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List of Subjects in 40 CFR Part 300

Environmental protection, Air pollution control, Chemicals, Hazardous waste, Hazardous substances, Intergovernmental relations, Penalties, Reporting and recordkeeping requirements, Superfund, Water pollution control, and Water supply.

Dated: April 20, 1998.

Jeanne Fox,

Regional Administrator, Region II.

For the reasons set out in the preamble, 40 CFR part 300 is amended as follows:

PART 300 [AMENDED]

1. The authority citation for part 300 continues to read as follows:

Authority: 33 U.S.C. 1321(c)(2); 42 U.S.C. 9601–9657; E.O. 12777, 56 FR 54757, 3 CFR 1991 Comp., p 351; E.O. 12580; 52 FR 02923; 3 CFR, 1987 Comp., p 193.

Table 1 to Appendix B [Amended]

2. Table 1 of appendix B to part 300 is amended by removing the sites Pomona Oaks Residential Wells, Galloway Township, New Jersey and Vineland State School, Vineland, New Jersey.

[FR Doc. 98–11879 Filed 5–6–98; 8:45 am]

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FEDERAL COMMUNICATIONS COMMISSION

47 CFR Part 68

[CC Docket No. 96–28; FCC 97–270]

Connection of Customer-Provided Terminal Equipment to the Telephone Network

AGENCY: Federal Communications Commission.

ACTION: Final rule; correction.

SUMMARY: The FCC published in the **Federal Register** of November 19, 1997 (62 FR 61649), final rules to Part 68 of Title 47, *Code of Federal Regulations*. Those rules govern the terms and conditions under which customer-provided terminal equipment may be connected to the telephone network without causing harm to the public switched network. This document corrects the typographical errors and omissions found in that document.

EFFECTIVE DATE: May 7, 1998.

FOR FURTHER INFORMATION CONTACT: William Howden, (202) 418–2343 or e-mail at whowden@fcc.gov.

SUPPLEMENTARY INFORMATION:

Need for Correction

As published, the final regulations contain errors which may prove to be misleading and are in need of clarification.

In rule FR Doc. 97–29925, published on November 19, 1997, (62 FR 61649) make the following corrections:

1. On page 61654, paragraph 31, in the first column, correct the effective date to read April 20, 1998.

§ 68.2 [Corrected]

2. On page 61654, in § 68.2, first column, last line insert a comma “,” between the words “lines” and “automatic”.

3. On page 61654, amendatory instruction two, column one, lines 3 and 4, are corrected to read “and adding new paragraphs (d)(4) and (j)(3):”.

3a. On page 61654, column 2, following the second line of asterisks the “(j)” is corrected to “(j) *** (3)”.

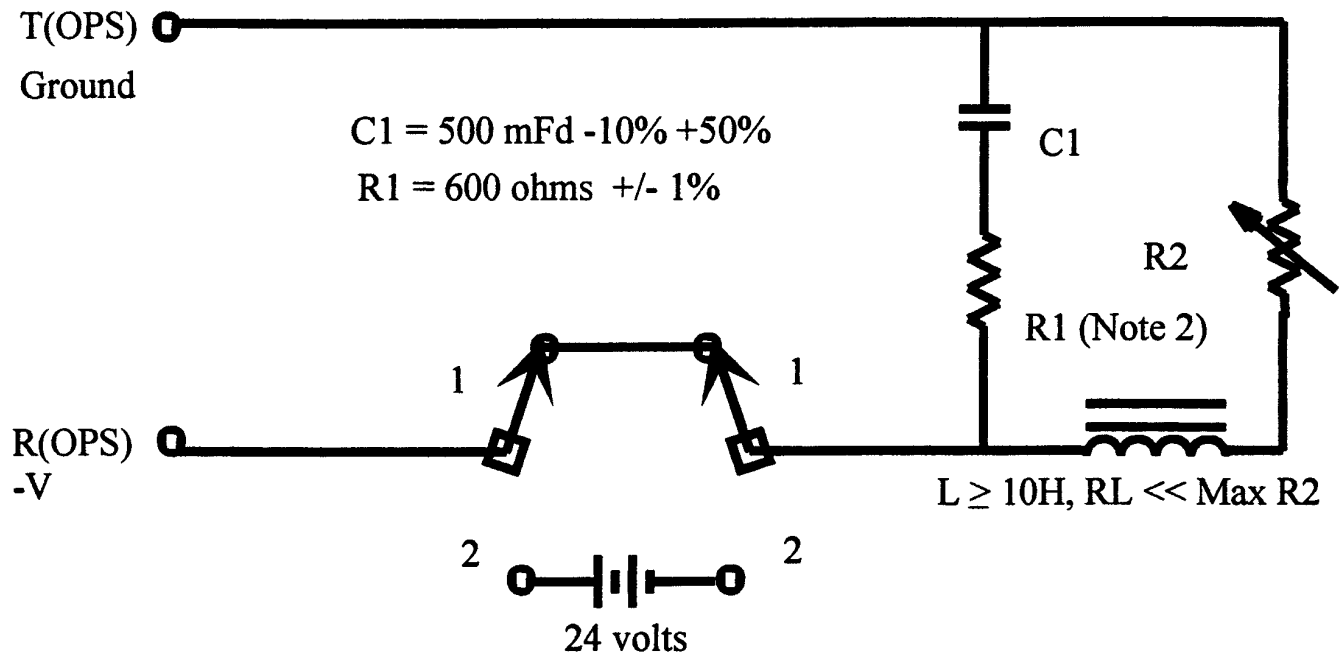
4. On page 61654, in newly redesignated paragraph (j)(3), correct the date “April 20, 1997” to read “April 20, 1998”.

§ 68.3 [Corrected]

5. On page 61654, in the instruction to § 68.3, second column, after “in the definition for Tie Trunk Transmission Interfaces, by removing paragraph (c)” add the following instruction “and redesignate paragraphs (d), (e) and (f) as (c), (d) and (e)”.

6. On page 61657, in § 68.3 remove “Figure 68.3(f)”, and add in its place the revised “Figure 68.3(f)” as follows:

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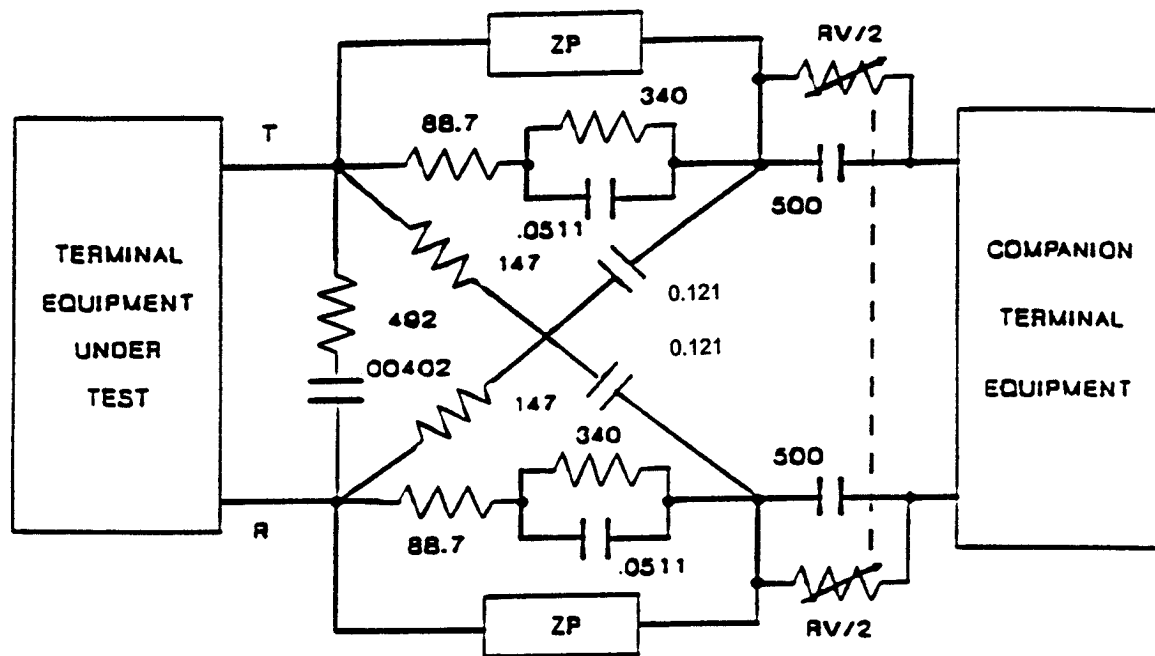
		R2 + RL continuously variable over the following range		
Condition	Switch Position for Test	Class A	Class B	Class C
1	1	up to 200 ohms	up to 800 ohms	up to 1800 ohms
2	2	N.A.	200 to 2300 ohms	900 to 3300 ohms

The minimum current for all resistance ranges shall be 16 ma.

- Notes: (1) Means shall be used to generate , at the point of tip (T OPS) and ring (R OPS) connections to the PBX, the range of resistance and impedance which are employed by the illustrative circuit depicted above.
- (2) In the transverse balance limitations , Section 68.310, the use of the dc portion of the loop simulator is specified. In such cases R1 and C1 shall be removed.
- (3) Tests for compliance may be made with either R1 = 600 ohms or R1 replaced by the alternative termination specified in Figure 68.3(g).

Off Premises Loop Simulator - Figure 68.3(f)

7. On page 61660, in §68.3, remove “Figure 68.3(i)”, and add in its place the revised “Figure 68.3(i)” as follows:



Resistances (Ohms), Capacitances (uF), Tolerances $\pm 2\%$.

$RV + RP = 50$ thru 3000 Ohms.

ZP is the magnitude of the lowpass filter impedance which is < 25 Ohm dc; > 3 Kohm from 10 Hz to 6 KHz.

$RP/2 =$ dc resistance of lowpass filter, ZP in parallel with 428.7 Ohm.

Figure 68.3(i) LADC Impedance Simulator for Metallic Voltage Tests

8. On page 61663, in § 68.3, remove "Figure 68.3(m)".

§ 68.302 [Corrected]

9. On page 61664, in § 68.302, column 2, line 8 in the Note to paragraph (b)(1), remove "10 ms" and add in its place "10 μ s (μ seconds)".

10. On page 61664, in § 68.302, column 3, lines 4 and 8 in the Note to paragraph (b)(2), remove "10 ms" and add in its place "10 μ s (μ seconds)".

11. On page 61664, in § 68.302, column 3, line 4 in the Note to paragraph (b)(2), remove "(t_{μ})" and add in its place "(t_i)".

12. On page 61664, in § 68.302, column 3, lines 5 and 9 in the Note to paragraph (b)(2), remove "160 ms" and add in its place "160 μ s".

13. On page 61665, in § 68.302, first column, line 4 of the Note to paragraph (c)(1), remove "9 ms" and add in its place "9 μ s".

14. On page 61665, in § 68.302, first column, line 8 of the note to paragraph (c)(1), remove "5 ms" and add in its place "5 μ s".

15. On page 61665, in § 68.302, second column, line 29, in paragraph (c)(2)(iii) add "as for example" after "sources,".

16. On page 61665, in § 68.302, third column, line 1, in paragraph (c)(2)(iii) remove ", if so configured".

17. On page 61666, in § 68.302, in the titles to figures, "Fig. 68.302(a)", "Fig. 68.302(b)" and "Fig. 68.302(c)" remove the "x" in each title.

18. On page 61670, in § 68.306, add the title "Figure 68.306(a), Illustration of Ring Trip Requirement" below the figure.

19. On page 61671, in § 68.306, first column, remove the entire paragraph (e) and replace with the following test:

* * * * *

(e) Intentional paths to ground (as required by § 68.304). (1) Connections with operational paths to ground. Registered terminal equipment and registered protective circuitry having an intentional dc conducting path to earth ground at operational voltages that was excluded during the leakage current test of § 68.304 shall have a dc current source applied between the following points:

(i) Telephone connections, including tip, ring, tip 1, ring 1, E&M leads and auxiliary leads, and

(ii) Earth grounding connections.

Note to paragraphs (e)(1)(i) and (e)(1)(ii): For each test point, gradually increase the current from zero to 1 ampere, then maintain the current for one minute. The voltage between paragraph (e)(1)(i) and paragraph (e)(1)(ii) of this section shall not exceed 0.1 volt at any time. In the event there is a component or circuit in the path to ground, the requirement shall be met between the grounded side of the component or circuit and the earth grounding connection.

(2) Connections with protection paths to ground. Registered terminal equipment and protective circuitry having an intentional dc conducting path to earth ground for protection purposes at the leakage current test voltage that was removed during the leakage current test of § 68.304 shall, upon its replacement, have a 50 or 60 Hz voltage source applied between the following points:

(i) Simplex telephone connections, including tip and ring, tip 1 and ring 1, E&M leads and auxiliary leads, and

(ii) Earth grounding connections.

Note to paragraphs (e)(2)(i) and (e)(2)(ii): Gradually increase the voltage from zero to 120 volts rms for registered terminal equipment, or 300 volts rms for protective circuitry, then maintain the voltage for one minute. The current between (e)(2)(i) and (e)(2)(ii) of this section shall not exceed 10 mA peak at any time. As an alternative to

carrying out this test on the complete equipment or device, the test may be carried out separately on components, subassemblies, and simulated circuits, outside the unit, provided that the test results would be representative of the results of testing the complete unit.

§ 68.308 [Corrected]

20. On page 61672, in § 68.308, third column, add three rows at the end of Table 68.308(a) as follows:

Programming resistor (Rp)* (ohms)	Programmed data equipment signal power output
	* * *
9200	- 10 dBm.
19800	- 11 dBm.
Open	- 12 dBm.

21. On page 61673, in § 68.308, beginning in column one, after the note, correct the five equations for "Return Loss" to read as follows:

$$RL \triangleq 20 \log_{10} \left| \frac{Z_{PBX} + Z_{ref}}{Z_{PBX} - Z_{ref}} \right|$$

$$RL_i \triangleq 20 \log_{10} \left| \frac{Z_{PBX (input)} + Z_{ref}}{Z_{PBX (input)} - Z_{ref}} \right|$$

$$RL_o \triangleq 20 \log_{10} \left| \frac{Z_{PBX (output)} + Z_{ref}}{Z_{PBX (output)} - Z_{ref}} \right|$$

$$tl_f \triangleq 20 \log_{10} \left| \frac{I_i}{I_r} \right|$$

$$tl_r \triangleq 20 \log_{10} \left| \frac{I_i}{I_r} \right|$$

22. On page 61673, in § 68.308, column two, correct paragraphs (b)(6)(i) and (b)(6)(ii), to read as follows:

* * * * *

(i) For the two-wire interface:

$$RL \geq \begin{cases} 9 - 3 \frac{\log(f/200)}{\log(2.5)} \text{ dB} & ; \text{ for } 200 \text{ Hz} \leq f \leq 500 \text{ Hz} \\ 6 \text{ dB} & ; \text{ for } 500 \text{ Hz} \leq f \leq 3200 \text{ Hz} \end{cases}$$

(ii) For the four-wire lossless interface:

$$tl_f \geq \begin{cases} 10 - 4 \frac{\log(f/200)}{\log(2.5)} \text{ dB} & ; \text{ for } 200 \text{ Hz} \leq f \leq 500 \text{ Hz} \\ 6 \text{ dB} & ; \text{ for } 500 \text{ Hz} \leq f \leq 3200 \text{ Hz} \end{cases}$$

$tl_r > 40 \text{ dB}$
 $RL_i, RL_o \geq 3 \text{ dB}$

23. On page 61673, in § 68.308, second column, add paragraph (b)(7)(ii)(C) and "R2+RL" table as follows:

* * * * *

(b) * * *

(7) * * *

(ii) * * *

(C) Except for Class A OPS interfaces, the dc current into the OPS line simulator circuit must be at least 20 mA

for the following conditions (see Figure 68.3(f)):

R2+RL		
Condition	Class B	Class C
1	600	1300
2	1800	2500

* * * * *

24. On page 61674, in § 68.308, third column, line 7, correct the paragraph

METALLIC VOLTAGE 4 KHZ TO 270 KHZ

Center frequency (f) of 8 kHz band	Max voltage in all 8 kHz bands	Metallic terminating impedance
8 kHz to 12 kHz	– (6.4 + 12.6 log f) dBV	300 ohms.
12 kHz to 90 kHz	(23–40 log f) dBV	135 ohms.
90 kHz to 266 kHz	– 55 dBV	135 ohms.

27. On page 61674, in § 68.308, third column, add paragraph (e)(1)(ii) as follows:

* * * * *

(e) * * *

(1)(i) * * *

(ii) 270 KHz to 6 MHz. The rms value of the metallic voltage components in the frequency range of 270 kHz to 6 MHz shall, averaged over 2 microseconds, not exceed – 15 dBV. This limitation applies with a metallic

termination having an impedance of 135 ohms.

28. On page 61674, in § 68.308, after paragraph (e)(2)(ii), transfer the table so that it immediately follows (e)(2)(i) and correct the table to read as follows:

LONGITUDINAL VOLTAGE 4KHZ TO 270 KHZ

Center frequency (f) of 8kHz band	Max voltage in all 8 kHz bands	Longitudinal terminating impedance
8 kHz to 12 kHz	– (18.4 +20 log f) dBV	500 ohms.
12 kHz to 42 kHz	(3 – 40 log f) dBV	90 ohms.
42 kHz to 266 kHz	– 62 dBV 90	ohms.

29. On page 61675, in § 68.308, paragraph (f)(3), second column, remove lines 5 through 16, beginning with "Frequencies below 4KHz:"

30. On page 61675, in § 68.308, first column, remove text beginning with "paragraph (d)" through page 61677.

31. On page 61680, in § 68.308, correct Table 68.308(e), by revising the fourth value "29" to read "28".

32. On page 61680, in § 68.308, in paragraph (h)(1)(iii), first column, line 8 after the Table, revise the reference to

"Table 68.308(b)" to read "Table 68.308(c)".

§ 68.310 [Corrected]

33. On page 61682, in § 68.310, first column, correct the table immediately following paragraph (b), to read as follows:

State	Frequency (f)	Balance
Off-hook	200 Hz ≤ f ≤ 4000 Hz	≥ 40 dB.
On-hook	200 Hz ≤ f ≤ 1000 Hz	≥ 60 dB.
On-hook	1000 Hz ≤ f ≤ 4000 Hz	≥ 40 dB.

34. On page 61682, in § 68.310, second column, line 7, revise “<f₂” to read “f₂”.

35. On page 61682, in § 68.310, second column, lines 10 and 26, after the table, correct the reference to “Figure 68.310(b)” to read “Figure 68.310(f)”.

36. On page 61682, in § 68.310, third column, line 17, after the table, remove the “.” and add “and a longitudinal impedance of 500 ohms. Figure 68.310(c) shows this termination.”

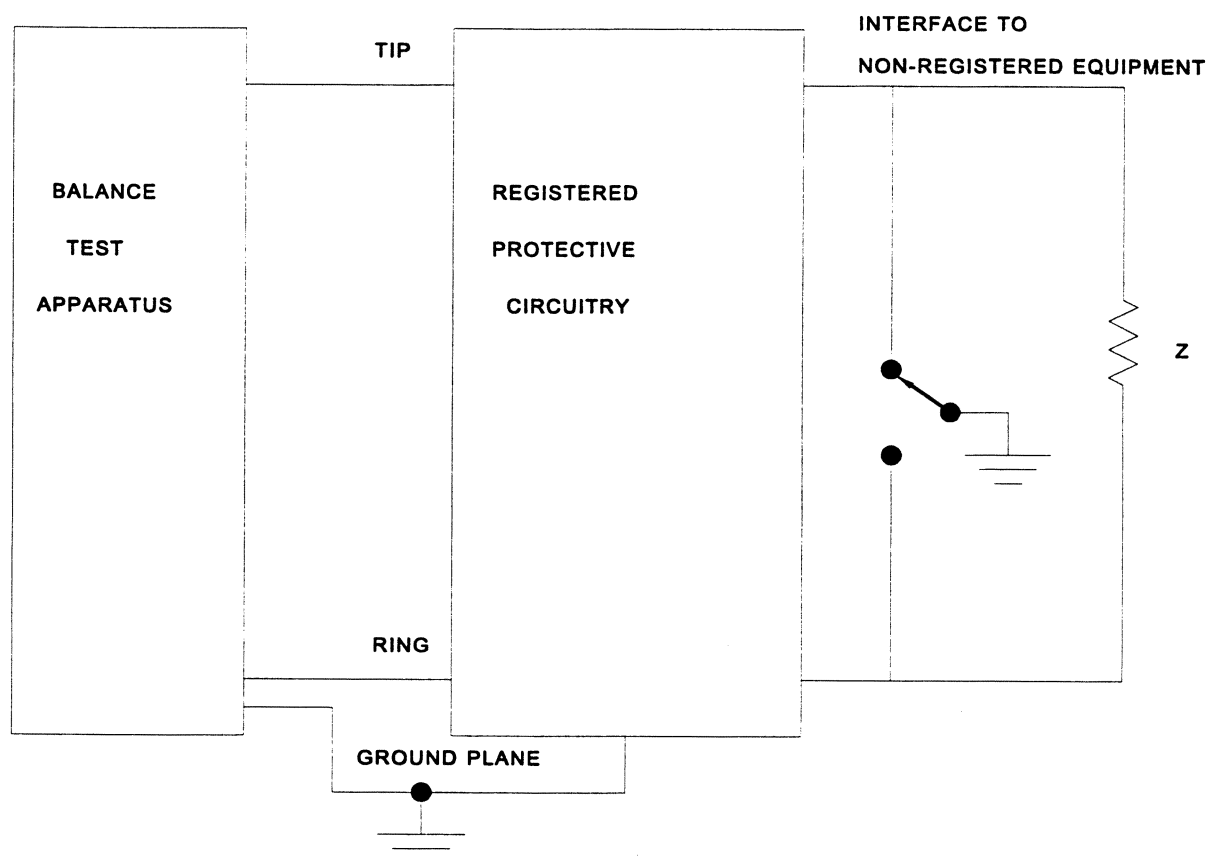
37. On page 61683, in § 68.310, correct the table heading to read “Table 68.310(b)—Frequency Ranges of

Transverse Balance Requirements for Digital Services”.

38. On page 61688, in § 68.310, Figure 68.310(e), remove reference to “1.544kHz” and add in its place “1.544MHz”.

39. On page 61689, in § 68.310, add new Figure 68.310(f) as follows:

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Z - Selected so that the reflected impedance at tip and ring is 600 Ω , 135 Ω , or 100 Ω depending on the service type of EUT

FIGURE 68.310 (f)
REQUIRED TERMINATION FOR CONNECTIONS TO NON-REGISTERED EQUIPMENT

Federal Communications Commission.

Geraldine A. Matise,

Chief, Network Services Division.

[FR Doc. 98-12127 Filed 5-6-98; 8:45 am]

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