

Errata to 2007 Edition National Electrical Safety Code®

Correction Sheet
Issued 5 October 2006

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The following corrections should be made:

Page x: The names of two members of the NESC Executive Subcommittee do not appear in the current list of Executive Subcommittee member names found on page x. Add the names of Lawrence M. Slavin of ATIS and James R. Tomaseski of IBEW.

Executive Subcommittee

Lawrence M. Slavin ATIS
James R. Tomaseski IBEW

Page 106: There is an error in Table 233-1 (ft). The sixth cell in the third row should contain a footnote with the number “⑤” and not “⑥.”

**Table 233-1—Vertical clearance between wires, conductors, and cables
carried on different supporting structures**

2. Effectively grounded communication guys, ^⑦ span wires and messengers; communication conductors and cables	2.0 ^① ^②	2.0 ^①	2.0	4.0 ^⑧	5.0 ^⑤
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Page 107: There is an error in Table 233-2 (m). The cell in row 4, column 6 should read “2.67” and not “22.67.”

Table 233-2—Clearance between supply wires, conductors, and cables in Rule 233C3b(1)

	2.6	2.48 ^①	2.48 ^①	2.48 ^①	2.67	3.2		
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Page 133: There is an error in Table 234-4. The cell in row 9, column 4 should contain “1.64” as the value under Vertical (m), and not “1.6.”

Table 234-4—Electrical component of clearance of buildings, bridges, and other installations

	2.0	591	1.64	5.4	1.37	4.5
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Page 149: There are two errors in Table 235-5 (m). The fourth and fifth cells in the 2C1 row should contain the statement “in excess of 8.7 kV.”

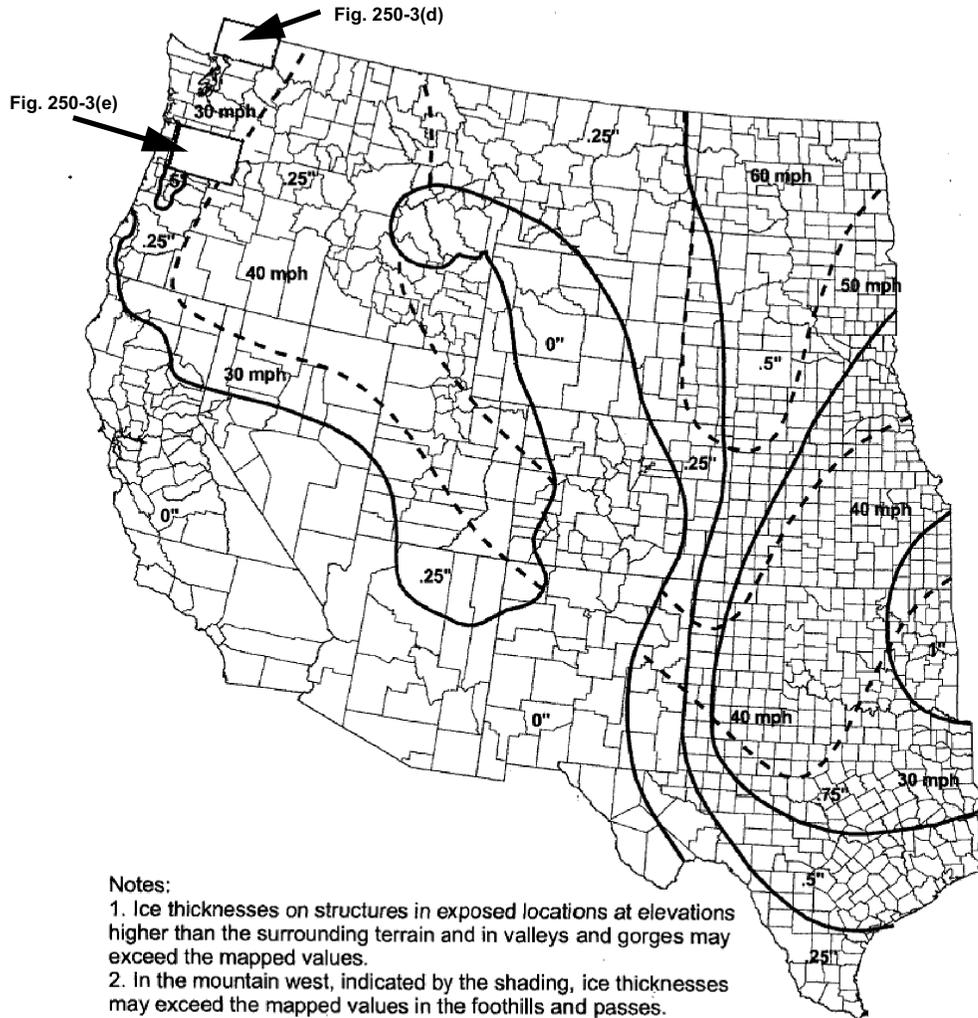
Table 235-5—Vertical clearance between conductors at supports

(1) If worked on energized with live-line tools and adjacent circuits are neither de-energized nor covered with shields or protectors			0.41 plus 0.01 per kV ^⑥ in excess of 8.7 kV	1.00 plus 0.01 per kV ^⑥ in excess of 8.7 kV
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Page 178: There is an error in Rule 250C. The paragraph immediately above the explanation of k_z should be deleted since it is a duplication of the information detailed above it in the description of 0.613.

~~Ambient air density value, the constants 0.613, metric, and 0.00256, customary, reflects the mass density of air for the standard atmosphere, i.e., temperature of 15 °C (59 °F) and sea level pressure of 760 mm (29.92 in) of mercury~~

Page 184: There is an error in Figure 250-3(a). One of the arrows contained within the figure is mislabeled. Relabel the leftmost arrow to replace “Fig. 250-2(e)” with “Fig. 250-3(e).”



Notes:

1. Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.
2. In the mountain west, indicated by the shading, ice thicknesses may exceed the mapped values in the foothills and passes. However, at elevations above 5,000 ft, freezing rain is unlikely.
3. In the Appalachian Mountains, indicated by the shading, ice thicknesses may vary significantly over short distances.

50-YEAR MEAN RECURRENCE INTERVAL UNIFORM ICE THICKNESSES DUE TO FREEZING RAIN WITH CONCURRENT 3-SECOND GUST SPEEDS: CONTIGUOUS 48 STATES.

Figure 250-3(a)—Uniform ice thickness with concurrent wind

NOTE: Figure 250-3(a) reprinted with the permission of ASCE Publications, 1801 Alexander Bell Dr., Reston, VA 20191 from ASCE 7-05, Minimum Design Loads for Buildings and Other Structures. Copyright © 2005.

Page 190: There is an error in Table 250-2. The cell in the second row, second column should contain the range of “> 33 to 50” and not “> 35 to 50.”

Table 250-2—Velocity pressure exposure coefficient k_z , structure, structure location, component, and wire

> 10 to 15	> 33 to 50	1.0	1.1
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Page 206: There is an error in Rule 261L2b that affects the second sentence after “Spans exceeding 30 m (100 ft).” The words “be” and “less than” should be deleted; the word “exceed” should be added.

261L2b. Above trolley-contact conductors

Spans exceeding 30 m (100 ft)—Each conductor shall have a rated breaking strength of not less than 0.75 kN (170 lb). Tensions shall not exceed those of Rule 261H1.

Page 248: There is an error in Table 410-1. The cell in the last row, last column of the table should contain the value of “9.1” and not “0.1.”

Table 410-1—Clothing and clothing systems—voltage, fault current, and maximum clearing time for voltages 1 to 46 kV (*continued*)

	20	3.0	6.1	9.1
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Page 269: There is an error in the title of Table 441-3 (m). The title of the table should refer to metric altitudes instead of the stated customary altitudes. Replace “3000 ft” with “900 m.”

Table 441-3— AC live work minimum approach distances for altitudes less than 900 m above sea level, where the T has been determined according to Rule 441A5^{① ②}