuing - Placement of users in queue until a port in the selected port group becomes available. Users may request their status in the queue at any time.

Predefined Destination - Configuration of a port to automatically connect to a predefined port or port group when it detects a wake-up event (e.g., carriage return).

Programmable Baud Rate - Enables users to change their own data port baud rate by using the data call command menus.

Reliable Transmission Protocol - End to end data error correction.

Selected EIA Protocols - EIA signaling lead protocols which support most common modems and terminals.

Simultaneous Voice and Data Connections - The ability to simultaneously place a voice call and data call.

Speed Matching - Connects different data ports operating at different baud rates, without having to change speed settings. The system buffers at both ends.

Split Baud Operation - Allows use of modems that operate in full duplex mode.

Standard Interface Support - Data connections meet the electrical specifications of RS-232-C and V.28.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

2. Service Descriptions, Elements and Features for Service Group B (cont'd)

   c. Service Features (cont'd)

      2. Asynchronous Data Features (cont'd)

         Switched Port Connections - Allows dialing of any data port or port group attached to the Ameritech Central Office Information Manager. A virtual connection is established if a user has a dedicated connection.

         Terminal Origination of Data Calls - Direct origination of data calls from an ASCII terminal connected to an ADA or Dual ADA.

         Timeouts - Automatically makes an inactive port available to other users after a specified period of time. Available with or without alarms.

         User Selected Data Port Descriptions - The ability to change data characteristics to one of the predefined terminal types.

3. Provision of Service

   a. Service Group B is offered in association with Centrex Service only.

   b. CSS line charges are applicable to each CSS line terminated in the central office based voice data switch. In addition, transport facilities are also required for each connection of the Central Office to the customer's NETPOP.

   c. The customer is responsible for the distribution of access codes, e.g., passwords to authorized users, and the security of their data base.

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

4. Rates and Charges

a. The following rates and charges are in addition to the rates and charges for any other services to furnish a communications system.

b. Nonrecurring Charges

1. Service Establishment Charge

The Service Establishment Charge is applicable at the time service is established.

	I.N.C.	Per Mo.
Service Establishment Charge, Per System, Per Customer		
First 50 Ports /SESVM/	$150.00	
Each Additional 100 Ports /SESPG/	150.00	

2. Feature Translation Change Charge

Applies for the translations to add, change or delete existing advanced voice features or asynchronous data features to existing channels.

Feature Translation Change Charge Per Channel /PT3T2/	16.50	

c. Rate Schedule

1. Centrex Line Terminations

a. Centrex Line Termination Port Accommodating the Termination of One Centrex Line, each /PTJAX/	35.00	$5.00
b. Analog Telephone Termination Port Accommodating the Termination of One Centrex Line, each /PTJBX/	59.00	5.00

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AMERITECH CENTRAL OFFICE INFORMATION MANAGER SERVICE[/1/] (cont'd)

C. Service Group B (cont'd)

4. Rates and Charges (cont'd)

	I.N.C.	Per Mo.
c. Rate Schedule (cont'd)		
2. Advanced Voice Service and Asynchronous Data Service		
Port Accommodating One Link for the Termination of One Voice Channel or One Voice and One Data Channel		
a. Advanced Voice Service Per Voice Channel /PTJE+/	$59.00	$5.00
a. Asynchronous Data Service Per Data Channel /PTJED/	130.00	9.00
3. Asynchronous Data Service		
Port Accommodating One Link for the Termination of One or Two Data Channels		
a. Per Asynchronous Service		
First Data Channel /PTJEE/	137.50	15.00
Second Data Channel /PTJEF/	130.00	15.00
4. Data Facility Pooling - Customer Specific Service		
Standard capabilities as described in C.2.b. preceding.		
a. Per Channel /PTJEN/	202.00	27.00
5. Transport		
Transport Facilities are required as described in C.2.b. preceding.		

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AMERITECH BUSINESS SOLUTIONS CENTREX

Effective 7/25/96, new installations of Ameritech Business Solutions Centrex will no longer be made. Customers who are under contract will be permitted to expand their system, under the terms of their contract, until the expiration of the contract. Upon expiration of their contract, customers must choose another service. All month-to-month customers must choose another service by March 1, 1998.

A. Descriptions

Ameritech Business Solutions Centrex is a local exchange telecommunications service, provided by a telecommunications system located in a Company central office, which controls the switching of:
- Calls from the exchange network to the Centrex lines,
- Calls from the Centrex lines to the exchange network,
- Intercommunicating calls between Centrex lines.

Direct Inward Dialing is provided to the Centrex by line selection in the central office.

Identification of outward dialing is provided for Centrex lines by individual line identification in the central office for those inter-exchange carriers for which the Company renders billing services.

Ameritech Business Solutions Centrex offers two types of lines:
- Basic Lines
- Electronic Key Lines

Ameritech Business Solutions Centrex is offered only as a complete service. The network access and intercom portions of the Centrex station line are not provided separately.

B. Definitions

Addition
Provision of supplementary service to a customer's installed system up to the capacity of the system.

CCS
A measure of traffic usage expressed in Hundred Call Second Increments (where the Roman numeral C represents one hundred). One call which lasts 100 seconds constitutes one CCS. There are 36 CCS in one hour.

Downgrade
Enumerated changes to an installed system generally resulting in a decrease in capacity, capability and/or lower monthly charge.

Line Commitment
The number of lines the customer has selected as the contract commitment.

Payment Plan
A period of time selected by the customer from among those currently offered by the Company, over which the customer agrees to pay a specified price for a product/service.

Removal
Deletion of equipment or service from a customer’s installed system.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

C. Terms and Conditions

Provision of Service
Ameritech Business Solutions Centrex is provided from switching equipment located on Ameritech premises and is offered for 2 or more lines subject to the availability of facilities. Variations in the switching and control equipment used may cause differences in the operations or availability of certain features. Ameritech Business Solutions Centrex is provided at the option of Ameritech and is furnished subject to central office switching capacity and the availability of outside plant facilities. Ameritech Business Solutions Centrex is limited to a minimum of 2 lines.

Ameritech Business Solutions Centrex requires Service Transport Facilities (STF) as provided for in Part 4, Section 2 and Part 5, Section 2. The intercommunication portion of STF, Part 5, Section 2, is an integral part of the Centrex service offering. The network access portion of STF is provided pursuant to Part 4, Section 2. The network access portion of STF will be determined in accordance with the PBX trunk equivalents specified in Part 4, Section 2.

Customers subscribing to this service after October 11, 1995 must subscribe to STF "pair at a time" at the rates shown in Part 4, Section 2 and Part 5, Section 2, except those customers converting from other Centrex Services provided by the Company.

Intercept of Calls to Unassigned Station Line Numbers
Incoming and Intra-group calls to unassigned numbers are intercepted by standard recorded announcement. (C)

Suspension of Service
Suspension of service is not offered for Ameritech Business Solutions Centrex.

Centrex Service Guarantee
Centrex Service Guarantee enables customers to install a Centrex System, and if during or up to 90 days after the initial service is installed, the customer decides not to retain the Centrex service, the System Charge and the non-recurring charge for installed Centrex and/or Electronic Key lines will be credited to the customer's account provided that:

- The customer will be responsible for any non-recurring charges associated with the installation of any new service (Exchange Access lines), other than Centrex service.
- A customer who requests termination of the Centrex service before expiration of the initial 90 days may have their prior Ameritech service reconnected without incurring any non-recurring charges, provided the identical service (Exchange Access Lines) is being reconnected. Any non-recurring charges attributable to changes from the customer's prior service will be paid by the customer.

The Centrex Service Guarantee shall not apply to Centrex Systems which include the following optional feature; however, a customer selecting Centrex service may add the following feature after the expiration of the initial 90 day period and upon payment of any applicable non-recurring charges:

- Ameritech Centrex Message Signal Interface (ACMSI)

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

C. Terms and Conditions (cont'd)

Centrex Service Guarantee (cont'd)
Customers selecting the Centrex Service Guarantee may make changes to their Centrex service (station additions, feature changes and additions) subject to the above sub-paragraph.

Customers must have a signed confirmation of order and select a 12, 36, 60 or 84 month payment plan. Centrex Service Guarantee is not available for service subscribed to on a month to month payment option; temporary service or promotional events. The 90 day trial period will be considered as the first 90 days of the contract.

Prices, charges, terms and conditions specified elsewhere in the offering for Centrex service shall apply.

Transmission Specifications

Centrex Line Standard Transmission
The standard transmission specification for Centrex lines consists of: dial pulse signaling or Dual Tone Multi-Frequency (DTMF) signaling - approximate bandwidth of 300 to 3,000 Hz, loss of 0 to 8.5 dbm at 1004 Hz.

Loop Start Signaling
Centrex lines and Electronic Key lines are provided on a single two-wire facility with loop start signaling.

Electronic Key Line Standard Transmission (Non-ISDN)
Electronic Key Lines are provided on a non-loaded loop for access by preprogrammed push button features on compatible Customer Provided Equipment. The distance limitations from Ameritech's switching equipment is approximately 2.5 miles.

Interface Specifications for Customer Provided Equipment
Customer Provided Equipment (CPE) compatibility requirements are listed in Ameritech Technical References. All Customer Provided Equipment used to interface with Ameritech Business Solutions Centrex is required to conform with the Technical Reference Specifications as used by Ameritech and found in the following Technical references:

Subject	Technical Reference
Caller ID – Display	AM-TR-TSY-000030
	AM-TR-TSY-000031
Electronic Key Line	AM-TR-NPL-850004
Data	AM-TR-NPL-850005

The Technical References can be obtained from:

APEx Support Team
(734) 523-7348

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

C. Terms and Conditions (cont'd)

Local Service Area
The district of the serving wire center for Ameritech Business Solutions Centrex determines the local service area for all station lines. (See the Reference section for the location of applicable charges.)

Termination at another location
An Ameritech Business Solutions Centrex customer may terminate one or more lines at another business customer's location when the lines are used exclusively for the Ameritech Business Solutions Centrex customer's own communication needs. The following regulations are applicable:

- The Ameritech Business Solutions Centrex lines must be restricted from placing calls outside the Ameritech Business Solutions Centrex System (intercom only stations);
- The Ameritech Business Solutions Centrex customer is responsible for all non-recurring charges and recurring prices for the Ameritech Business Solutions Centrex system;
- The Ameritech Business Solutions Centrex customer is responsible for all the service associated with the Ameritech Business Solutions Centrex lines including, but, not limited to directory listings and incoming MTS toll charges.

Cancellation of Service
In the event of a customer initiated cancellation of service, equipment and/or facilities before completion, or after installation is completed, but prior to service being established, the loss of equipment and facilities in the process of building or being installed, cost of installation labor, cost of removal and other expenses will apply. In addition, Service Connection Charges may also be applicable.

Resale
Centrex service may be resold, shared or otherwise aggregated among unaffiliated end users to accommodate a shared tenant/reseller environment as a measured business class of service only.

Station to station calling is only allowed among affiliated end users. Unauthorized intercom calling may result in cancellation of the service to Centrex resellers, sharers or aggregators violating this prohibition pursuant to this offering.

The reseller, sharer or aggregator is responsible for payment of all charges including deposits and termination charges.

The reseller, sharer or aggregator is the customer of record with regard to any rights or privileges concerning the control or access of the telephone number or numbers.

System Charge
The System Charge is applicable to the establishment of any new Centrex system and to any relocation of an entire Centrex system, unless the customer's relocation is within the serving central office boundary.

The System Charge will be determined at time of installation based on the total number of equipped and reserved telephone numbers. A System Charge applies to each Ameritech Business Solutions Centrex arrangement or common block.

The System Charge may be paid in full on the first bill after cut over of the system or may be financed under the provisions of the Deferred Payment Plan.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features

Ameritech Business Solutions Centrex Packages

Silver Package

Inherent Features

Intercom Dialing	Direct Inward Dialing
End to End Signaling	Usage Billing by Line Number
Equal Access for InterMSA calling	Touch-Tone
Direct Outward Dialing	

Basic Features

Conference Calling-3 way	Call Transfer-All
Consultation Hold	Call Transfer-Deluxe
Call Forwarding-Variable/Ring Reminder	Hunting Arrangements-Series and Circular Hunt Only
Call Pick Up	

Gold Package

Inherent Features

Intercom Dialing	Direct Inward Dialing
End to End Signaling	Usage Billing by Line Number
Equal Access for InterMSA calling	Touch-Tone
Direct Outward Dialing	

Basic Features

Conference Calling-3 way	Call Transfer-All
Consultation Hold	Call Transfer-Deluxe
Call Forwarding-Variable/Ring Reminder	Hunting Arrangements-All
Call Pick Up	

Deluxe Features

Speed Calling-Short	Call Diverting
Call Hold	Call Waiting/Cancel Call Waiting
Call Forwarding-Don't Answer	Call Forward of Call Waiting Calls
Call Forwarding-Busy	Distinctive Ringing and Call Waiting Tones
Night Answer	

Centrex Mate

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Platinum Package

Inherent Features

Intercom Dialing
End to End Signaling
Equal Access for InterMSA calling
Direct Outward Dialing
Direct Inward Dialing
Usage Billing by Line Number
Touch-Tone

Basic Features

Conference Calling-3 way
Consultation Hold
Call Forwarding-Variable/Ring Reminder
Call Pick Up
Call Transfer-All
Call Transfer-Deluxe
Hunting Arrangements-All

Deluxe Features

Speed Calling-Short
Call Hold
Call Forwarding-Don't Answer
Call Forwarding-Busy
Night Answer
Call Diverting
Call Waiting/Cancel Call Waiting
Call Forward of Call Waiting Calls
Distinctive Ringing and Call Waiting Tones

Centrex Mate

Advanced Forward and Directory Package

Personal Call Screening
Network Speed Calling (1st 100 numbers)
Call Forwarding Over Private Facilities

Call Productivity Package

Automatic Call back
Call Park (where facilities permit)
Directed Call Park
Directed Call Pick Up
Last Number Redial

Cost Control Package

Customized Call Diverting
Remote Access (where facilities permit)
Authorization Codes
Automatic Route Selection-Deluxe

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

The following packages are available as indicated:

N/A -Not Applicable Opt.-Optional Std.-Standard

Packages	Silver	Gold	Platinum
Voice Mail Network Support	Opt.	Opt.	Opt.
Message Waiting Indicator-Audible *or*			
CLASS Visual Message Waiting Indicator			
Call Forwarding-Don't Answer (5 paths)		Std.	Std.
Call Forwarding-Busy		Std.	Std.
Caller ID Intercom Package	Opt.	Opt.	Opt.
Caller ID Package	Opt.	Opt.	Opt.
Advanced Forward and Directory Package	N/A	N/A	Std.
Personal Call Screening			
Network Speed Calling (first 100 numbers)			
Additional Speed Calling Numbers (per 100 numbers)			
Call Forwarding Over Private Facilities			
Call Productivity Package	N/A	Opt.	Std.
Automatic Call back			
Call Park (where facilities permit)			
Directed Call Park			
Directed Call Pick Up			
Last Number Redial			
Cost Control Package	N/A	N/A	Std.
Customized Call Diverting			
Remote Access (where facilities permit)			
Authorization Codes			
Automatic Route Selection-Deluxe			
Audio Conferencing	N/A	Opt.	Opt.
6 Port Conferencing			
Enhanced Audio Conferencing	N/A	Opt.	Opt.
30 to 150 Ports			

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

The following packages are available as indicated:

N/A -Not Applicable Opt.-Optional Std.-Standard

Packages	Silver	Gold	Platinum
Electronic Key Line	N/A	Opt.	Opt.
Analog Line Pickups			
Automatic Dial			
Automatic Line Preselect			
Blind Transfer with Recall Identification			
Call Forwarding per Key			
Call Request			
Call Request with Queue			
Called Number Display			
Calling Number Display - Intercom			
Calling Reason Display			
Display Capability			
Directory Number Hunt with Call Waiting and Preferential Hunt			
Executive Busy Override			
Executive Busy Override - Exempt			
Group Intercom			
Individual Page			
All Calls			
Intercom Key			
Last Number Redial			
Leave Message Activation			
Listen on Hold			
Make Set Busy			
Make Set Busy except on Group Intercom			
Message Waiting Activation Control			
Message Retrieval Display			
Multiple Appearance Directory Numbers - Single Call Arrangement (SCA)			
Bridging			
Conference Interaction			
Conference w/3-Way Calling			
Privacy			
Ring Again Idle Set			
Message Waiting Indication - Visual			
On Hook Dialing			
Privacy Release Conference Control			
Repeat Alert			
Ringing Options for MADN			
Secondary MADN Call Forwarding			
Set Inspect			
Short Hunt			
Stop Hunt - Access Code			
Time and Date Display			

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

The following packages are available as indicated:

N/A -Not Applicable Opt.-Optional Std.-Standard

Packages	Silver	Gold	Platinum
Area Wide Networking	N/A	Opt.	Opt.
Ameritech Virtual Network within Market Service Area 1 (MSA 1)	N/A	N/A	Opt.
Optional Features Available with Gold and Platinum			
Ameritech Centrex Message Signal Interface	N/A	Opt.	Opt.
Announcement Services	N/A	Opt.	Opt.
Customer Premises Announcements			
Central Office Recorded Announcements			
Assume Dial 9	N/A	Opt.	Opt.
Call Request with Queue	N/A	Opt.	Opt.
Direct Connect Originating	N/A	Opt.	Opt.
Electronic Key Line Options Features	N/A	Opt.	Opt.
Calling Name Display on Intercom			
DSS/BLF with Fast Transfer and			
Camp On			
Executive Display Communications			
Multiple Appearance Directory Numbers - Multiple Call Arrangement			
Query Busy Station			
Secondary Directory Telephone Numbers			
Add-On Module - 10 or 18 Button			
Add-On Module - 20 or 30 Button			
Do Not Disturb	N/A	Opt.	Opt.
High Speed Data Service	N/A	Opt.	Opt.
Make Busy Access Code	N/A	Opt.	Opt.
Private Facility Access Termination	N/A	Opt.	Opt.
Speed Calling-Expanded Number Group	N/A	Opt.	Opt.
Speed Calling-Long	N/A	Opt.	Opt.
Stop Hunt Key	N/A	Opt.	Opt.
Supplemental 3 Digit Dialing	N/A	Opt.	Opt.
Trunk Verification from Designated Stations N/A	Opt.	Opt.	
Uniform Call Distribution	N/A	Opt.	Opt.
Queue Slots	N/A	Opt.	Opt.
Music On Hold Interface	N/A	Opt.	Opt.
Outgoing Deluxe Trunk Queuing	N/A	Opt.	Opt.

(D)

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features

Analog Line Pickups
Allows analog lines to have a line appearance on the CPE Electronic Key set.

Automatic Callback
Permits a user who places an intrasystem call to a busy Centrex number to be automatically connected to that line when both the called and calling station lines are available.

Automatic Dial
Provides for automatic dialing of a single telephone number via a specific button on the CPE telephone.

For Centrex users with properly equipped Customer Provided Equipment (CPE) having display capabilities, this feature displays the number currently programmed for Automatic Dial.

Automatic Line Preselect
Automatically connects a user to a preselected line when the handset is lifted. Preselect can be configured to select a ringing line, an idle line, a primary line, or no line.

Blind Transfer with Recall Identification
Allows a station to transfer a call to another party without waiting for that party to answer. If the other party does not answer the transferred call in a specific time-out period, the station from which the call was transferred is recalled. On sets with the optional display that have been assigned the text-message option an alphanumeric message is displayed to help identify Blind Transfer recalls.

Call Diverting
Outgoing calls may be screened so that completion of calls to preselected areas is denied. Each arrangement is a predefined standard. The following arrangements are standard: intercom only (fully restricted), intercom and local calls (semi-restricted), and intercom, local and toll calls (unrestricted).

Denied Origination prohibits call origination from designated Centrex stations.

Denied Termination prohibits call completion to designated Centrex stations.

Call Forward of Call Waiting Calls
Allows station users that have Call Forwarding and Call Waiting assigned to their lines to forward Call Waiting calls that are not answered within a set period of time automatically to a predetermined destination.

Call Forwarding - Variable
Provides routing of incoming calls, to a preselected station line, attendant, or to a line outside the system.

Call Forwarding Reminder Ring provides a ring splash when an IntraGroup call is forwarded and the base station is idle.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Call Forwarding - Busy
Allows incoming calls to a busy station to be routed to a preselected Centrex station line, attendant, or line outside the system.

Incoming Call Only allows only incoming calls from outside of the Centrex group to be forwarded.

Internal/External Split allows separate, forwarded-to directory numbers to be assigned for calls that originated internally or externally to the customer group.

Station Activation allows a customer to activate/deactivate the feature as well as program the forward-to station from the set by using a dial access code.

To External Number allows calls to be forwarded to a number outside of the Centrex group. (Customer is responsible for any local or toll charges on forwarded calls outside the system).

Call Forwarding - Don't Answer
Allows incoming call to automatically route to a preselected Centrex station line, attendant or to a line outside the Centrex group when the called station is not answered after a preset number of rings.

Incoming Call Only allows only incoming calls from outside of the Centrex group to be forwarded.

Ring Cycles defines a predetermined number of rings before the Call Forward-Don't Answer feature is invoked on a per line or a per system basis.

Internal/External Split allows separate, forwarded-to directory numbers to be assigned for calls that originated internally or externally to the customer group.

Forwarded Number Busy Interaction Enhancement on a customer group basis, additional treatment options can be given to incoming calls that are forwarded to the forward-to destination when busy.

The available options are:
- Treat the call according to any features assigned to the forward-to destination (current functionality); or
- Do not forward the call, but continue to ring the base station until answered or abandoned; or
- Do not forward the call, but provide an intercept announcement.

Station Activation allows a customer to activate/deactivate the feature as well as program the forward-to station from the set by using a dial access code.

To External Number allows calls to be forwarded to a number outside of the Centrex group. (Customer is responsible for any local or toll charges on forwarded calls outside the system).

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Call Forwarding per Key
Allows an electronic key line user to enable each telephone number assigned this feature to call forward to a different number or destination. For Centrex users using properly equipped Customer-Provided Equipment with display capabilities, this feature displays the number currently programmed for the Call Forwarding feature.

Call Forwarding Over Private Facilities
Enables a station user to establish automatic forwarding of incoming calls to a specific private facility access group.

Call Hold
Allows a station user to hold a call in progress by dialing an access code, place another call and alternate between the two calls with privacy.

Call Park
Provides the station user the ability to park a call against the station number. The parked call may be retrieved from any station in the Centrex group by dialing a code and the station number parked.

Call Pickup
Allows a station user to answer calls directed to another station line within the same pickup group by dialing an access code. Where available, incoming calls will be answered on a first in, first out basis (longest call answered first).

Call Request
Allows a station to activate a call request to an idle or busy station. Additionally, provides the ability of a called station to activate a return call dialing by a feature button, when the station has received a call request.

Call Request with Queue
An arrangement that allows a station user to activate a call request, by dialing an access code, to another station user that may be busy or idle. Additionally, this feature provides the ability of the called station user to return a call request, by dialing an access code, to the station user that initiated the call request. This feature requires that both the Centrex Line that initiates the call request and the Centrex Line that receives the call request be equipped with this feature.

Call Transfer - All
Allows incoming, outgoing, and intercom calls to be transferred to other Centrex stations.

Call Transfer (Inter-system) - Deluxe
Incoming, outgoing, and intercom calls may be transferred to other Centrex station numbers or other lines outside the Centrex group. (Customer is responsible for any local or toll charges on transferred calls.)

Call Waiting/Cancel Call Waiting
Provides station users with an audible tone to indicate that an incoming call is waiting. This feature can be activated and deactivated with the Cancel Call Waiting capability.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Called Number Display
Capability to display the called number with the proper customer provided equipment.

Caller ID-Intercom
The caller's number, if not blocked, is displayed on compatible Customer Provided Equipment when an incoming call is received.

Calling Name Display on Intercom
Provides delivery of the calling name on calls from other station users within the Centrex system to station users with Electronic Key Line sets.

Calling Number Display - Intercom
Capability to display the calling number within the system with the proper customer provided equipment.

Calling Reason Display
In addition to a display of both the caller's number and the number being called, this also indicates the reason a call has been forwarded.

Enhancement provides more information on redirected calls.

CLASS Visual Message Waiting Indicator
Provides a visual indication when messages have been left for subscribers who also subscribe to compatible voice messaging systems. For subscribers with display sets or adjuncts, the date and time of the messages are also displayed (DMS 100 only and if the messaging service supplies this information) in addition to lighting the visual message indicator lamp. This feature has the following restrictions:

- For use on a single line set only. Not provided on EKL sets.
- Requires SS7 network capability.
- Offered on intraMSA calls only.
- Works with any instrument that complies with Bellcore specification TR-TSY-000030 ("SPCS Customer Premises Equipment Data Interface")
- Compatible with Centrex Mate, Release 8.4 (DMS only)

Conference Calling, 3-Way
Allows a user to add a third party to an existing call.

Consultation Hold
Allows a station user to hold a call in progress (incoming or outgoing) and originate another call with privacy.

Direct Connect Originating
An arrangement that permits a station line to automatically dial a predetermined telephone number when the calling station line goes off-hook.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Direct Inward Dialing (DID)
Calls from outside the Centrex group may be dialed directly to each Centrex number.

Direct Outward Dialing (DOD)
Calls may be placed outside of the Centrex group without the aid of a system attendant.

Directed Call Park
Provides the station user with the ability to park a call against another station number. The parked call may be retrieved from any station in the Centrex group by dialing a code and the station number.

Directed Call Pick-up
Allows a station user to answer calls directed at another station number within the Centrex group without regard to pick-up groups. This feature may be provided with barge-in, if requested.

Direct Station Selection/Busy Lamp Field with Fast Transfer
This provides a set of related features to allow appropriate customer premises equipment to perform attendant console like functions.

Direct Station Selection provides properly equipped customer provided equipment to monitor, via a busy lamp field station, status of directory numbers that appear in the Electronic Key line group. It will also provide direct dialing to a monitored station by means of the feature key.

Camp-On allows the user to extend a call to a busy station. The call is held until the called party is free. If the called party does not answer the waiting call, then the station that extended that call is automatically recalled by the calling party.

Fast Transfer allows the transfer of calls without having to conference a called party beforehand.

Directory Number Hunt With Call Waiting and Preferential Hunt
Allows a line with Call Waiting to be a member of a directory number hunt group and allows a preferential hunt list for each member of the group.

Display Capability
For Centrex users with properly equipped Customer Provided Equipment having display capabilities, this feature also displays user-entered or incoming call information during the use of other Centrex features.

Distinctive Ringing and Call Waiting Tone
Provides different ringing cadence for incoming calls from within the Centrex system verses outside the system. This feature also provides distinctive call waiting tones for calls coming from within the system verses outside the system for lines equipped with the Call Waiting capability.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Electronic Key Line Add-On Modules
Provides the capability to connect the 10, 18, 20, or 36 Add-On Module to the Electronic Key line set.

End to End Signaling
Allows a station user, while in the talking state, to send Dual Tone Multi-Frequency (DTMF) digits to the other end by using a dial pad.

Equal Access for Inter MSA Calling
Allows each station line to use a predetermined Inter-Exchange Carrier without dialing any special codes. Override to an alternate carrier can be accomplished by dialing an appropriate Inter-Exchange Carrier code.

Executive Busy Override
This feature allows a station to gain access to a busy station.

Executive Busy Override - Exempt
This feature denies access to stations invoking Executive Busy Override.

Executive Display Communications
Allows a station user to leave and retrieve messages at an Electronic Key line set with display.

Group Intercom
Centrex users may be members of an intercom group of up to 99 members. Each member is assigned a unique 2 digit number. This intercom is separate and distinct from station to station Intercom Calling.

Additional intercom capabilities offered, where available, are:

Individual Page allows a Group Intercom member to page another group member using the built-in speaker on a properly equipped set.

All Calls allows a Group Intercom member to simultaneously page up to 29 predefined members of the same Group Intercom group, using the built-in speaker on a properly equipped set.

Intercom Key allows a user to directly terminate on a predesignated set by pressing the intercom key.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Hunting Arrangements
Incoming calls to a busy Centrex line are redirected to a predetermined number(s) to search for an idle line on which to complete the call. If no idle number is found, a busy tone is provided. These types are available.

Circular Hunt permits a complete hunt over all of the station lines in a particular Multi Line Hunt Group (MLHG). Hunting starts with the dialed number and continues to the last terminal prior to the dialed number in the MLHG. Circular Hunt is only provided with Uniform Call Distribution, Preferential Hunt or Multiple Position Hunt.

Series or Serial Hunt allows a limited number of Centrex lines to be programmed in either a sequential (consecutively numbered) or non-sequential (non consecutively numbered) order for hunting purposes. Series hunting is done through the ordered list until an idle line is encountered or the end of the list is reached. Call handling line features can be added to the last directory number in the series to increase call completion probability. Series Completion redirects a call only once to any given line.

Enhancement redirects a call from a busy DN to another DN giving greater flexibility by providing circular Call-Forward, Busy type chaining.

Distributed Line Hunting starts the hunting at the first idle line after the previous hunt and continues until the starting point is reached.

Multi Line Hunt Group (MLHG) is a group of lines with common terminating (incoming call) features that are grouped together to share translation data. Hunting is provided by a common program (shared translations) for the group of lines. Each line is identified by a multi-line terminal number, not a Centrex number.

Enhancement allows the assignment of Multiple Pilot Directory Numbers to a MLHG. Hunting can therefore begin at different points in the group depending on the number dialed.

Non-Hunt Telephone Number in a MLHG can contain station lines which have associated non-hunt directory numbers. If the station line is busy on a call, another call to the non-hunt number will receive busy treatment. These non-hunt numbers are not in the MLHG and do not have access to the MLHG or MPH features.

Preferential Hunt permits a pre-hunt over a preferential list of station lines before hunting the entire MLHG. Each station can be associated with a particular preferential list within a MLHG.

Secretarial allows more than one Centrex line to hunt to the same line in a linear pattern.

Uniform Call Distribution (UCD) without queuing is furnished only on station lines equipped for Circle Hunt. This hunting feature provides equal distribution of incoming calls in a prearranged group. Calls in excess of the number of lines in the UCD group will not be held in queue and will receive a busy tone. A make busy arrangement is required as specified in optional features to busy out all lines in a group or single lines in a UCD group by operating a key.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Intercom Dialing
Provides for dialing between lines in the same Centrex system.

Last Number Redial
Allows a designation of a CPE station button to initiate redial of the last number called.

Last Number Redialed associated with Set re-dials last number from business set regardless of which key the call was made from.

Leave Message Activation
Capability for a station to activate, via a button, an audible or visual message indication at other locations. The receiving station controls the deactivation of the message indication upon retrieval of the message. (Requires Message System Service CPE)

Listen on Hold
Allows a user to place a called party on hold and listen through the speaker on a properly equipped set.

Make Busy Access Code
This feature may be assigned to any hunt line, directory number, multi-line hunt line, or distributed hunt line. This feature is activated by the customer dialing an access code.

Make Set Busy
Allows a designation of a CPE station button to busy out all lines terminating on the telephone set.

Make Set Busy except on Group Intercom
Allows an Electronic Key Line station to continue to receive group intercom calls when the set is put into a make busy condition.

Message Retrieval Display
Provides the capability of a station to directly retrieve messages from their display via button activation and cancel the message waiting indication. (Requires Message System Service CPE)

Message Waiting Activation Control
Provides the capability of a predesignated station to activate audible or visual message waiting indications at other stations. The sending station controls both the activation and deactivation of the message waiting indication.

Enhancement allows inter-working with 3 Way Calling, ACD, UCD, Call Request and Call Forwarding.

Message Waiting Indicator - Audible
This feature provides an audible tone signal, e.g. stutter dial tone, on a Centrex line to indicate a message waiting condition.

Message Waiting Indication - Visual
This feature provides the capability of a visual message waiting indication.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Multiple Appearance Directory Numbers - Multiple Call Arrangement (MCA)
Provides capability to terminate duplicate telephone numbers on Electronic Key Line type Sets or Single Line Sets.

Multiple Call Arrangement (MCA) allows more than one set in the MADN group to be active on the MADN simultaneously. The number of simultaneous calls is restricted only by the number of members in the MADN group.

Multiple Appearance Directory Numbers - Single Call Arrangement (SCA)
Provides capability to terminate duplicate telephone numbers on Electronic Key Line type Sets or Single Line Sets. These numbers are configured in a Single Call Arrangement (SCA).
Single Call Arrangement (SCA) allows only one set to be active (either originating or terminating) on the MADN at any given time.

Includes incoming call disconnect to automatically release the bridge for other MADN Directory Numbers.

Bridging
Allows more than one set in a MADN group to be active on a line simultaneously.

Conference Interaction allows a conference call to be either answered or established by one party, placed on hold, or picked up by another party.

Conference w/3-Way Calling enables a MADN Single Call Arrangement (SCA) with bridging options to establish a three-way call during the bridge state.

Privacy allows a user to exclude another user with the appearance of the same line from entering an existing conversation.

Ring Again Idle Set prevents a busy set from receiving call back (ring again) while active on another call.

Night Answer
Allows an incoming night call to be indicated by the ringing of a customer-provided night bell or a predesignated Centrex line. Calls may be answered at any station other than fully restricted stations by dialing a special code.

Trunk Answer From Any Station allows any station in the customer group to answer an incoming call by dialing a code. The code is dialed when the Trunk Answer From Any Station alert sounds.

On Hook Dialing
An intrinsic feature of the set, which allows the user to originate calls without lifting the handset.

Privacy Release Conference Control
This arrangement provides additional flexibility for conferencing for Electronic Key Lines (EKL) Service by segregating conferencing circuits for exclusive use of Multiple Appearance Directory Number (MADN) groups.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Query Busy Station
Allows up to 128 Electronic Key stations to query the busy/idle status of one designated station either Electronic Key line or Centrex within the group. The feature supports up to eight simultaneous requests to monitor the station for idle status display.

Repeat Alert
A station can be designated to receive additional alert tones when a call terminates on a Directory Number (DN), MADN, or Group Intercom Key and while the station is active on another call.

Ringing Options for MADN
Provides additional ringing options to a Multiple Appearance Directory Number (MADN) group.

Secondary Directory Telephone Numbers
Provides an additional directory number which is not physically terminated, but exists in the programming of Electronic Key Line Service. The additional directory number, while not terminated on a dedicated facility, may be accessed from the network and may originate unique outgoing dial tone from an instrument that has another directory number as its primary number.

Secondary MADN Call Forwarding
Allows secondary Multiple Appearance Directory Number (MADN) members to activate or deactivate call forwarding from their sets.

Set Inspect
Allows a user either display features assigned to buttons on the phone or display calling or called number of an active call or call on hold via operation of a predesignated button.

Enhancement allows this feature to also be enabled on an automatic basis displaying call information as soon as a call is presented.

Short Hunt
Permits incoming calls to hunt over a set of directory number appearances in search of an idle directory number on which to terminate.

Speed Calling - Expanded Number Group
Allows stations to place calls to a list of numbers by dialing a code. The size of the list depends on the serving technology type.

Speed Calling - Long
Allows a station line to place calls to a list of 30 numbers by dialing a code.

Speed Calling - Short
Allows a station user having access to place calls to a list of 6 or 10 numbers (dependent upon central office switch) by dialing a code.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

Line Features (cont'd)

Stop Hunt Key
This feature may be assigned to any hunt line, directory number, multi-line hunt line, or distributed hunt line. This feature is controlled by a customer provided external key. This feature requires private line facilities and customer provided equipment.

Time and Date Display
Allows time and date to be displayed. Time and date are provided by the Central Office.

Touch Tone
Provides for dialing a telephone number using Dual Tone Multi-Frequency (DTMF) signaling.

Transfer Calls to Restricted Station
Allows incoming calls, initiated from outside the Centrex system to be transferred by a designated station user to a Centrex line that is restricted from receiving incoming calls.

Usage Billing by Line Number
Calls outside of the business system which incur message units or toll charges are billed by individual telephone number when the company is the billing entity.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features

Ameritech Area Wide Networking (AWN)
Allows sunscribers to originate calls within geographically different locations using abbreviated dialing. The called party and the calling party may be in locations served by different Central Office switches and different telecommunications systems.

AWN operates across the public network or private facilities and can be provided to subscribers with PBX, ISDN-Direct, or other basic exchange services.

AWN is compatible with Centrex Mate.

AWN may include In Network Numbers and Out of Network Numbers. In Network numbers are al the telephone numbers that participate in the AWN dialing plan. Out of Network numbers are locations that may be dialed on an abbreviated basis but cannot dial back on the abbreviated dialing plan. Out of Network numbers may include telephone numbers that are not part of the subscriber's telecommunications system or that are served from areas where the service is not available.

Two dialing plan formats are available: Extension Dialing and Custom Dialing. A combination of both dialing plans may be provided. Extension Dialing utilizes sequential digits from the North American Numbering Plan (the seven digit telephone number) to originate a call, typically the last four digits of the telephone number. Custom Dialing utilizes a number pattern designed by the customer and may be unrelated to the actual telephone number. If the Custom Dialing format is used it is the option of the customer to define the dialing format and input all Custom Dialing numbers associated with their dialing plan.

Additional business or residence telephone numbers may be added to the abbreviated dialing plan as Out of Network numbers designated for termination calls only.

Out of Network numbers may be administered by the subscriber via Centrex Mate or a customer provided VT 100 compatible terminal by accessing the Service Management System (SMS). The subscriber is responsible for any usage charges incurred when accessing the SMS system.

AWN provides suscribers with call management reports. These reports will generate daily, weekly, or monthly information for the dialing plan based on originating, terminating or total dialing plan utilization. Customers may access report features via the SMS with Centrex Mate or a customer provided VT 100 compatible terminal.

Appropriate usage charges will apply to AWN calls routed over the public networks.

Some central office features will require the dialing of the complete telephone number when the AWN feature is utilized. AWN dialing will also impact some line restrictions provided by certain central office features.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features

Ameritech Centrex Mate
The Ameritech Centrex Mate feature allows a Centrex customer to make changes in the station line and/or feature configuration of their Centrex System as an alternative to the standard Company service order process. Centrex Mate allows the customer to manage feature assignments per line, exchange station numbers between like station lines, verify the assignment of features on an individual station line or bulk basis, sort for stations that have particular features, and to obtain internal directory information for stations in the Centrex Mate database. Centrex Mate is offered subject to availability of facilities and compatibility of the serving central office.

Access is provided by dial up modems via Customer Provided Equipment. The customer is responsible for any charges incurred to access the Centrex Mate system.

Centrex Mate customers may elect to continue to use standard service order procedures at any time and the service will be implemented by the Company at the prevailing charges and service intervals as specified elsewhere.

Customers may elect to have a third party other than the customer implement and manage their system for them. If this option is elected, the customer assumes responsibility for all changes executed by their authorized agent.

The Company reserves the right to withhold the service if it is determined to be incompatible with existing Switching Systems. Also, some functions of the central office switching system will have priority over execution of customer change requests. The Company assumes no responsibility for change requests delayed by priority central office functions.

Not all features and capabilities are included in Centrex Mate. A service order will be required to rearrange some items. These include but are not limited to:
- swaps of off-premises lines in different wire centers;
- lines not included in Centrex Mate such as attendant lines,
- multi-line hunt lines, and lines with special equipment.

Responsibility of the Company
The Company will provide training to these customers who elect to utilize Centrex Mate themselves and decline to elect an authorized agent. Training will be provided by the Company at the time Centrex Mate is activated without charge. Subsequent training can be provided for the customer at an additional charge as specified elsewhere in this offering.

The Company will provide the customer or the designated authorized agent with the security password access codes for the customer's Centrex Mate System.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Ameritech Centrex Mate (cont'd)

Responsibility of the Customer
The customer is responsible for the administration and protection of the Centrex Mate password and access code and will be responsible for any charges arising out of unauthorized use of the password. Customers electing an authorized agent to administer and manage their Centrex System shall be responsible for that agent's use and protection of the password and access codes.

The customer will designate at the time of installation whether they will manage their Centrex Mate system themselves or through an authorized agent. If the authorized agent is selected, the customer will provide the Company with a signed and dated letter authorizing the agent to manage the Centrex Mate system on their behalf. The customer accepts responsibility for all changes made on their behalf by their agent.

Ameritech Centrex Message Signal Interface (ACMSI)
Provides for the transmission of certain called number and other identification information via a data link connecting the ACMSI input/output port located in the Company central office to customer provided equipment.

ACMSI service consists of three features: Call History Package Delivery, Remote Activation of Message Waiting Indicator and Message Waiting Indication.

Call History Package Delivery provides detailed information of calls forwarded from Centrex lines via a Centrex multi-line hunt group and associated data link from the Company's central office to the customer provided Message System Interface.

Remote Activation of Message Waiting Indicator allows the Centrex customer to activate/deactivate an audible message waiting tone on Centrex lines or a visual LED indication on electronic business sets.

Message Waiting Indication Audible provides an audible tone signal on a Centrex line or, where technology permits, a visual LED indication on an electronic business set.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Ameritech Virtual Network (AVN) within Market Service Area 1 (MSA 1)
Ameritech Virtual Network (AVN) within Market Service Area 1 (MSA 1) extends intercom calling geographically within MSA 1, providing virtual connectivity among all types of Centrex lines using the public network.

All lines in the Centrex system and at each premises location must be included in a customer's AVN. Multiple customers sharing a Centrex Common Block cannot be part of an AVN. A minimum of 500 lines is required to establish AVN. Systems exceeding 25,000 lines may require special construction charges.

All lines in the network must terminate at an authorized premises location of the Customer of Record. Authorized locations include branches, factories, plants, etc., of the Customer of Record, or a subsidiary of the Customer of Record. A network may not be shared among unaffiliated end users.

When AVN is provided through resale, all lines in each AVN network must terminate at an authorized premises location of the same end user customer of the reseller. All other terms and conditions as stated above including requirement of a minimum of 500 lines per end user customer of the reseller also apply.

Announcement Services
Announcements can be utilized with various Centrex services, such as UCD, ACD, ARS, Queue Slots and Music on Hold. Two announcement arrangements are available: (C)

Customer Premises Announcements provides an interface to the customer premises for recorded announcement or music.

Central Office Recorded Announcements may be provided in the following arrangements:

- provides for a standard Company recorded announcements (C) (D)

Assume Dial "9"
An arrangement that allows station users to originate network calls by dialing the appropriate seven or 10 digit network telephone number without first dialing "9" for access to the public network.

Authorization Codes
An arrangement used to identify callers for billing purposes to assign network class of service and to control network access. Available for both voice and data in initial 100 count. Additional codes are available in counts of 25.

Station Specific Codes is an arrangement that allows up to ten Authorization Codes to be assigned for use on a specific line.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Automatic Route Selection - Deluxe
Allows for the completion of calls to a public network telephone number by automatically scanning the digits and selecting a first choice completion route when available, or a subsequent route if the first choice route is not available. Automatic Alternate Routing for tie lines provides automatic routing of calls to alternate tie line routes when the primary tie line route is in use. Routes may include Foreign Exchange lines, Foreign Central Office lines, Foreign District lines, WATS lines, Carrier access lines, the DDD network, the IDDD network, or other compatible arrangements. The delivery of digit one to an interexchange carrier is available.

The final completion route may be the public network, or at the direction of the customer, the call attempt can be routed to Expensive Route Warning Tone.

Facility Restriction Levels (FRL) are required with ARS-D and are required on each Centrex line and incoming tie line to determine both the type of call and type of facility within the privileges of the associated user.

Authorization codes allow a station user to dial a code to override the restriction level associated with the dialing Centrex line or tie line. The Centrex requests the Authorization code when the default FRL has insufficient privileges to complete the call. The Authorization code is also inspected for validity as a security check.

Time of Day routing permits the pre-programming selection of alternate routing pattern groups for off-network calls on a time of day and day of the week basis.

Automatic Alternate Routing provides automatic routing of on-network calls to alternate tie line routes when the primary tie line routes are busy.

Automatic Overflow to DDD provides completion of on-network calls via the toll network when all primary and alternate tie line routes are busy.

Deluxe queuing permits station users to be placed in queue whenever all facilities in the first choice route in a pattern for completing a particular call are already in use.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Conference Services
Six-Port Conference Service consists of a six-port conference circuit that provides for simultaneous connections up to six conferees. Six-port conference circuits can be utilized to provide the following:

Conference Linking with four Additional Ports allows multiple six-port conferences to be linked together. One port on each six-port conference circuit is used for linking. Consequently, only four ports per each additional conference circuit can be used for conferences when they are linked together.

Preset Conference allows a Centrex station line, trunk, or attendant console to establish a conference call with a maximum of 50 conferees by dialing a specific directory number. The dialing of the DN invokes a simultaneous ringing of the preselected conferees. The conferees are specified and notified in advance.

Enhanced Audio Conference
Allows users to hold a conference for 30 to 150 conferees by dialing a directory number to reach a specific conference bridge at a predetermined time.

Customized Call Diverting
Enables the customer to block or allow one or more NPA and/or NXX numbers when these numbers are dialed by selected stations within the customer group.

Do Not Disturb
An arrangement that intercepts incoming calls to a Centrex line(s) during specified periods of time when a station user(s) does not want to be disturbed. This arrangement can be provisioned for individual lines or groups of lines. This feature may be activated/deactivated via a key by the attendant or a designated station user.

High Speed Data Service
An arrangement that provides digital, full-duplex synchronous data transmission within a Centrex Service System, at speeds of 1.2 Kbps to 56 Kbps and asynchronous data transmission at speeds of 100 bps to 19.2 Kbps over a standard twisted pair loop. High Speed Data Service requires appropriately equipped customer provided equipment. This feature is available only in non ISDN equipped central offices.

Music On Hold Interface
An arrangement that allows access to Customer Provided Equipment that provides a continuous broadcast of music when a caller is placed on hold. Customer Premises Announcements are required per unique music source and are found elsewhere in this offering.

Network Speed Calling
Allows up to 1000 numbers per system to be accessed via individual lists of up to 100 numbers each.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Outgoing Deluxe Trunk Queuing
An arrangement that allows station users to have their outgoing call held in queue, by dialing a code, when the associated outgoing facilities are in use. This arrangement provides station users with "off-hook" or "on-hook" queuing for busy outgoing facilities. A queue slot is required for each call held in queue.

The following options are available for calls that are held in "off-hook" queue:

Silence on Queue provides silence when calls are held in queue. This arrangement is standard unless the customer elects Music on Queue or Recorded Announcement.

Music on Queue is an interface that provides for the connection with customer provided music equipment.

Recorded Announcement provides for one continuous repeating type announcement.

Priority Queuing station lines, equipped with this option have originating priority and their calls are loaded into queue ahead of non-priority calls. When the queue is full, priority calls route to overflow tone or to the DDD network.

Personal Call Screening
Allows a station, to whom another station's calls are being forwarded, to transfer the call back to the forwarding station, overriding the forwarding feature.

Private Facility Access Termination
Line Side Access Connections

Code Call Access permits station users and attendants to dial an access code and a called party code to activate customer provided audible and visible signaling devices.

Dial Dictation Access provides station users access to customer provided dictation recording equipment by dialing an access code.

Radio Paging Access allows stations and attendants to access customer provided and radio paging equipment located on the customer's premises by dialing a Centrex station number.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

Private Facility Access Termination (cont'd)
Trunk Side Access Connections
The following trunk side access connections are available in either analog or digital format as outlined below.

Advanced Private Line Access connects tie lines, private line facilities and access lines from switched private line services to Centrex dial switching equipment. It may also be used when compatible with and required for termination of facilities by Other Common Carriers (OCC's).

Radio Paging Access provides station users and attendants the capability to access customer provided and radio paging equipment located on the customer's premises via an access code.

Tandem Tie Line Access allows tandem connection of special service circuits dedicated to a customer group.

Tie Line Access allows connection of special service circuits dedicated to a customer group.

DS1 Connection is a termination used to connect dial type tie lines or Other Common Carrier (OCC) private communication services to a Centrex System. The termination can accommodate twenty-four channels, each dedicated to a specific service.

Other Private Facility Access Connections

Foreign Exchange (FX) provides access to/from an FX line, Foreign Central Office line, or Foreign District line. Station users have the ability to transfer a foreign exchange call.

OUTWATS Access allows a station user access to OUTWATS services dedicated to a customer group by dialing an access code.

Queue Slots
Queue slots are dedicated time slots in the central office, used to hold calls in a delayed state until a call can be further processed. A queue slot is required for each call to be held in queue.
Calls in Queue may be provided a recorded announcement or music. These optional features are specified in the Optional Features section of this offering under Announcement Services.

Remote Access Services
Allows users outside the Centrex to access the system by dialing predetermined Network Access Lines. Customers that have this optional system feature can dial into a Centrex system, without the assistance of an attendant and access the features and telecommunications facilities associated with the system.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

D. Features (cont'd)

System Features (cont'd)

(D)

(D)

Supplemental Three-Digit Dialing
Available on a Centrex system arranged for four- or five-digit intercom dialing. Three-digit dialing is provided as a means to reach an emergency station line on the same system, such as fire, police, etc.

Trunk Verification from Designated Station
An arrangement that provides audible transmission level testing for originating and terminating trunk groups or a trunk within a trunk group for trunks associated with a Centrex system by a designated station user(s).

This service arrangement is provided at the option of the Company and is furnished subject to the availability of central offices equipped and programmed to provide such service.

Uniform Call Distribution
Provides for the even distribution of incoming calls to all groups of lines arranged in a special hunting arrangement. Queuing may be provided with the addition of queue slots found elsewhere in this guidebook.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices

Description	Nonrecurring Charge	1 Month	12 Months	36 Months	60 Months	84 Months
			Monthly Payment *Term Payment Plans*			
Silver Package						
System Charge, per system						
2-6 lines	$25.00	$0.00	$0.00	$0.00	$0.00	$0.00
7-24 lines	45.00	0.00	0.00	0.00	0.00	0.00
25-49 lines	65.00	0.00	0.00	0.00	0.00	0.00
Centrex Intercom, per line						
2-6 lines	0.00	7.26	6.70	5.86	5.02	4.46
7-24 lines	0.00	6.96	6.46	5.70	4.94	4.44
25-49 lines	0.00	6.57	6.09	5.36	4.63	4.15
Gold Package						
System Charge, per system						
2-6 lines	100.00	5.00	5.00	5.00	5.00	5.00
7-24 lines	150.00	5.00	5.00	5.00	5.00	5.00
25-49 lines	250.00	5.00	5.00	5.00	5.00	5.00
50-99 lines	350.00	5.00	5.00	5.00	5.00	5.00
100-199 lines	450.00	5.00	5.00	5.00	5.00	5.00
200-499 lines	550.00	5.00	5.00	5.00	5.00	5.00
Centrex Intercom, per line						
2-6 lines	0.00	8.51	7.90	6.99	6.07	5.46
7-24 lines	0.00	8.21	7.66	6.83	5.99	5.44
25-49 lines	0.00	7.82	7.29	6.49	5.68	5.15
50-99 lines	0.00	7.52	7.00	6.22	5.43	4.91
100-199 lines	0.00	7.36	6.84	6.07	5.30	4.78
200-499 lines	0.00	7.31	6.80	6.03	5.25	4.74
Electronic Key Line, per line						
2-6 lines	10.00	11.51	10.90	9.99	9.07	8.46
7-24 lines	10.00	11.21	10.66	9.83	8.99	8.44
25-49 lines	10.00	10.82	10.29	9.49	8.68	8.15
50-99 lines	10.00	10.52	10.00	9.22	8.43	7.91
100-199 lines	10.00	10.36	9.84	9.07	8.30	7.78
200-499 lines	10.00	10.31	9.80	9.03	8.25	7.74

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Platinum Package						
System Charge, per system						
2-6 lines	$1,200.00	$150.00	$150.00	$150.00	$150.00	$150.00
7-24 lines	1,350.00	180.00	180.00	180.00	180.00	180.00
25-49 lines	1,500.00	200.00	200.00	200.00	200.00	200.00
50-99 lines	1,750.00	220.00	220.00	220.00	220.00	220.00
100-199 lines	2,000.00	240.00	240.00	240.00	240.00	240.00
200-499 lines	2,250.00	260.00	260.00	260.00	260.00	260.00
500+ lines	2,500.00	280.00	280.00	280.00	280.00	280.00
Centrex Intercom, per line						
2-6 lines	0.00	9.51	8.86	7.89	6.91	6.26
7-24 lines	0.00	9.21	8.62	7.73	6.83	6.24
25-49 lines	0.00	8.82	8.25	7.39	6.52	5.95
50-99 lines	0.00	8.52	7.96	7.12	6.27	5.71
100-199 lines	0.00	8.36	7.80	6.97	6.14	5.58
200+ lines	0.00	8.31	7.76	6.93	6.09	5.54
Electronic Key Line, per line						
2-6 lines	10.00	12.51	11.86	10.89	9.91	9.26
7-24 lines	10.00	12.21	11.62	10.73	9.83	9.24
25-49 lines	10.00	11.82	11.25	10.39	9.52	8.95
50-99 lines	10.00	11.52	10.96	10.12	9.27	8.71
100-199 lines	10.00	11.36	10.80	9.97	9.14	8.58
200+ lines	10.00	11.31	10.76	9.93	9.09	8.54

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment 1 Month	12 Months	*Term Payment Plans* 36 Months	60 Months	84 Months
Package Prices						
Voice Mail Network Support, Per Box	$ .50	$ .05	$ .05	$ .05	$ .05	$ .05
Caller ID Intercom, per system						
2-6 lines	5.00	2.00	2.00	2.00	2.00	2.00
7-24 lines	10.00	3.00	3.00	3.00	3.00	3.00
25-49 lines	20.00	5.00	5.00	5.00	5.00	5.00
50-99 lines	40.00	8.00	8.00	8.00	8.00	8.00
100-199 lines	80.00	15.00	15.00	15.00	15.00	15.00
200-499 lines	160.00	30.00	30.00	30.00	30.00	30.00
Caller ID						
(See Reference Section for location of applicable charges)						
Advanced Forward and Directory Package, per system						
Additional Call Forward Multipath Arrangement, per arrangement	50.00	5.00	5.00	5.00	5.00	5.00
Additional Network Speed Calling, per 100 number block	100.00	2.50	2.50	2.50	2.50	2.50
Call Productivity, per system						
2-6 lines	30.00	8.00	8.00	8.00	8.00	8.00
7-24 lines	50.00	12.00	12.00	12.00	12.00	12.00
25-49 lines	75.00	25.00	25.00	25.00	25.00	25.00
50-99 lines	150.00	50.00	50.00	50.00	50.00	50.00
100-199 lines	300.00	100.00	100.00	100.00	100.00	100.00
200-499 lines	650.00	200.00	200.00	200.00	200.00	200.00

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Package Prices (cont'd)						
Cost Control Options						
Authorization Codes						
Additional Codes, per block of 25	$80.00	$1.00	$1.00	$1.00	$1.00	$1.00
Station-Specific Codes, per line	2.00	1.20	1.15	1.10	1.00	.95
ARS Routing Arrangements						
Additional Patterns, per pattern	200.00	5.00	4.50	4.00	3.50	3.00
IDDD Dialing, per system	650.00	20.00	20.00	20.00	20.00	20.00
7-10 Digit Screening, per translation	350.00	0.00	0.00	0.00	0.00	0.00
Time of Day Routing, per schedule	150.00	10.00	9.75	9.50	9.00	8.50
Digit One Delivery	300.00	0.00	0.00	0.00	0.00	0.00
ARS Changes						
Rearrangement, per occasion	200.00	0.00	0.00	0.00	0.00	0.00
Additional Time of Day Patterns, per arrangement	100.00	0.00	0.00	0.00	0.00	0.00
Additional Remote Access Arrangements, per arrangement	300.00	20.00	20.00	20.00	20.00	20.00

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

		Monthly Payment *Term Payment Plans*				
Description	Nonrecurring Charge	1 Month	12 Months	36 Months	60 Months	84 Months
Package Prices (cont'd)						
6-Port Audio Conference, per 6-port facility	$50.00	$40.00	$40.00	$40.00	$40.00	$40.00
30-Port Audio Conference, Per 30-port facility	200.00	150.00	150.00	150.00	150.00	150.00
Audio Conference Options						
Conference Linking with 4 Additional Ports, Per arrangement	65.00	40.00	40.00	40.00	40.00	40.00
Conference Preset, Per group	400.00	25.00	25.00	25.00	25.00	25.00
Privacy Release Conference Control, Per system equipped	25.00	20.00	20.00	20.00	20.00	20.00

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Package Prices (cont'd)						
Area Wide Networking, per system						
Nonrecurring Charge						
1-200 lines	$700.00	$0.00	$0.00	$0.00	$0.00	$0.00
201-500 lines	1,000.00	0.00	0.00	0.00	0.00	0.00
Additional 500 line block	800.00	0.00	0.00	0.00	0.00	0.00
Out of Network numbers,						
Up to 10 numbers	30.00	0.00	0.00	0.00	0.00	0.00
per 50 number block	30.00	0.00	0.00	0.00	0.00	0.00
Numbers input by the Company,						
Up to 10 numbers	75.00	0.00	0.00	0.00	0.00	0.00
per 50 number block	300.00	0.00	0.00	0.00	0.00	0.00
Recurring Charge, per line	0.00	1.00	1.00	1.00	1.00	1.00
Out of Network Numbers,						
Up to 10 numbers	0.00	1.00	1.00	1.00	1.00	1.00
per 50 number block	0.00	2.50	2.50	2.50	2.50	2.50

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Package Prices (cont'd)

Ameritech Virtual Network within Market Service Area 1 (MSA 1)

The following equation based on CCS and distance is used to determine the applicable monthly charge. The number of lines located 0 to 15 miles and 15 or more miles from the Hub location are used in the equation.

(Total lines within 0 to 15 miles) ($CCS) / (Total lines in Network) +
(Total lines beyond 15 miles) ($CCS) / (Total lines in Network) + $1.00 = Price per line per month
(Rounded to the nearest multiple of $.05)

CCS Values

CCS	0-15 Miles	15+ Miles
Max. 2.5	$2.20	$5.40
Max. 3.5	$3.30	$8.10
Max. 4.5	$4.40	$10.80
Max. 5.5	$5.50	$13.50
Max. 8.0	$7.70	$18.90

The Company reserves the right to reassess the pricing of the customer's network if the negotiated CCS is exceeded.

The following discount table is used for networks over 1,500 lines and is based on the contract length of the hub locations.

Line Size	3 Year	5 Year	7 Year
1,500-3,999	10%	15%	20%
4,000-5,999	15%	20%	25%
6,000-7,999	20%	25%	30%
8,000 above	25%	30%	35%

Apply Area Wide Networking Nonrecurring Per System charge as found elsewhere in this pricing section.

For Optional Out of Network numbers, apply the appropriate charges located under the Area Wide Networking feature found elsewhere in this pricing section.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Package Prices (cont'd)						
Electronic Key Line						
Electronic Key Line Optional Features						
Calling Name Display on Intercom, per line	$5.00	$ .25	$ .25	$ .25	$ .25	$ .25
DSS/BLF with Fast Transfer and Camp On, per line	100.00	9.00	9.00	9.00	9.00	9.00
Executive Display Communications, per line	0.00	.50	.50	.50	.50	.50
Multiple Appearance Directory-Number-MCA, per appearance	5.00	.25	.25	.25	.25	.25
Query Busy Station, per queued station	7.50	1.50	1.50	1.50	1.50	1.50
Secondary Directory Number, per line	0.00	.25	.25	.25	.25	.25
Per 10 or 18 Button Add-On Module, per module	175.00	0.00	0.00	0.00	0.00	0.00
Per 20 or 36 Button Add-On Module, per module	175.00	0.00	0.00	0.00	0.00	0.00

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Optional Features Available with Gold and Platinum						
Ameritech Centrex Message Signal I/F, per system	$975.00	$150.00	$147.00	$144.00	$140.00	$135.00
Announcement Services						
Customer Premises Announcements, per link/1/	185.00	18.00	17.50	17.00	16.00	15.00
CO Recorded Announcement, per Announcement	180.00	40.00	39.00	37.00	34.00	30.00
Assume Dial 9, per line	5.00	3.25	3.25	3.25	3.25	3.25
Call Request with Queue,						
per line,	0.00	1.00	1.00	1.00	1.00	1.00
per system	95.00	0.00	0.00	0.00	0.00	0.00
Direct Connect Originating, per line	0.00	1.00	1.00	1.00	1.00	1.00
Do Not Disturb,						
per line,	5.00	2.00	2.00	2.00	2.00	2.00
per group of lines	50.00	4.00	4.00	4.00	4.00	4.00
High Speed Data Service, per line	419.00	12.00	11.00	10.00	9.50	9.50
Make Busy Access Code, per line	0.00	4.95	4.95	4.95	4.95	4.95
Music On Hold Interface, per interface	200.00	14.00	14.00	14.00	14.00	14.00

/1/ Requires a telecommunications channel.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months	
Optional Features Available with Gold and Platinum (cont'd)							
Outgoing Deluxe Trunk Queuing per termination	$200.00	$8.00	$7.55	$7.25	$7.00	$6.80	
Queue Slots, per slot	10.00	1.00	1.00	1.00	1.00	1.00	
Private Facility Access Termination (Line Side) (Line Side Access Connections are available at the rates shown for Centrex lines.)							
Private Facility Access Termination (Trunk Side) Per arrangement,							
Analog 2-Wire Termination	75.00	25.00	25.00	25.00	25.00	25.00	
Analog 4-Wire Termination	75.00	25.00	25.00	25.00	25.00	25.00	
DS1 Connection	1,500.00	350.00	325.00	300.00	285.00	270.00	
							(D)
Speed Call-Long, per arrangement	0.00	.40	.40	.40	.40	.40	
Speed Calling-Expanded Number Group, per arrangement	0.00	.60	.60	.60	.60	.60	
Stop Hunt Key, per line/1/	0.00	4.95	4.95	4.95	4.95	4.95	(C)
Supplemental 3-Digit Dialing Service							
per system,	125.00	0.00	0.00	0.00	0.00	0.00	
per 3-digit code	60.00	0.00	0.00	0.00	0.00	0.00	
Trunk Verification from Designated Station per system	50.00	10.00	10.00	10.00	10.00	10.00	
Uniform Call Distribution with Queuing							
per UCD group,	175.00	6.50	6.50	6.50	6.50	6.50	
per line,	5.00	3.00	3.00	3.00	3.00	3.00	
per EKL line	5.00	3.50	3.50	3.50	3.50	3.50	

(D)

/1/ May require a telecommunication channel, depending on the switch type. (C)

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Description	Nonrecurring Charge	Monthly Payment *Term Payment Plans* 1 Month	12 Months	36 Months	60 Months	84 Months
Subsequent Change Charges						
Station line feature changes per line, per occasion	$16.00	$0.00	$0.00	$0.00	$0.00	$0.00
System feature changes per occurrence	50.00	0.00	0.00	0.00	0.00	0.00
Customization charge						
Change of central office circuitry/1/						
Change or rearrange Centrex software translations/1/						
Centrex Mate changes, Discontinue or reestablish line features, per occasion	22.00					
Password change, per change	10.00					
Training Charges						
Station User, per Telco person, per hour	135.00	0.00	0.00	0.00	0.00	0.00
Centrex Mate, Per Telco person, per hour	135.00	0.00	0.00	0.00	0.00	0.00

/1/ Charges based on cost.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Other Charges

1. Touch-Tone service used with Ameritech Business Solutions Centrex is provided pursuant to Part 7, Section 5 for the outward portion (50%) of STF determined to be network access in accordance with Part 4, Section 2. Other Touch-Tone service is provided as a basic feature of Ameritech Business Solutions Centrex and is included in the rates specified in this paragraph E.

2. Caller ID used with Ameritech Business Solutions Centrex is provided pursuant to Part 7, Section 2. The portion of STF determined to be network access is in accordance with Part 4, Section 2.

3. Ameritech Business Solutions Centrex lines are subject to an End User Common Line Charge (EUCL) as filed for the State of Illinois by the Ameritech Operating Companies in F.C.C. No. 2. The customer will be responsible for all increases and decreases in the EUCL charge, as authorized by the Federal Communications Commission. The monthly EUCL rate will be assessed on a per line basis. Appropriate offsetting adjustments will be made to the customer's Centrex billing to reflect only the amount of any such increases or decreases attributable to the network access portion of STF determined in accordance with Part 4, Section 2.

4. Some services are not included in Ameritech Business Solutions Centrex payment plans, as described in this paragraph E., unless a payment plan is specified for that service in the applicable provisions of Part 2, Section 3.

5. Telephone numbers used or reserved with Ameritech Business Solutions Centrex are provided pursuant to Part 6, Section 1.

6. Mileage charges apply as described in Part 20, Section 5, under Centrex Service, paragraph D. *Mileage Charges*.

References:

Service	Reference
Local Service Area	Part 4, Section 2
Mileage Charges	Part 20, Section 5
Caller ID	Part 7, Section 9

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Payment Plans

Month to Month
Ameritech Business Solutions Centrex is offered under a Month-to-Month Payment Plan. The provision of Ameritech Business Solutions Centrex under the Month-to-Month Payment Plan is dependent on the availability and capacity of central office facilities. Month-to-Month prices will be subject to Company-initiated price adjustments.

Term Payment Plans
Ameritech Business Solutions Centrex is offered under contracted Term Payment Plans (TPP) which require customers to pay a fixed charge for equipment and service over selected payment periods. A different monthly charge applies for the duration of each period. The same payment plan must apply to all intercommunication lines and features.

The minimum period is one month, unless otherwise specified. Contract Plans are available for 12-, 36-, 60- or 84-month payment periods. During the effective term of a customer payment period, the monthly price is not subject to Company initiated changes for payment periods longer than one month.

Services covered by a Contract Plan include:
- Centrex lines and optional features
- System Features

Local Exchange Access is not covered by the Contract Plan.

Additions
Customers can add additional lines and/or features to the existing Centrex service anytime during the contract period. All additions of Centrex lines will be added at the existing contracted prices. All additions of system features will be added at the current price for the contract period. All additions to the Centrex service will be coterminous with the original contract.

Upon growth to another Line Commitment, the customer may select a contract period that is equal to or greater than the remaining life of the existing contract. At that time, the customer will become liable for the then current monthly price for the new Line Commitment. These prices will not be subject to Ameritech initiated increases for the duration of the new contract period. If the customer chooses not to select a new contract period for a larger Line Commitment, the monthly price for the additional lines will be the price appropriate to the existing Line Commitment contract plan.

Contract Options
Prior to the completion of an Ameritech Business Solutions Centrex contract plan, a customer may enter into a new Ameritech Business Solutions Centrex contract plan for a period equal to, or greater than, the terms of the original contract plan at the prices currently in effect at the time. The customer will begin paying the new contract price on the day of signing the new contract plan.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Payment Plans (cont'd)

Deferred Payment Option (DPO)
The Initial Nonrecurring Charges associated with Centrex service may be paid in full with the first bill after cutover to the system and Nonrecurring Charges for subsequent service additions may be paid in full with the first bill after the subsequent activity; or, either may be financed under the provisions of the following plan:

Payment of the following nonrecurring charges may be deferred, subject to conditions outlined herein. The deferral period must be equal to or shorter than the customer's chosen Contract Plan.
- All Nonrecurring Charges, Service Charges
- Installation Charges
- System Charge

The total amount of the eligible nonrecurring charges may be deferred, with a minimum of $200.00 per customer agreement, for the initial establishment of service or subsequent additions.

The interest rate to be charged on deferred payment of nonrecurring charges will be determined by the Company at the time of execution of the deferred payment plan agreements and is not subject to change during the term of the deferred payment plan. The interest rate will be determined by the Company using a factor typically equivalent to the Company's Long Term Cost of Capital. However, in no case will the interest rate exceed the maximum interest rate allowed by law.

If, in the judgment of the Company, the maximum interest rate allowed by law is insufficient to cover the costs of providing the deferred payment option on new agreements, the Company may suspend the offering of new deferred payment agreements until the costs can be recovered through the application of a lawful interest rate.

The deferred payment of nonrecurring charges including calculated interest will be prorated on a monthly basis over the selected deferral period.

Deferred charges must be paid in full at the option of the Company when the customer:
- Converts the system on which charges were deferred.
- Discontinues service prior to expiration of the selected deferral period.
- Fails to pay any charge applicable to the service within 30 days of its due date.

The customer may prepay all or part of the total outstanding deferred charges during the selected deferral period and will be given a credit for the amount of unearned interest.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Payment Plans (cont'd)

Termination Charges

No Termination liability conditions are:

A customer may move their location within the same Central Office serving area or to another Central Office serving area without Termination Liability if the conditions specified under C. Termination without Liability are met.

The move is between wire centers and both wire centers are served by Company switches. The customer must maintain or exceed their original quantity of line after completing of the move. Also, the customer is required to sign a new contract for a period of time equal to or greater than the time remaining in the existing contract, with a minimal 3 year contract required. The customer is responsible for all applicable nonrecurring installation charges (including line connection, service order and system establishment) for Ameritech Business Solutions Centrex at their new primary location.

Termination Liability

Renewal

Upon expiration of the contracted payment period, service will be converted to the monthly prices for the then current Centrex service.

Under Utilization and Early Termination Charges

Early Termination charges apply in the event the customer cancels this agreement prior to expiration without satisfying the conditions for Termination without Liability.

a. Early Termination Charges for Terminations with Liability

If a customer terminates service prior to the expiration of this agreement or prior to the expiration of any renewal period, in addition to any unpaid Special Construction or nonrecurring charges (excluding any waived charges), the customer will be required to pay 25% of the Line Commitment revenue amount for each month remaining on the unexpired term agreement.

b. Under Utilization Charges

Each month the customer is responsible for the greater of: (1) monthly line charges for the Line Commitment quantity under contract, or (2) monthly line charges for actual number of lines in use.

c. Termination without Liability

A customer may terminate this agreement without liability upon the expiration date by providing written notice to the Company, which must be received 30 days prior to the agreement expiration date. A customer may discontinue this agreement without liability upon signing a new agreement and meeting two conditions: (1) customer commits to a new agreement with a Line Commitment equal to or greater than the existing agreement and, (2) customer commits to a new term commitment equal to or greater than the term commitment of the existing agreement.

AMERITECH BUSINESS SOLUTIONS CENTREX (cont'd)

E. Prices (cont'd)

Payment Plans (cont'd)

Termination Charges

Termination Liability (cont'd)

Assumption of Existing Contract
The customer shall not assign or otherwise transfer its rights or obligations under any Centrex arrangement provided under this guidebook without prior written consent of Ameritech. Such consent will not be unreasonably withheld or delayed. Any provisions to the contrary found elsewhere in any guidebook are superceded.

Conversion from existing Ameritech Term Agreement
A new Ameritech Business Solutions Centrex Agreement will cause an existing Centrex Agreement or an Ameritech Business Solutions Centrex Agreement to terminate automatically on the date of the new agreement without incurring Early Termination Charges as long as conditions in c. above are met.

Limitation of Liability
The liability, if any, of Ameritech for damages to the customer or to any third party, whether in negligence, tort, contract or otherwise, including but not limited to damages for nonperformance or performance failure of the service provided under an Ameritech Business Solutions Agreement, is limited to an amount equal to a pro rata adjustment of applicable recurring charges for the service or any portion of the service.