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f6230

NYNEX

February 15, 1989

Gerald Brock, Chief
Common Carrier Bureau
Federal Communications Commission
1919 M Street, N.W.
Washington, D. C. 20554

RE: Informational Amendments To NYNEX Telephone
Companies' Comparably Efficient Interconnection
(CEI) Plan For Voice Messaging Services (VMS)

Dear Mr. Brock:

New England Telephone and Telegraph Company and New York Telephone Company (the NYNEX Telephone Companies or NTCs) submit this filing as required by your Memorandum Opinion And Order released January 12, 1989 (DA 88-2059), in the above-referenced matter. That Order¹ approved the NTCs' CEI Plan for VMS as fulfilling the Commission's CEI parameters and nonstructural safeguards, on condition that the NTCs submit informational amendments relative to several items. This filing provides the information you have requested.

First, you have requested us to provide further details on the technical characteristics of and deployment schedule for Trunk Side Access.² For technical reasons independent of the Bureau's Order, we do not plan to utilize Trunk Side Access (hereinafter, "Circuit Switched Trunk" or "CST") Service in our initial VMS offering under the CEI Plan. Accordingly, technical descriptions of CST should not affect

1 Hereinafter, "NYNEX VMS CEI Order" or "Order".

2 NYNEX VMS CEI Order, para. 11.

approval of the instant CEI Plan. However, CST is one of a number of new basic services presented in the NTCs' Open Network Architecture (ONA) Plan pursuant to CC Docket No. 88-2, Phase I. The NTCs will continue their vigorous efforts to develop and plan the deployment of these services, including CST. CST should be ready for introduction by late 1989. In this regard, attached is an updated technical description of CST (Attachment 1).³ As stated in the NTCs' VMS CEI Plan,⁴ and recognized by the Bureau,⁵ the NTCs' VMS will not use any basic service such as CST until that service is made available to other Enhanced Service Providers (ESPs).

Second, as required in the Bureau's Order at para. 21, the NTCs hereby clarify that a reasonable testing period for CEI services, prior to their deployment, will be available for competing providers of VMS services.⁶ Simplified Message Desk Interface (SMDI) is a CEI basic service that will be utilized by VMS. SMDI is currently available under tariff to New York Telephone Centrex and exchange line customers served by No. 1A ESS central offices.⁷ New York Telephone will shortly provide further notice to ESPs that they may obtain SMDI in this way, under present tariffs, for testing purposes. SMDI is available to New England Telephone Centrex customers on a Special Assembly basis. In addition, both NTCs will make SMDI available to all ESPs, under new tariffs to be filed, at least thirty days prior to deployment of the NTCs' VMS. All ESPs will be notified in advance of these testing periods.

The NTCs' VMS will use Call Forward/Busy Line/Don't Answer (CFBL/DA) as a Complementary Network Service (CNS). VMS

3 Additional technical information and deployment schedules will be provided as they become available. Furthermore, this information will appear as part of the NTCs' ONA Plan amendments to be filed by May 19, 1989.

4 Filed June 21, 1988, p. 11.

5 NYNEX VMS CEI Order, para. 11.

6 In Paragraph 21 of the Order the Bureau states that "NYNEX apparently intends to limit CEI availability to those locations where its VMS will be deployed." The NTCs would like to clarify that CEI availability will not be limited to those areas in which their VMS will be deployed. Consistent with their ONA Plan, the NTCs intend to deploy CEI services wherever they are technically feasible and market demand exists. Pursuant to para. 21 of the Order, the NTCs hereby amend their Plan to include the Albany LATA as a VMS and CEI deployment area.

7 Stutter dial tone may be obtained under Special Assembly.

ESPs or their end users will be able to subscribe to CFBL/DA as a capability applied to the end user's access link. We will provide ESPs an advance testing period of at least 30 days for CFBL/DA.⁸

As previously discussed, CST is currently in a developmental stage, and will not be utilized by the NYNEX Telephone Companies' VMS under this CEI Plan. In any event, we have previously committed to providing a 90-day advance period for CST to allow testing by ESPs.⁹

Third, the Bureau has directed that, to the extent the NYNEX Telephone Companies will be offering previously untariffed services such as CFBL/DA, SMDI and CST, the NYNEX Telephone Companies must file sample tariffs for these services.¹⁰ Attached are preliminary sample tariffs for CFBL/DA and SMDI (Attachment 2). Some changes in the content or format of these sample tariffs may be made prior to actual filing. As noted, CST will not be used in the provision of VMS under the present CEI Plan, and sample tariffs are not yet available. CST tariffs will be filed with this Commission as well as state commissions when the service is ready for introduction.

Fourth, as directed by the Bureau in para. 39 of the Order, the NYNEX Telephone Companies will comply with the Customer Proprietary Network Information (CPNI) requirements of the BOC ONA Order¹¹ when those requirements become effective. Those requirements will become effective upon approval by the FCC of the NTCs' ONA Plan amendments to be filed by May 19, 1989. Furthermore, pursuant to para. 39 of the Bureau's Order, the NTCs commit that they will not use CPNI to identify particular customers of existing VMS competitors for "targeted" marketing efforts. In our ONA Reply Comments filed May 31, 1988 (Part X, p. 92), we have already committed that we will not "develop aggregate lists of customers by vendor for use by [our] enhanced services sales operations".

8 It is noteworthy that Call Forward Variable has been a tariff offering of the NTCs. Also, Call Forward-Busy and Call Forward-Don't Answer have been available as Centrex features under the NTCs' tariffs. Thus, ESPs have been able to obtain these tariff offerings for testing purposes.

9 NTCs' ONA Plan, p. 77.

10 NYNEX VMS CEI Order, para. 29.

11 Filing And Review Of ONA Plans, Memorandum Opinion And Order, FCC 88-381 (released December 22, 1988).

Fifth, the Bureau has requested the NYNEX Telephone Companies to clarify how they will offer Billing and Collection (B&C) services in connection with VMS.¹² VMS will be billed as a subscription service, on a flat rate per month basis, and separately identified as a line item on the existing telephone bill. The costs of B&C will be allocated pursuant to the FCC's Part 64 Rules. Finally, as required in the BOC ONA Order, and as mentioned in the NYNEX VMS CEI Order (para. 52), we will amend our ONA Plan on or before May 19, 1989 to describe the services the NTCs will offer to give ESPs information that is useful in bill preparation.

* * * *

In conclusion, the Commission should accept the above informational amendments to the NYNEX Telephone Companies' Comparably Efficient Interconnection Plan for Voice Messaging Services.

Sincerely,



Attachments

¹² NYNEX VMS CEI Order, para. 52.

CIRCUIT SWITCHED TRUNK BASIC SERVING ARRANGEMENT

TECHNICAL DESCRIPTION

A Circuit Switched Trunk Basic Serving Arrangement (CST BSA) provides for a two-point electrical communications path between Customer Provided Equipment (CPE) located on an ESP's premises and the trunk side of a suitably equipped electronic circuit switch at the ESP's normal Serving Wire Center (SWC). When an ESP requests a CST BSA from a suitably equipped electronic circuit switch not located in its normal SWC, the NYNEX Telephone Company will extend the connection to the requested circuit switch in the appropriate SWC through the provision of compatible interoffice facilities. Alternately, a CST-BSA may be provided at a suitably equipped access tandem switch by ordering an optional Tandem Routing Basic Service Element (BSE). This BSE permits the aggregation of calls from subtending circuit switches for connection to an ESP's premises.

In either case, the CST-BSA is comprised of two basic network components. The first is a two wire or four wire physical access link suitable for the transmission of analog voiceband communications. This component connects the ESP's customer premises to the telephone company end office circuit switch or tandem circuit switch. The second component is the trunk termination replete with those supporting features and functions which are essential to provide a communications path. These features include: reverse battery supervisory signalling; MF address signalling; wink-start start-pulse signalling; and answer and disconnect supervisory signalling.

The CST BSA provides the utility necessary for an ESP to receive calls from all end users served by line side connections on the same circuit switch to which the ESP is connected. If the ESP has arranged for a Tandem Routing BSE, then all subscribers served by suitably equipped end office switches subtending the tandem may reach the ESP. The NYNEX Telephone Company will provide a unique seven or ten digit telephone number in the North American Numbering Plan format (i.e., NXX-XXXX or [NPA]-NXX-XXXX), for use by the end users in accessing the ESP. The number provided will be the same for any end user circuit switch in the NYNEX serving area from which the CST BSA may be accessed.

CIRCUIT SWITCHED TRUNK BASIC SERVING ARRANGEMENT CONT'D

BSA GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA). November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
CST BSA	NO	NO	YES	YES	YES	YES

Note: Due to technical limitations, the DMS200 and 4ESS BSAs are only available with the tandem BSE.

TRUNK GROUP MAKE BUSY BASIC SERVICE ELEMENT

TECHNICAL DESCRIPTION

Trunk Group Make Busy is a Basic Service Element (BSE) which may be ordered by an Enhanced Service Provider (ESP) for use in conjunction with that ESP's Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

This BSE allows the ESP to enable or disable an indication to the network that all circuits in that CST BSA group should be considered "busy" and subsequent calls should not be allowed to terminate on that group. The network will redirect subsequent calls either to an appropriate tone or announcement or, if the ESP has also ordered an Alternate Routing BSE for use with that BSA group, the network will redirect subsequent calls to an alternate CST BSA served by that switch as previously specified by the ESP. The combined effect of the operation of both these BSEs allows the ESP to enjoy a "night transfer" functionality associated with the BSA group.

BSE GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA) with the Trunk Group Make Busy BSE. November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
Trunk Group Make Busy	N/A	N/A	YES	YES	YES	NO

ALTERNATE ROUTING BASIC SERVICE ELEMENT

TECHNICAL DESCRIPTION

Alternate Routing is a Basic Service Element (BSE) which may be ordered by an Enhanced Service Provider (ESP) for use in conjunction with that ESP's Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

When all the circuits in an ESP's CST BSA group with the Alternate Routing BSE group are busy due to traffic volume or due to the ESP activating a Trunk Group Make Busy BSE, the network will attempt to complete subsequent calls to an alternate CST BSA served by that switch as previously specified by the ESP.

BSE GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA) with the Alternate Routing BSE. November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
Alternate Routing	N/A	N/A	YES	YES	YES	YES

TANDEM ROUTING BASIC SERVICE ELEMENT

TECHNICAL DESCRIPTION

Tandem Routing is a Basic Service Element (BSE) which may be ordered by an Enhanced Service Provider (ESP) for use in conjunction with that ESP's Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

This BSE allows the ESP's BSA, which interconnects with the network at a single point (i.e. a serving tandem), to be accessed by customers in the end offices which subtend that tandem. This capability may be used in conjunction with other CST BSAs to selected end offices to allow an ESP to carve "custom service areas" out of a LATA.

BSE GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA) with the Tandem Routing BSE. November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
Tandem Routing	N/A	N/A	NO	NO	YES	YES

CIRCUIT SWITCHED TRUNK WITH T-1 TRANSPORT

BASIC SERVICE ELEMENT

TECHNICAL DESCRIPTION

Circuit Switched Trunk with T-1 Transport is a Basic Service Element (BSE) which may be ordered by an Enhanced Service Provider (ESP) for use in conjunction with that ESP's Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

This BSE provides the ESP with a digital 1.544 Mbps facility at their premises. That facility has the potential to provide for 24 CST BSAs on a single T-1 access link. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps rate with the capability to channelize 24 voice frequency transmission paths. When the CST BSA group utilizes analog terminations, either in analog or in digital switching systems, the Telephone Company will provide multiplex and/or channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When the CST BSA uses digital terminations, either in analog or digital switching systems, the Telephone Company will provide a DS1 signal in D3/D4 format. All service will be provided with individual transmission path bit stream supervisory signalling

All Circuit Switch BSAs on the individual DS1 facilities must be uniform in that they must terminate in the same suitably equipped circuit switch. All of the individual 24 Circuit Switch BSAs must be of the same type (e.g. CST BSAs).

BSE GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA) with the Circuit Switched Trunk with T-1 Transport BSE. November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
CST with T-1 Transport	N/A	N/A	YES	YES	YES	YES

SINGLE NUMBER ACCESS FOR MULTIPLE LOCATIONS

For a description of this capability see the Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

EXCHANGE CARRIER BILLING FOR ESPs ANCILLARY SERVICE

Billing and Collection service will be provided as an optional ancillary service in conjunction with the Circuit Switched Trunk Basic Serving Arrangement.

AUTOMATIC NUMBER IDENTIFICATION BASIC SERVICE ELEMENTTECHNICAL DESCRIPTION

Automatic Number Identification (ANI) is a Basic Service Element (BSE) which may be ordered by an Enhanced Service Provider (ESP) for use in conjunction with that ESP's Circuit Switched Trunk Basic Serving Arrangement (CST BSA).

This BSE allows the ESP to receive the billing number of the party who originated the call to the ESP's CST BSA with the signalling information that is transmitted to the ESP during call setup. This signalling information will be transmitted using either a Feature Group B-like protocol or a Feature Group D-like protocol.

BSE GENERIC AVAILABILITY

The following table describes the November 1989 availability of present or planned network capabilities which will support a Circuit Switched Trunk Basic Serving Arrangement (CST BSA) with the ANI BSE. November 1989 availability status is shown for each of the major SPC switching technologies currently in use or being deployed in the NYNEX network:

<u>APPLICATION</u>	<u>1ESS</u>	<u>1AESS</u>	<u>5ESS</u>	<u>DMS100</u>	<u>DMS200</u>	<u>4ESS</u>
ANI	N/A	N/A	YES	YES	YES	YES

NEW ENGLAND TELEPHONECALL FORWARDING II SERVICES

PRELIMINARY

GENERAL

- A. Custom Calling Services are available to one-party residence or business customers serviced by suitably-equipped central offices to the extent that existing facilities are available.
- B. One or more Custom Calling Services may be offered for a 14-day demonstration period. The period begins the day following the date on which the service is established. In the event that the fourteenth day of the demonstration period is a Saturday, Sunday or holiday, the demonstration period is extended through the next regular business day. If during the demonstration period, the customer requests that all Custom Calling Services be discontinued, neither the monthly rates nor the Section 3, Element 1 Service Charge apply. If the customer retains one or more of the services beyond the 14-day demonstration period, the monthly rate for each service retained applies from the date the service was initially established. One 14-day demonstration period is offered per service per customer.

DESCRIPTION

Call Forwarding II* - Provides for the automatic routing of incoming calls to a preselected telephone number when the called telephone number is busy and/or does not answer within a predetermined number of rings. The following Call Forwarding II options are available:

1. Call Forwarding - Busy Line
2. Call Forwarding - Does Not Answer
3. Call Forwarding - Busy Line/Does Not Answer

Call Forwarding-busy line or call forwarding-busy line/does not answer is not provided on a line equipped with call waiting Customer Calling Service. When Call Forwarding II Custom Calling Service is provisioned in a 1A ESS central office the preselected forwarded to telephone number must be within the same central office.

*No assurance can be given that transmission will be fully satisfactory during Call Forwarding Service calls.

PRELIMINARY

RATES AND CHARGES

The Section 3, Element 1 Service Charge applies if a Custom Calling Service is the only service being provided. It does not apply if a Custom Calling Service is provided at the same time as another service for which an Element 1 Service Charge applies.

		<u>Monthly Rates</u>		
		<u>Residence</u>	<u>Business</u>	<u>USOC</u>
Call Forwarding II Service##				
1.	Call Forwarding - Busy Line each line equipped	\$ X.XX	\$ X.XX	(U)
2.	Call Forwarding - Does Not Answer	X.XX	X.XX	(U)
3.	Call Forwarding - Busy Line/ Does Not Answer, each line equipped	X.XX	X.XX	(U)

When a call is forwarded to a telephone number served by a different central office, an additional charge may apply. This charge is determined in accordance with the class of service furnished to the customer.

NEW YORK TELEPHONECALL FORWARDING II SERVICES

PRELIMINARY

GENERAL

Custom Calling Services are furnished on individual and auxiliary lines served from central offices which are equipped for Custom Calling Services.

Call Forwarding Services, which are currently available to Centrex customers, will now be offered to the non-Centrex Residence and Business markets as new additions to the family of Custom Calling Services under the heading of Call Forwarding II Services. The three additions will consist of Call Forwarding Busy Line; Call Forwarding Don't Answer; and a combination of Call Forwarding Busy Line and Don't Answer.

DESCRIPTION OF CALL FORWARDING II SERVICE FEATURESCall Forwarding Busy Line

Allows an incoming call to the customer's line to be automatically forwarded to a preselected telephone number when the line is busy.

Call Forwarding Don't Answer

Allows an incoming call to the customer's line to be automatically forwarded to a preselected telephone number when the line is unanswered after a predetermined number of rings (up to 9 rings can be selected).

Call Forwarding Busy Line and/Don't Answer

Provides the customer with forwarding capability for both busy and don't answer conditions. The forwarded-to number for the don't answer condition can be different from the forwarded-to number for the busy line condition.

REGULATIONS

1. All regulations pertaining to current Residence and Business Custom Calling Services apply to the new Call Forwarding II additions.
2. These services are furnished on Residence and Business individual and auxiliary lines served from Central Offices equipped for Call Forwarding II additions, subject to the availability of facilities.
3. A line can have either one or both of the CFBL/DA features.
4. The resale of Call Forwarding II Services must comply with the regulations that apply to the resale and sharing of service.

PRELIMINARY

5. Call Forwarding Busy Line -- a service order is required to change the preselected telephone number to which calls are forwarded.
6. Call Forwarding Don't Answer -- a service order is required each time the customer chooses to change the Variable Ring (Count) and/or the forwarded to telephone number.
7. Call Forwarding Busy Line and/Don't Answer -- a service order is required each time the preselected telephone number and/or Variable Ring (Count) is changed.
8. Call Forwarding Busy Line and/Don't Answer -- served out of the DMS-100 and 5ESS is provided with both intra and interoffice capability.
9. Call Forwarding II flexible pricing regulations:
 - a. Call Forwarding II rates currently in effect are listed in the attachment following all pages of this section.
 - b. Call Forwarding II rates may be reduced to not less than minimum rates.
 - c. Call Forwarding II rates may be increased not to exceed maximum rates.
 - d. The Telephone Company reserves the right to change the rates as described in b. and c. preceding, at any time upon 10 days notice to the Public Service Commission by filing a revised Attachment.

The Telephone Company will provide Call Forwarding II customers with 10 days notice of rate changes.
 - e. A rate will not be changed unless it has been in effect for at least 30 days.

LIMITATIONS

1. Call Forwarding Busy Line and/Don't Answer -- served out of the 1/1AESS can only be provided with intra-switch capabilities. This means that the customer and the telephone number to which the calls are forwarded must be in the same switch.
2. Variable Ring (Count) of Call Forwarding Don't Answer -- served out of the 1/1AESS, DMS-100 and 5ESS will be provided based on a specific number of rings and the equivalent timing of the ringing cycle in seconds. Because ringing cycles are dependent upon the timing mechanism in the switch, there may be instances when an additional ring may be encountered during the ringing cycle.

PRELIMINARY

3. Call Forwarding II Service features -- when a customer with more than one central office line grouped for incoming service group (ISG), has the Call Forwarding II Service features in effect on a line in the series, a calling party will receive a busy signal if the number to which calls are being transferred is busy. The call will not be completed to the next available line in the ISG series, i.e., the customer cannot deactivate the Call Forwarding II feature(s) at his/her discretion.
4. Calls cannot be transferred to an International Direct Distance Dialing number.
5. Transmission may not be satisfactory on all Call Forwarding II Service connections.
6. Call Forwarding Busy Line or the combination of Call Forwarding Busy Line and Don't Answer cannot be provisioned on a line equipped for Call Waiting. Call Forwarding Don't Answer on a stand-alone basis can work with Call Waiting.
7. Call Forwarding (Variable) takes precedence over all Call Forwarding II Service features when Call Forwarding (Variable) is activated.

RATES AND CHARGES

The following rates apply per line in addition to Service Charges as specified in Section 14 of the PSC, NY - 900 Tariff.

In addition to the monthly rates and applicable Service Charges, the Call Forwarding II Service customer served out of the 5ESS and DMS100 is responsible for the payment of the tariff rate for a station-to-station call between the Call Forwarding II Service equipped telephone and the telephone at which the call is answered. The charge applies to each call answered including person-to-person and, collect calls which are refused at the answering telephone. Customers served out of 1AESS switches will be charged an additional rate per month in lieu of the additional station to station rates mentioned above.

RATES

Residence

	<u>Monthly Rate</u>		<u>Non Recurring</u>
	<u>Minimum</u>	<u>Maximum</u>	
• Call Forwarding Busy Line	\$ X.XX	\$ X.XX	XX.XX
• Call Forwarding Don't Answer	X.XX	X.XX	XX.XX
• Call Forwarding Busy Line/ Don't Answer	X.XX	X.XX	XX.XX

Business

	<u>Monthly Rate</u>		<u>Non Recurring</u>
	<u>Minimum</u>	<u>Maximum</u>	
• Call Forwarding Busy Line	\$ X.XX	\$ X.XX	XX.XX
• Call Forwarding Don't Answer	X.XX	X.XX	XX.XX
• Call Forwarding Busy Line/ Don't Answer	XX.XX	XX.XX	XX.XX

NEW YORK TELEPHONE/NEW ENGLAND TELEPHONESIMPLIFIED MESSAGE DESK INTERFACE

PRELIMINARY

GENERAL

Simplified Message Desk Interface Service (SMDI) provides for the answering of a client's (End User) telephone line at a Customer's message desk service center. The message desk service center must subscribe to Intellipath, Intellipath II, Centrex or business main telephone exchange service lines equipped with line hunting, central office automatic message link equipment and a data link between the serving central office and the customer's premises. This permits the customer's clients whose lines must be equipped with call forwarding to have their messages directed to the message desk service center. The message desk service center receives the following information:

- the called number, i.e., the client's telephone number
- the type of call forwarding or a direct call indication
- the calling number, if the call originates within the same central office control group
- the message desk terminal numbers

The SMDI feature provides the customer with the ability to offer Customer Voice Store and Forward and Message Desk Services. If the facility is a Voice Store and Forward Service, the information may be used to activate a recorded announcement, allowing the caller to leave a recorded message, and place and store the message for the called party. If it is a Message Desk Service, this same information may be used by the customer's attendant, who answers the call and provides client specific information to the calling party, i.e., client's name, location, who else is accepting the client's calls and whether the line is busy.

In addition, SMDI provides the capability for the customer to direct a message waiting indication (an audible interrupted tone) to their client's telephone line when calls are forwarded to the message desk. Subscribing clients will hear the message waiting indication when lifting the receiver and will know that a message is waiting. The client may call the customer for their message or ignore the tone and place a call. The tone will continue until the message has been retrieved.

REGULATIONS

1. The clients and the customer must reside in the same central office (control group).
2. The central office control groups capable of providing SMDI are the IAESS and Digital Central Offices where facilities are available.
3. Customers providing message desk service must have Intellipath, Intellipath II, Centrex or exchange service lines equipped with line hunting in the same central office switch where the automatic message link equipment and data link terminates. Customers must have a data link to each central office where client lines are resident.

PRELIMINARY

4. The customer must purchase a multi-line hunt group or Uniform Call Distribution which is used to identify an Input-Output (IO) channel and message facility for a particular customer using the data link.
5. The customer's equipment must conform to interface specification TR-TSY 000283.
6. The customer must provide for use on their end a compatible modem which is required on the I/O channel for the transmission of data to the client and uses a standard EIA central office compatible interface for the transmission of data to the central office.
7. The customer must provide a controller device to interface within the Central Office data link (I/O channel) which carries the calling information.
8. When the messaging facility is a Message Desk System the customer must provide attendant answering equipment.
9. The client must use a telephone served by a central office line equipped with Call Forwarding or Call Forwarding II Services. TOUCH-TONE Service is required if the clients subscribe to a Voice Messaging System.
10. The client's line must be provisioned to accept Message Waiting Indication tone. The customer must advise the company of the client's telephone numbers to be associated with the customer's multi-line hunt group and data link.

RATES AND CHARGES

	<u>Monthly Rate*</u>	<u>Non-Recurring Charge#</u>
• Each SMDI Link	\$ XXX.XX	\$ XXX.XX
• Feature Establishment		XXXX.XX
• Each End-user with Message Waiting Indication		**

Applicable Service Connection Charges apply.

* Plus standard rates and charges for voice grade central office loops and local wiring charge. A multi-line hunt group or UCD is required, queuing is available. In addition a Service Charge applies.

** Plus standard rates and charges for a Service Charge. When message waiting indication is provisioned concurrent with all Forwarding II Services only the End-User Charge Applies.