

## Subpart A—General

AUTHORITY: Secs. 4, 5, 303, 48 Stat., as amended, 1066, 1068, 1082; (47 U.S.C. 154, 155, 303).

SOURCE: 45 FR 20841, Mar. 31, 1980, unless otherwise noted.

## § 68.1 Purpose.

The purpose of the rules and regulations in this part is to provide for uniform standards for the protection of the telephone network from harms caused by the connection of terminal equipment and associated wiring thereto, and for the compatibility of hearing aids and telephones so as to ensure that persons with hearing aids have reasonable access to the telephone network.

(47 U.S.C. 151, 154(i), 154(j), 201-205, 218, 220, 313, 403, 412, and 5 U.S.C. 553)

[49 FR 21733, May 23, 1984]

## § 68.2 Scope.

(a) *General.* Except as provided for in paragraphs (b), (c), (d), (e), (f), (g), (h), (i), (j) and (k) of this section, the rules and regulations apply to direct connection:

(1) Of all terminal equipment to the public switched telephone network, for use in conjunction with all services other than party line service;

(2) Of all terminal equipment to channels furnished in connection with foreign exchange lines (customer-premises end), the station end of off-premises stations associated with PBX and Centrex services, trunk-to-station tie lines (trunk end only) and switched service network station lines (CCSA and EPSCS); and

(3) Of all PBX (or similar) systems to private line services for tie trunk type interfaces and off premises station lines. Services may only be added to this section as a result of rulemaking proceedings and equipment connected to such added services is afforded a reasonable transition period.

(4) Of all customer premises wiring associated with one and two-line (non-system) residential and business telephone service.

(5) Of all terminal equipment to subrate and 1.544 Mbps digital services.

(6) Of registered terminal equipment or registered protective circuitry to Local Area Data Channels and to channels which are similar to Local Area Data Channels that are obtained as special assemblies.

(7) Of all terminal equipment or systems to voiceband private line channels for 2-point and multipoint private line services (excluding those identified in Category II, AT&T Tariff F.C.C. No. 260 or subsequent revisions) that utilize loop start, ringdown or inband signaling; or voiceband metallic channels.

(8) Of the types of test equipment specified in § 68.3, Definitions.

(9) Of all terminal equipment to Public Switched Digital Service (PSDS) Type I, II or III.

(10) Of all terminal equipment to the Integrated Services Digital Network (ISDN) Basic Rate Access (BRA) or Primary Rate Access (PRA).

(b) *Grandfathered terminal equipment (other than PBX and key telephone systems) and protective circuitry.* All terminal equipment (other than PBX and key telephone systems) and protective circuitry of a type directly connected to the public switched telephone network and services identified in § 68.2(a)(2) as of October 17, 1977, may be connected thereafter up to July 1, 1979—and may remain connected for life—without registration unless subsequently modified.

(c) *Grandfathered systems (including, but not limited to, PBX and key telephone systems).* (1) Entire systems, including their equipment, premises wiring, and protective apparatus (if any) directly connected to the public switched telephone network and services identified in § 68.2(a)(2) on June 1, 1978, may remain connected to the public switched telephone network and services identified in § 68.2(a)(2) for life without registration, unless subsequently modified, except for modifications allowed under § 68.2(c)(3).

(2) New installations of equipments may be performed (including additions to existing systems) up to January 1, 1980, without registration of any equipments involved, provided that these equipments are of a type directly connected to the public switched telephone network or services identified in § 68.2(a)(2) as of June 1, 1978. These

equipments may remain connected to the public switched telephone network or services identified in § 68.2(a)(2) for life without registration, unless subsequently modified, except for modifications allowed under § 68.2(c)(3).

(3) Modifications to systems and installations involving unregistered equipment:

(i) Use of other than fully-protected premises wiring is a modification under § 68.2. As an exception to the general requirement that no modification is permitted to unregistered equipment whose use is permitted under § 68.2, certain modifications are authorized herein.

(ii) Other than fully-protected premises wiring may be used if it is qualified in accordance with the procedures and requirements of § 68.215. Since there is no “registrant” of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the equipment’s manufacturer.

(iii) Existing separate, identifiable and discrete protective apparatus may be removed, or replaced with apparatus of lesser protective function, provided that any premises wiring to which the public switched telephone network or service identified in § 68.2(a)(2) is thereby exposed conforms to § 68.2(c)(2) above. Minor modifications to existing unregistered equipments are authorized to facilitate installation or premises wiring, so long as they are performed under the responsible supervision and control of a person who complies with § 68.215(c). Since there is no “registrant” of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the manufacturer of the equipment so modified.

(d) *Grandfathered private branch exchange (or similar) systems for connection to private line type services (tie trunk type services, off-premises station lines, automatic identified outward dialing, and message registration):*

(1) PBX (or similar) systems, including their equipments, premises wiring, and protective apparatus (if any) directly connected to a private line type service on April 30, 1980 may remain connected to the private line type service for life without registration unless

subsequently modified, except for modifications allowed under § 68.2(d)(3).

(2) New installations of equipments may be performed (including additions to existing systems) up to May 1, 1983 without registration of any equipments involved, provided that these equipments are of a type directly connected to a private line type service as of April 30, 1980. These equipments may remain connected to the private line type service for life without registration, unless subsequently modified, except for modifications allowed under § 68.2(d)(3).

(3) Modifications to systems and installations involving unregistered equipment:

(i) Use of other than fully-protected premises wiring is a modification under § 68.2. As an exception to the general requirement that no modification is permitted to unregistered equipment whose use is permitted under § 68.2, certain modifications are authorized herein.

(ii) Other than fully-protected premises wiring may be used if it is qualified in accordance with the procedures and requirements of § 68.215. Since there is no “registrant” of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the equipment’s manufacturer.

(iii) Existing separate, identifiable and discrete protective apparatus may be removed, or replaced with apparatus of lesser protective function, provided that any premises wiring to which the private line type service is thereby exposed conforms to § 68.2(d)(ii) above. Minor modifications to existing unregistered equipments are authorized to facilitate installation or premises wiring, so long as they are performed under the responsible supervision and control of a person who complies with § 68.215(c). Since there is no “registrant” of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the manufacturer of the equipment so modified.

(4) PBX (or similar) systems connected with automatic identified outward dialing or message registration private line services of a type that complies with paragraphs (d)(1) and

(d)(2) of this section may remain connected for life without registration unless subsequently modified.

(e) *Grandfathered terminal equipment for connection to local area data channels.* All terminal equipment of a type directly connected to Local Area Data Channels or directly connected under special assembly tariff provisions to telephone company-supplied, non-loaded, metallic, greater-than-voiceband circuits for the purpose of providing limited distance data transmission as of February 10, 1986, may be connected thereafter up to August, 10, 1987, and may remain connected for life, without registration unless subsequently modified.

(f) *Grandfathered terminal equipment for connection to subrate and 1.544 Mbps digital services.* (1) Terminal equipment including premises wiring and protective apparatus (if any) directly connected to subrate or to 1.544 Mbps digital services on January 2, 1986, may remain connected and be reconnected to such digital services for life without registration, unless subsequently modified.

(2) New installations of terminal equipments, including premises wiring and protective apparatus (if any) may be installed (including additions to existing systems) up to June 30, 1987, without registration of any terminal equipment involved, provided that these terminal equipments are of a type directly connected to subrate or 1.544 Mbps digital services as of January 2, 1986. These terminal equipments may remain connected and be reconnected to such digital services for life without registration, unless subsequently modified.

(g) *Grandfathered test equipment.* (1) Test equipment directly connected to the telephone network on February 10, 1986, is considered to be grandfathered and may remain connected to the telephone network for life without registration unless subsequently modified.

(2) New installations of test equipment may be performed up to August 10, 1987 without registration, provided that the test equipment is of a type directly connected to the public switched network or services identified in § 68.2(a)(1), (2), (3), (5), (6), and (7) for

life without registration unless subsequently modified.

(h) *Grandfathered terminal equipment or systems for connection to voiceband private line channels for 2-point and multipoint private line services that utilize loop start, ringdown, or inband signaling; or voiceband metallic channels.* (1) Terminal equipment or systems, including premises wiring and protective apparatus (if any), directly connected to voiceband private lines for 2-point or multipoint service on February 10, 1986, may remain connected to that private line type service for life without registration unless subsequently modified, except for modifications allowed under § 68.2(h)(3).

(2) New installations of equipments may be installed (including additions to existing systems) up to August 10, 1987 without registration of any equipments involved, provided that these equipments are of a type directly connected to voiceband private lines for 2-point or multipoint services. These equipments may remain connected to the private line-type service for life without registration, unless subsequently modified, except for modifications allowed under § 68.2(h)(3).

(3) Modification to systems and installations involving unregistered equipment:

(i) Use of other than fully-protected premises wiring is a modification under § 68.2. As an exception to the general requirements that no modification is permitted to unregistered equipment whose use is permitted under § 68.2, certain modifications are authorized herein.

(ii) Other than fully-protected premises wiring may be used if it is qualified in accordance with procedures and requirements of § 68.215. Since there is no "registrant" of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the equipment's manufacturer.

(iii) Existing separate, identifiable, and discrete protective apparatus may be removed or replaced with apparatus of lesser protective function, provided that any premises wiring to which the private line service is thereby exposed conforms to § 68.2(h)(3)(ii) of this section. Minor modifications to existing

unregistered equipments are authorized to facilitate installation of premises wiring, so long as they are performed under the responsible supervision and control of a person who complies with § 68.215(c). Since there is no “registrant” of unregistered equipment, the training and authority required by § 68.215(c) will have to be received from the manufacturer of the equipment so modified.

(i) *National defense and security.* Where the Secretary of Defense or authorized agent or the head of any other governmental department, agency, or administration (approved in writing by the Commission to act pursuant to this rule) or authorized representative, certifies in writing to the appropriate common carrier that compliance with the provisions of part 68 could result in the disclosure of communications equipment or security devices, locations, uses, personnel, or activity which would adversely affect the national defense and security, such equipment or security devices may be connected to the telephone company provided communications network without compliance with this part, provided that each written certification states that:

(1) The connection is required in the interest of national defense and security;

(2) The equipment or device to be connected either complies with the technical requirement of this part or will not cause harm to the nationwide telephone network or telephone company employees; and

(3) The installation is performed by well-trained, qualified employees under the responsible supervision and control of a person who meets the qualifications stated in § 68.215(c).

(j)(1) Terminal equipment, including its premises wiring directly connected to PSDS (Type I, II or III) on or before November 13, 1996, may remain for service life without registration, unless subsequently modified. Service life means the life of the equipment until retired from service. Modification means changes to the equipment that affect compliance with part 68 rules.

(2) New installation of terminal equipment, including its premises wiring, may occur until May 13, 1998, with-

out registration of any terminal equipment involved, provided that the terminal equipment is of a type directly connected to PSDS (Type I, II or III) as of November 13, 1996. This terminal equipment may remain connected and be reconnected to PSDS (Type I, II or III) for service life without registration unless subsequently modified.

(3) Terminal equipment including premises wiring and protective apparatus (if any) directly connected to the network on April 20, 1998, may remain connected and be reconnected for life without registration, unless subsequently modified. New installations of terminal equipment, including premises wiring and protective apparatus (if any) may be installed (including additions to existing systems) up to May 19, 1999, without registration of any terminal equipment involved, provided that the terminal equipment is of a type directly connected to the network as of April 20, 1998. This terminal equipment may remain connected and be reconnected to the network for life without registration, unless subsequently modified.

(k)(1) Terminal equipment, including premises wiring directly connected to ISDN BRA or PRA on November 13, 1996, may remain connected to ISDN BRA or PRA for service life without registration, unless subsequently modified.

(2) New installation of terminal equipment, including premises wiring, may occur until May 13, 1998, without registration of any terminal equipment involved, provided that the terminal equipment is of a type directly connected to ISDN BRA or PRA as of November 13, 1996. This terminal equipment may remain connected and be reconnected to ISDN BRA or PRA for service life without registration unless subsequently modified.

(l) *Grandfathered central office implemented payphone equipment.* (1) Terminal equipment, including its premises wiring, that is directly connected to a central-office-implemented telephone line on or before October 8, 1997, may remain for service life without registration, unless subsequently modified. Service life means that life of the equipment until retired from service. Modification means changes to the

equipment that affect the part 68-related characteristics of that equipment at the network interface.

(2) New installation of terminal equipment, including its premises wiring, may occur until April 8, 1999, without registration of any central-office-implemented telephone line equipment involved, provided that the terminal equipment is of a type directly connected to a central-office-implemented telephone line as of October 8, 1997. This terminal equipment may remain connected and be reconnected to a central-office-implemented telephone.

Governmental departments, agencies, or administrations that wish to qualify for interconnection of equipment or security devices pursuant to this section shall file a request with the Secretary of this Commission stating the reasons why the exemption is requested. A list of these departments, agencies, or administrations that have filed requests shall be published in the FEDERAL REGISTER. The Commission may take action with respect to those requests 30 days after publication. The Commission action shall be published in the FEDERAL REGISTER. However, the Commission may grant, on less than the normal notice period or without notice, special temporary authority, not to exceed 90 days, for governmental departments, agencies, or administrations that wish to qualify for interconnection of equipment or security devices pursuant to this section. Requests for such authority shall state the particular fact and circumstances why authority should be granted on less than the normal notice period or without notice. In such cases, the Commission shall endeavor to publish its disposition as promptly as possible in the FEDERAL REGISTER.

(Secs. 4, 5, 303, 48 Stat. 1066, 1068, 1082, as amended (47 U.S.C. 154, 155, 303) (47 U.S.C. 151, 154(i), 154(j)), 201-205, 218, 220, 313, 403, 412, and 5 U.S.C. 553)

[40 FR 20841, Mar. 31, 1980, as amended at 49 FR 21734, May 23, 1984; 49 FR 48719, Dec. 14, 1984; 50 FR 48208, Nov. 22, 1985; 51 FR 937, Jan. 9, 1986; 51 FR 16689, May 6, 1986; 61 FR 42387, Aug. 15, 1996; 61 FR 52324, Oct. 7, 1996; 62 FR 24587, May 6, 1997; 62 FR 47371, Sept. 9, 1997; 62 FR 54790, Oct. 22, 1997; 62 FR 61654, Nov. 19, 1997; 63 FR 25170, May 7, 1998]

### § 68.3 Definitions.

As used in this part:

*Auxiliary leads:* Terminal equipment leads at the interface, other than telephone connections and leads otherwise defined in these Rules, which leads are to be connected either to common equipment or to circuits extending to central office equipment.

*Capture Level:* Equipment with AGC (automatic Gain Control) signal power limiting has virtually no output signal for input levels below a certain value. At some input signal power, the output level will become significant (usually corresponding to the expected output level) for the service application. The input level at which this occurs is defined as the "capture level."

*Central-office implemented telephone:* A telephone executing coin acceptance requiring coin service signaling from the central office.

*Channel equipment:* Equipment in the private line channel of the telephone network that furnishes telephone tip and ring, telephone tip 1 and ring 1, and other auxiliary or supervisory signaling leads for connection at the private line channel interface (where tip 1 and ring 1 is the receive pair for 4-wire telephone connections).

*Coin-implemented telephone:* A telephone containing all circuitry required to execute coin acceptance and related functions within the instrument itself and not requiring coin service signaling from the central office.

*Coin service:* Central office implemented coin telephone service.

*Companion terminal equipment:* Companion terminal equipment represents the terminal equipment that would be connected at the far end of a network facility and provides the range of operating conditions that the terminal equipment which is being registered would normally encounter.

*Continuity leads:* Terminal equipment continuity leads at the network interface designated CY1 and CY2 which are connected to a strap in a series jack configuration for the purpose of determining whether the plug associated with the terminal equipment is connected to the interface jack.