# INTELLIMUX® SERVICE

## A. AVAILABILITY OF SERVICE

IntelliMux® Service is available where facilities exist in the operating territories of Region 1.

## B. SERVICE DESCRIPTION

IntelliMux® Service enables Customers, through the use of the IntelliMux® host computer, to reconfigure, in real-time, specific special access Voice Grade Service, as set forth in Part A; DDS as set forth in Part D; and/or individual channels within a 1.544 Mbps or 44.736 High Capacity Service, as set forth in Part E, connected at digital cross connect systems. Customers gain access to the IntelliMux® host computer through the use of a CPE terminal at their premises without going through normal service order procedures.

IntelliMux® Service allows Customers management and network reconfiguration capability of their voice grade, DDS, and/or individual channels within a 1.544 and/or 44.736 Mbps High Capacity Special Access Service. The reconfiguration is accomplished by either the Company or Customer access of the IntelliMux® host computer. Access is gained by a Customer from a dial-up line from a Customer-provided terminal at their premises to access the intelligent controller - the IntelliMux® host computer. The IntelliMux® host computer assures that the Services to be connected together for a given Customer application have compatible characteristics to ensure proper operations and functions. Once the host computer validates the Customer's commands, the instructions are communicated to the digital cross-connect system(s) (**DCSs**) associated with the Customer's Services to effect the reconfiguration. The DCSs interface at a DS1 or DS3 signal level and switch internally at a DS0, DS1, or DS3 level regardless of the type of access connection.

IntelliMux® Service configurations may utilize multiple Hubs within a LATA. However, they must be interconnected using 1.544 Mbps/DS1 or 44.736/DS3 High Capacity interoffice facilities. IntelliMux® Service utilizing DDS can only be provisioned from Hubs which provide both IntelliMux® and DDS.

Customers can reconfigure their special access networks from their premises or they can have the Company perform the reconfiguration.

## C. INTELLIMUX® RECONFIGURATION OPTIONS

Two network reconfiguration options are available to IntelliMux® Service Customers:

- Real Time
- Reservation

The real time option will make immediate changes to the network, while the reservation option will be executed at a specified time designated by the Customer. Both types of reconfigurations are available whether the Customer performs the reconfigurations or requests the Company to perform them.

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D. TECHNICAL SPECIFICATIONS

Access to IntelliMux® Service is through the use of dial-up Services.

Services capable of being cross-connected by IntelliMux® Service must have identical technical characteristics to ensure compatibility and proper operation, e.g., data to data, voice to voice. IntelliMux® Service specifications are delineated in Technical Reference TR-TSY-000366, Issue 2.

If the Company determines that the requested technical specifications are not compatible, the Customer will be advised and given the opportunity to change the order.

IntelliMux® Service is available twenty-four hours a day except during the performance of routine maintenance of the Company facilities and equipment used to provide IntelliMux® Service. The following is the schedule for routine maintenance:

Scheduled Maintenance

Sunday
12:00 a.m. - 6:00 a.m.

Monday
12:00 a.m. - 3:00 a.m.

First Sat./Month
12:00 a.m. - 2:00 a.m.

In addition to the routine downtime, unscheduled or emergency circumstances may limit availability.

E. SERVICE EXCLUSIONS

The following types of service terminations and options are not supported with the IntelliMux® offering:

1. Centrex
2. Switched Access Services
3. Shared Use High Capacity Services
4. Secondary legs of a multi-point bridging arrangement
5. DDS Secondary Channel Capability
6. Integrated Channel Service

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F. SERVICE OPTIONS

1. End Link and Interoffice Facility Compatibility Verification

   System verification of compatibility of the Customer specified end links in the cross-connect reconfiguration request. Each end link is verified to ensure technical compatibility for directionality, signaling type, bandwidth and service group.

2. DS0 Circuit Reconfiguration

   The system allows point-to-point rerouting of Customer DS0 facilities.

3. DS1 Circuit Reconfiguration

   The system allows point-to-point rerouting of Customer DS1 facilities at the DS0 or DS1 level.

4. DS3 Circuit Reconfiguration

   The system allows point-to-point rerouting of Customer DS3 facilities at the DS1 or DS3 level.

5. Real Time Capability

   The Customer, using demand service requests, can reconfigure their network on a real-time basis.

6. Reservation Capability

   The Customer, using reservation service requests, can schedule reconfiguration for a future time on a confirmed basis. Reservations can be scheduled on a continuous or cyclical basis.

7. Network Model Capability

   Customers can define a predetermined network configuration of multiple two-point cross-connects and initiate the large scale network reconfiguration with one command. This capability supports daytime/nighttime or weekday/weekend networks.

8. Basic Routing Capabilities

   The Customer can define facility routes or paths to be used by the system to connect access facilities in prespecified, user-defined tables.

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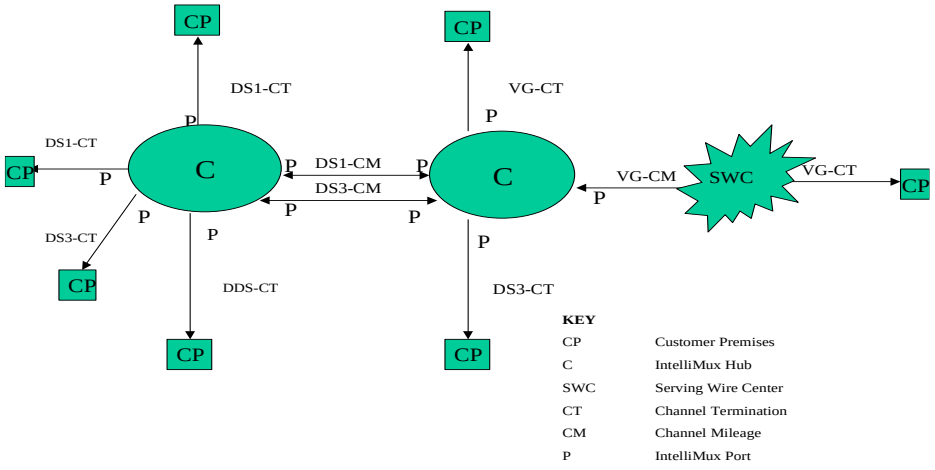
## G. INTELLIMUX® SERVICE CONFIGURATION

IntelliMux® provides Customer-management capability of Special Access Service Networks as specified in (A) preceding.

Applicable rate elements with monthly rates are:

- IntelliMux® VG/DDS Port*
- IntelliMux® DS1 Port
- IntelliMux® DS3 Port
- VG/DDS Channel Terminations (one per premises); see Parts A/D for VG/DDS.
- VG/DDS Channel Mileage (as applicable)
- DS1 Channel Termination (one per premises); see Part E for High Capacity.
- DS3 Channel Termination (one per premises); see Part E for High Capacity.
- DS1 Channel Mileage (as applicable between the Customer's serving wire center and IntelliMux® Hub and between IntelliMux® Hubs)
- DS3 Channel Mileage (as applicable between the Customer's serving wire center and IntelliMux® Hub and between IntelliMux® Hubs)

Example: IntelliMux® configuration utilizing two IntelliMux® Hubs and seven Customer premises locations:




Rate elements with monthly recurring rates are:

- Channel Termination (2 DS3, 2 DS1, 2 VG and 1 DDS applicable)
- Channel Mileage (1 section of DS1, 1 section of DS3, and 1 section of VG applicable)
- IntelliMux® Port Charges (11 applicable –4 DS3, 4 DS1 and 3 VG/DDS for Services terminated in the IntelliMux® Hubs.

* IntelliMux® Service and DDS Service can only be provided in Hub offices that support both Services.

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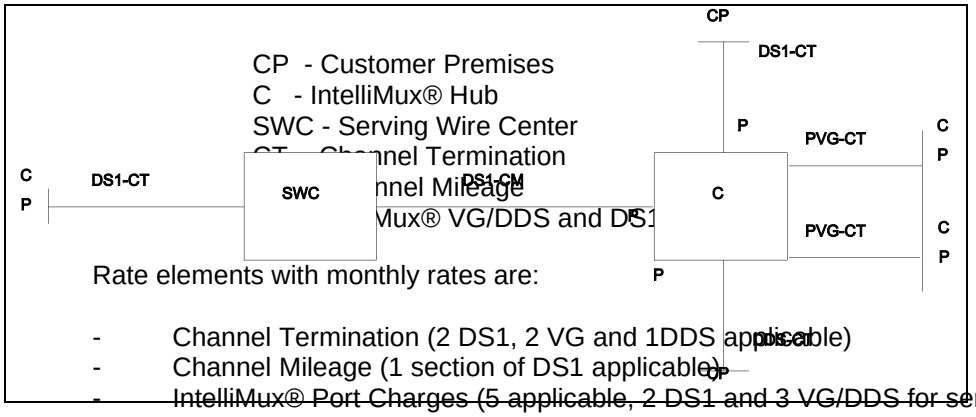
G. INTELLIMUX® SERVICE CONFIGURATION (Cont'd)

Example: IntelliMux® configuration utilizing one IntelliMux® Hub and five Customer premises locations:




CP - Customer Premises
C - IntelliMux® Hub
SWC - Serving Wire Center
CT - Channel Termination
nnel Mileage
Mux® VG/DDS and DS1

Rate elements with monthly rates are:

- Channel Termination (2 DS1, 2 VG and 1DDS applicable)
- Channel Mileage (1 section of DS1 applicable)
- IntelliMux® Port Charges (5 applicable, 2 DS1 and 3 VG/DDS for services terminated

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H. APPLICATION OF RATES AND CHARGES

1. Service Establishment

The Nonrecurring Service Establishment charge applies per initial Customer database setup. Included in this charge are the activities associated with installing the Customer's network information in the IntelliMux® Database, training the Customer's personnel and providing training materials.

2. Database Modification

This nonrecurring charge applies whenever the Customer requests the Company to make a subsequent modification in their IntelliMux® Database. A modification can be a change in security requirements or a change in administrative information (e.g. Customer contact names and numbers, addition/deletion of authorized users).

3. Company Performed Reconfiguration

This nonrecurring charge is applicable when the Customer chooses to have the Company personnel perform the reconfiguration activities. The Company reconfigures the Customer's network based upon Customer provided instructions.

This Service is charged in increments of thirty (30) minutes for each occasion.

4. Port Charges

Nonrecurring and monthly port charges apply per port termination of the DCS at the IntelliMux® Hub office. There are three types of charges:

- Voice Grade/DDS Port Charge - Channel Port Termination for all voice grade and DDS Service
- DS1 Port Charge - 1.544 Mbps Channel Port Termination
- DS3 Port Charge – 44.736 Mbps Channel Port Termination