

**2.8 Connections of Grandfathered Equipment and Systems****2.8.1. Direct Connections****A. Grandfathered Terminal Equipment, Multiline Terminating Systems and Protective Circuitry**

Terminal equipment, multiline terminating systems and protective circuitry, which is grandfathered, may remain connected or be moved and reconnected to IITS for the life of the equipment without registration, and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, if:

1. the Customer provides the following information to the Telephone Company prior to reconnecting the grandfathered Customer-provided equipment or system:
  - (a) Manufacturer's Name
  - (b) Model No.
  - (c) Type Equipment or System
  - (d) Description of the Interface
  - (e) Line(s) to which the equipment or system will be connected
  - (f) Information concerning the premises wiring associated with a multiline terminating system (when required).
2. all connections are made through Telephone Company-provided standard jacks unless the Telephone Company agrees to an alternate type of connection;
3. all such connections comply with the minimum protection criteria set forth in C. following;
4. premises wiring, associated with grandfathered multiline terminating systems which (a) were installed after June 1, 1978, or (b) are moved and reconnected, conforms to Part 68 of the Federal Communications Commission's Rules and Regulations; and
5. no changes are made to equipment or systems so connected, except by the manufacturer thereof or a duly authorized agent of the manufacturer.

The Customer must notify the Telephone Company when the grandfathered Customer-provided equipment or system is permanently disconnected.

**B. Additions to grandfathered multiline terminating systems may be made without registration of any additional equipment involved if:**

1. equipment so added is being reconnected, i.e., was previously directly connected to the telecommunication network prior to January 1, 1980, in accordance with Telephone Company Tariffs; and
2. any premises wiring added conforms to Part 68 of the Federal Communications Commission's Rules and Regulations and 2.6.2 (B), preceding.

**2.8 Connections of Grandfathered Equipment and Systems (Cont'd)****2.8.2. Connections Through Grandfathered Connecting Arrangements or Data Access Arrangements Provided by the Telephone Company.****A. General**

Grandfathered connecting arrangements or data access arrangements will be provided by the Telephone Company to connect Customer-provided terminal equipment or multiline terminating systems under the following conditions:

1. Telephone Company-provided grandfathered connecting arrangements or data access arrangements will continue to be provided to reconnect Customer-provided terminal equipment or multiline terminating systems which were previously connected toll IITS through such connecting arrangements or data access arrangements, prior to the respective register only dates. (The register only dates are (1) July 1, 1979, for terminal equipment, and (2) January 1, 1980, for multiline terminating systems.) In addition, connecting arrangements or data access arrangements, which were installed prior to the respective register only dates, may remain connected for the life of the equipment and may be moved and reconnected.
2. Grandfathered connecting arrangements or data access arrangements used to move and reconnect Customer-provided terminal equipment or multiline terminating systems will continue to be provided by the Telephone Company, subject to their availability.
3. Network control signaling is performed by equipment furnished, installed and maintained by the Telephone Company, except that:
  - (a) Customer-provided tone-type address signaling is permissible through a Telephone Company-provided connecting arrangement,
  - (b) signaling functions may be performed by Customer-provided Conforming Answering Devices specified in 12.2 (B), following.
4. The Customer-provided equipment or system must comply with the minimum protection criteria specified in C, following.
5. When used for data transmission, the Customer shall furnish the equipment which performs the function of data signaling conditioning. When the Customer-provided terminal equipment is used for both voice and data communications, the same data access arrangement may be used.

**2.8 Connections of Grandfathered Equipment and Systems (Cont'd)**

**2.8.3 Minimum Protection Criteria**

- A. To prevent excessive noise and crosstalk in the telecommunications network, it is necessary that the power of the signal at the central office not exceed 12db below one milliwatt when averaged over any three-second interval. To insure that this limit is not exceeded, the power of the signal which may be applied by the equipment to the Telephone Company interface located on the Customer's premises will be specified for each Customer location, but in no case shall it exceed one milliwatt.
  
- B. To protect other services, it is necessary that the signal which is applied by the equipment to the Telephone Company interface located on the Customer's premises meet the following limits:
  - 1. The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18db below the power of the signal as specified in A, above.
  - 2. The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16db below one milliwatt.
  - 3. The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24db below one milliwatt.
  - 4. The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36db below one milliwatt.
  - 5. The power in the band above 40,000 Hertz shall not exceed 50db below one milliwatt.
  
- C. To prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the equipment to the Telephone Company interface located on the Customer's premises at no time have energy solely in the 2450 to 2750 Hertz band. If signal power is in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in the 800 to 2450 Hertz band.