

Electrician

Maintenance Edits – Errata Sheet 2026

Revisions are organized by **module**, **page**, **change type** and **change made** for quick reference.

Notice: All reasonable efforts have been made to ensure that this document is accurate, reliable, and free from error; however, there may be instances where information contained herein is not error-free.

Program	Electrician	Jump to Period:
Period(s)	Periods 1-4	→ Period 1: 23 Changes
Guide Alignment	Apprenticeship and Industry Training (AIT)	→ Period 2: 30 Changes
Total Revisions	122 changes across 58 modules	→ Period 3: 24 Changes
Revision Date	July 15, 2026	→ Period 4: 45 Changes

Change Type Legend

Change Type	Meaning
Assessment	A self-test item, question, answer key, or related term was corrected.
Calculation Correction	A numeric conversion or calculation was corrected.
Compliance	Content was revised to better reflect applicable standards or industry practice.
Content Clarification	Wording or explanation was revised for accuracy, clarity, or consistency.
Figure Update	An image or figure was updated for clarity or relevance.
Formatting	Content formatting was revised for accuracy or consistency.
Scope	Content was added, removed, or adjusted to better fit trade training.
Terminology	A term was replaced, clarified, or made consistent.

Period 1: 23 Changes

030101b - Climbing, Lifting, Rigging and Hoisting		
Page(s)	Change Type	Changes Made
38	Content Clarification	Updated portable ladder wording in bullet 6, aligning with Alberta OHS legislation.

030101e - Electrical Safety		
Page(s)	Change Type	Changes Made
33	Compliance	Corrected the electrical footwear rating to 18 kV, not 18,000 kV.

030102c - Parallel Resistive Circuits		
Page(s)	Change Type	Changes Made
7	Calculation Correction	Corrected the reciprocal calculation in Example 2.1 so the expression shows $1/R_t = 0.25/1$.

030102d - Series-Parallel Resistive Circuits		
Page(s)	Change Type	Changes Made
32	Calculation Correction	Corrected the formula for an alternative way to solve Load 3 to $V_{load3} = V_{load2} - V_{R3} - V_{R4}$.
50	Calculation Correction	Corrected Self-Test, question 3 (d) answer key to 28.650 V, not 28.636 V.

030102e - Edison 3-Wire Distribution Systems		
Page(s)	Change Type	Changes Made
15	Calculation Correction	Corrected the first calculation in Step 3 to $18\text{ A} \times 0.1\ \Omega = 1.8\text{ V}$, not $18\text{ A} \times 10\ \Omega$.
44	Formatting	Corrected the numbering formatting of Objective Three Activity, question 2, so the question containing Figure 53 is identified as the main question.
54	Assessment	Corrected Self-Test, question 6 (b) answer key to 11 A, not 1 A.

030102f - Work, Energy, Power, and Efficiency		
Page(s)	Change Type	Changes Made
32, 36	Assessment	Corrected units in Self-Test, question 5 answer options to A, not W, for current values.

030103a - Methods of Producing emf		
Page(s)	Change Type	Changes Made
12	Terminology	Corrected Figure 8 wording in the crystalline silicon description to "wafer," not "water."
14, 25	Assessment	Revised Objective Four Activity, question 3 answer options to remove "Ultra-pure" from wording.
030103b - Cells and Batteries		
Page(s)	Change Type	Changes Made
29	Compliance	Updated Figure 15 to align with 2024 CE Code requirements.
030103c - Photovoltaic		
Page(s)	Change Type	Changes Made
15	Assessment	Changed Objective Two Activity, question 3 wording to address the main advantage of a hybrid PV system compared to a utility-interactive system.
19, 22	Assessment	Revised Self-Test, question 7 wording to ask for two answers, and updated answer key to include correct answers.
20, 22	Assessment	Corrected Self-Test, question 15 (c) to reflect that the major benefit of a storage battery system is to ensure that excess energy is stored as a backup supply.
22	Assessment	Corrected Self-Test, question 9 answer key to (c) 25%, not (d) 20%.
030103d - Generators		
Page(s)	Change Type	Changes Made
44	Assessment	Corrected Self-Test, question 6 answer options.
030104h - Alarm and Detection Systems		
Page(s)	Change Type	Changes Made
25	Compliance	Added Rule 32-100 (1) reference for copper conductors supplying smoke alarms, under the Wiring Methods section.
030105a - Using the Canadian Electrical Code		
Page(s)	Change Type	Changes Made
34	Compliance	Corrected Objective Five Activity, question 7 answer key to cite Rule 12-936, not Rule 12-1402.

030105c - Conductor Material and Sizes		
Page(s)	Change Type	Changes Made
37	Assessment	Corrected Self-Test, question 2 to ask about the primary function of a sheath, not a jacket.

030105f - Wiring Methods		
Page(s)	Change Type	Changes Made
49	Compliance	Corrected the Appendix B table reference to Table B12-4, not Table B12-2.
67	Assessment	Corrected Objective Five Activity, question 4 answer key to Rule 12-614, not Rule 12-615.
68	Assessment	Corrected Objective Six Activity, question 8, Table 6A answer key to equal 156 mm ² , not 178 mm ² .

Period 2: 30 Changes

030201a - Fundamentals of Alternating Current		
Page(s)	Change Type	Changes Made
19	Calculation Correction	Corrected the Table 2 voltage value to 169.7 V, not 1697 V.
21	Assessment	Corrected Objective Three Activity, question 6, to reference an angle of 196°, not 198°.
24	Assessment	Revised Objective Two Activity, question 5 answer explanation to account for two mechanical rotations.

030201c - Inductors and Capacitors in Circuits		
Page(s)	Change Type	Changes Made
33	Assessment	Revised Objective Seven, question 3, to refer to a purely capacitive circuit, not a purely inductive circuit, aligning the question with the objective and answer key.

030201d - Principles of ac Circuits		
Page(s)	Change Type	Changes Made
48	Calculation Correction	Corrected Table 7 entry to $I_T = 55.86 \text{ A @ } 356.3^\circ$, not $I_T = 55.86 \text{ A @ } 346.3 \text{ A}$.
56	Assessment	Corrected Objective Three Activity, question 3 answer calculations.

030201e - Power Relationships		
Page(s)	Change Type	Changes Made
32	Assessment	Corrected and simplified Objective Three Activity answer for question 4.

030201e - Power Relationships		
Page(s)	Change Type	Changes Made
34	Assessment	Corrected Self-Test, question 3 answer key to (a) quadrature power, not (b) apparent power.

030202a - Series ac Circuits		
Page(s)	Change Type	Changes Made
23	Calculation Correction	Corrected Example 3.2, Figure 16 value to $X_{c2} = 30 \Omega$ to match the solution.
24	Calculation Correction	Corrected Example 3.3 solution phrasing to include a source frequency of 60 Hz.
42	Calculation Correction	Corrected Appendix, Table 3, to show that capacitors in series add inversely.

030202b - Series RLC Circuits		
Page(s)	Change Type	Changes Made
38	Calculation Correction	Corrected the Example 3.1 solution for the circuit phase angle formula.

030202d - Parallel RLC Circuits		
Page(s)	Change Type	Changes Made
10	Calculation Correction	Corrected the Apparent Power formula to 480 W, not 480 var, to show power in watts.

030203a - Heating and Cooling Systems		
Page(s)	Change Type	Changes Made
41	Assessment	Added additional reasoning to Section Two Activity, answer 3, to explain why all devices listed are solid state devices.

030203b - Forced-Air Heating Systems		
Page(s)	Change Type	Changes Made
49	Assessment	Revised Objective Four Activity, question 1, to change "combustion air blower" to "main air blower."

030205b - Electrical Space Heating and Cooling		
Page(s)	Change Type	Changes Made
17	Compliance, Assessment	Revised Objective Two Activity, answer 1, to incorporate Rule 62-118 heating demand calculations and correct the service demand determination to include the air-conditioning load.

030205c - Service Ampacity for Apartments and Similar Buildings

Page(s)	Change Type	Changes Made
11	Compliance	Corrected the Step 8 rule reference to Rule 8-202, not Rule 802.
16	Calculation Correction	Corrected the Example 3.1 solution to reference 114 mm ² for the Table 6A area value.
20	Compliance	Revised Example 4.2 solution, Step 1, demand-factor reference to Rule 62-118, not Rule 62-116.
46	Formatting	Removed the stray "7" from Objective Three Activity, answer 3, after "27 trade size rigid PVC."

030205e - Capacitor Bank Installations

Page(s)	Change Type	Changes Made
26	Calculation Correction	Corrected the value in the last line of Step 3 to 23.2 A, not 23.8 A.
34	Assessment	Corrected Self-Test, question 3 answer key to (c) No. 6 AWG, not (b) No. 4 AWG.

030205f - Pools, Mobile Homes, and Temporary Wiring

Page(s)	Change Type	Changes Made
13, 32	Compliance	Revised Objective One Activity, question 7, and its corresponding answer to correct the equipotential bonding method and installation requirements for the in-ground hot tub example.
20	Compliance	Corrected the receptacle value in the Example 2.2 Solution, first bullet, to 14-50R, not 6-50R.
21	Compliance	Corrected the second rule reference to Rule 72-102 5) b), not Rule 72102 5) c), and adjusted the related sentence accordingly.

030205g - Electrical Installations in Patient Care Areas

Page(s)	Change Type	Changes Made
22	Compliance, Assessment	Corrected Objective Two Activity, question 6 answer key to Rule 24-108 6), not Rule 24-106 6).
12, 22	Compliance, Assessment	Revised the wording of Objective Two Activity, question 7, and changed the answer key to Rule 24-206 2), not Rule 24-104 2).
12, 23	Compliance, Assessment	Revised the wording of Objective Two Activity, question 8, and changed the answer key to Rule 24-108, Appendix B, Table 5, not Rule 24-106 1), Appendix B.

030205h - Class 1 and Class 2 Circuits

Page(s)	Change Type	Changes Made
18	Compliance	Corrected Self-Test, question 3 answer key to (a) No. 18 AWG copper, not (d) No. 16 AWG copper.

030205j - Drawings and Plans		
Page(s)	Change Type	Changes Made
42	Assessment	Corrected Objective Three Activity, question 2 (a) answer key to reference “panel mounted,” not “locally mounted.”

Period 3: 24 Changes

030301b - Three-Phase Wye Connection		
Page(s)	Change Type	Changes Made
10	Calculation Correction	Corrected the Figure 9 phasor label to V_{bn} @ 240° , not V_{nb} @ 240° .

030301d - Three-Phase Delta Wye Connection		
Page(s)	Change Type	Changes Made
12	Calculation Correction	Corrected the Delta-Connected Motor in Figure 9 to show $pf = 0.707$, not $pf = 0.766$.

030301e - Three-Phase Power Analysis		
Page(s)	Change Type	Changes Made
57	Calculation Correction	Corrected Objective One Activity, question 5 (d) answer key to use $\cos(\theta)$, not $\sin(\theta)$.

030301f - Three-Phase Power Factor Correction		
Page(s)	Change Type	Changes Made
17	Calculation Correction	Corrected the reactive power calculation answer in Table 2, Step 1 to 542.4 var or 0.5424 kvar, not 524.4 var or 524.4 kvar.
36	Formatting	Removed the extra “to” in the first sentence of the Example 5.5 solution.
43	Assessment	Corrected Objective Five Activity, question 4 (a) to calculate the reactive power of the synchronous motor, not the apparent power.

030302a - Three-Phase Induction Motors		
Page(s)	Change Type	Changes Made
39	Content Clarification	Changed first bullet wording to read “Motors with a service factor 1.15 or greater...”
49	Assessment	Corrected Objective Four Activity, question 9 answer key to (a) Non-drive end, not (b) Drive end.

030302b - Operation of Three-Phase Induction Motors

Page(s)	Change Type	Changes Made
48	Assessment	Corrected Objective Six Activity, question 1 answer key to (b) Slip rings, not (a) Brushes.
49	Assessment	Corrected Self-Test, question 14 answer key to (c) Design C, not (d) Design D.

030302c - Three-Phase Motors and Starters

Page(s)	Change Type	Changes Made
23	Content Clarification	Changed “conducts” to “conductors” in first paragraph.
34	Assessment	Corrected Self-Test, question 9 answer key to (b) The control coil windings are open, not (a) The circuit is energized.

030302d - Variable Frequency Drives

Page(s)	Change Type	Changes Made
22	Compliance	Corrected the insulation rating to read 1600 V to 2200 V, not 1488 V, in the Inverter-Duty Motors paragraph.

030302f - Alternators

Page(s)	Change Type	Changes Made
54	Content Clarification	Corrected “needed” to “needle” in last paragraph.
72	Assessment	Corrected Objective Four Activity, question 6 answer key to (d) Result D, not (b) Result D.

030303a - Transformer Characteristics

Page(s)	Change Type	Changes Made
57	Assessment	Corrected Objective Five Activity, question 1 (a–e) answer key, adding + / - to percentages.

030304c - Capacitor and Transformer Installations

Page(s)	Change Type	Changes Made
62	Assessment	Corrected voltage in Objective Three Activity, question 6 answer key calculation to 208 V, not 240 V.
62	Assessment	Corrected voltage in Objective Three Activity, question 7 answer key calculation to 600 V, not 240 V.
66	Assessment	Corrected Self-Test, question 11 answer key to (c) 1000 kcmil, not (d) 1000 kcmil.

030304d - Substation and Submersible Pump Installations		
Page(s)	Change Type	Changes Made
16	Assessment	Corrected Self-Test, question 3 wording to ask for maximum spacing allowed, not minimum.

030304e - Individual Motors		
Page(s)	Change Type	Changes Made
25	Compliance	Corrected the copper tap conductor reference in Objective Three Activity, question 5 to RW90, not RW909.
26	Assessment	Revised Objective Three Activity, question 6 to ask for a rule, subrule, and table only, not an item.
44	Compliance, Assessment	Corrected Objective Three Activity, question 6 answer key to reference Rule 28-106 2), not Rule 28-106 1) 2).
Throughout	Terminology	Removed generic uses of "hermetic" to align with code language.

Period 4: 45 Changes

030401c - Controls and Switching Circuits		
Page(s)	Change Type	Changes Made
31	Assessment, Figure Update	Changed Objective Three Activity, question 4, Figure 27 timing under the contacts to match Figure 33 in the answer key.

030401eA - Pneumatic and Hydraulic System Controls: Part A		
Page(s)	Change Type	Changes Made
13	Calculation Correction	Corrected the first paragraph, Figure 8 and calculation to specify 9.81 N of force, not 9.80 N.

030401eB - Pneumatic and Hydraulic System Controls: Part B		
Page(s)	Change Type	Changes Made
11	Terminology	Corrected the valve designation in the paragraph above Figure 15 to (4/2) DCV, not (2/2) DCV, to match the figure.
11	Figure Update	Corrected the Figure 15 description to start with "Four-way/two-position (4/2) DCV," not "Two-way/two-position (2/2) DCV."
12	Figure Update	Corrected the Figure 16 description to start with "Four-way/two-position (4/2) DCV," not "Two-way/two-position (2/2) DCV."
12	Figure Update	Corrected the Figure 17 description to start with "Four-way/two-position (4/2) DCV," not "Two-way/two-position (2/2) DCV."

030401eB - Pneumatic and Hydraulic System Controls: Part B

Page(s)	Change Type	Changes Made
12	Content Clarification	Changed figure reference in last paragraph to Figure 18, not Figure 17.
32	Terminology	Changed the valve designation in the second paragraph and caption to 5/2 DCV, not 5/3 DCV.
33	Terminology	Corrected the valve designation in the Figure 52 caption to 5/2, not 5/3.
64	Content Clarification	Corrected the error formula to Error = Process Value – Setpoint, not Error = Setpoint – Process Value.
75	Assessment	Corrected Self-Test, question 16 answer key to (b) 6.67 mA, not (d) 6.67 mA.

030404aB - Rectifiers: Part B

Page(s)	Change Type	Changes Made
9	Calculation Correction	Changed the voltage in Table 4, Method 1 and 2, to 169.7 V, not 168.7 V.
21	Calculation Correction	Corrected the Load and Diode Currents formula result to 28.075 A, not 280.075 A.

030404c - Controlled Rectifiers

Page(s)	Change Type	Changes Made
6	Content Clarification	Corrected the first sentence under Triggering an SCR to state that both conditions must be met.
8	Content Clarification	Corrected the figure reference in the Exceeding Breakover Voltage to Figure 10, not Figure 8.
75, 78	Assessment	Removed Self-Test, question 16 due to code changes.

030404e - Uninterruptible Power Supply System

Page(s)	Change Type	Changes Made
38	Compliance	Revised the second sentence of the second paragraph to change the recommended output of a UPS to be 20 to 30% larger, not 125% greater.
46	Content Clarification	Corrected spelling error in second bullet to "Face shield," not "Facesheid."
49	Content Clarification	Corrected spelling error in first paragraph to "boundaries," not "boundries."
49	Content Clarification	Corrected spelling error in last paragraph to "personnel," not "personel."
50	Content Clarification	Corrected spelling error in first paragraph to "boundaries," not "boundries."

030404e - Uninterruptible Power Supply System

Page(s)	Change Type	Changes Made
50	Calculation Correction	Corrected the nominal voltage in Table 3 to ≤ 60 V dc, not ≤ 30 V ac.
51	Content Clarification	Corrected spelling error in first paragraph to "boundary," not "boundry."

030404f - Electronic Applications of Variable Frequency Drives

Page(s)	Change Type	Changes Made
33	Assessment	Corrected Self-Test, question 1 answer key to (b), not (c).

030404h - Renewable Energy Systems

Page(s)	Change Type	Changes Made
61	Assessment, Figure Update	Corrected the Main Service Disconnect in Figure 48 to read 200 A, not 300 A.

030405a - Conductors

Page(s)	Change Type	Changes Made
19	Compliance	Revised the last sentence of paragraph three to clarify that the manufacturer should be consulted to determine the derating factor.
27	Calculation Correction	Corrected the load in the first paragraph of Example 4.5 to 10 A, not 12 A.
32	Calculation Correction	Corrected the load in Example 4.8, Step 3 formula to 63 A, not 60 A.
33	Content Clarification	Changed "raceway" to "cable" in the first paragraph of Example 4.9.
35	Calculation Correction	Corrected Example 4.10, Step 3 to reference an ampacity of 20 A for No. 12 AWG conductors, not 30 A for No. 10 AWG conductors.
36	Calculation Correction	Corrected the maximum distance in Example 4.10, Step 6, to 18.225 m, not 15.029 m.
40	Assessment	Corrected Objective One Activity, question 1 answer key to reference Table 3, not Table 2.
40	Assessment	Corrected Objective One Activity, question 2 answer key to reference Rule 4-006 2) and Table 2 (60 °C column), not Rule 4-006 1) and Table 2 (75 °C column).

030405b - Grounding and Bonding and Distribution Layout

Page(s)	Change Type	Changes Made
23	Compliance	Changed the rule reference in the last bullet of Solution 2.1 to Rule 10-708 1), not Rule 10-708.

030405b - Grounding and Bonding and Distribution Layout

Page(s)	Change Type	Changes Made
29	Compliance	Added a reference to Subrule 1) for Rule 10-708 in paragraph one.

030405d - Communication Systems and Cabling

Page(s)	Change Type	Changes Made
1	Compliance	Corrected the standard reference in the first bullet under the Resources section to ANSI/TIA-568, not ANSI/TIA-568-D.
5	Compliance	Corrected the standard reference in the second last paragraph to ANSI/TIA-568, not ANSI/TIA-568-D.
37	Compliance	Corrected the standard reference in Objective Two Activity, question 4 answer key to ANSI/TIA-568, not ANSI/TIA-568-D.

030405e - Electric Welders

Page(s)	Change Type	Changes Made
13	Compliance	Corrected the second rule reference in the Feeder Overcurrent Protection section to Rule 42-006 1), not Rule 42-006 2).

030405i - Flammable Gas Locations

Page(s)	Change Type	Changes Made
32	Compliance	Corrected Objective Six Activity, question 3 answer key to reference Rule 20-402, Subrule 5), not Rule 20-404, Subrule 5).
32	Compliance	Corrected Objective Six Activity, question 4 answer key to reference Rule 20-402, Subrule 4), not Rule 20-402, Subrule 2).

030405j - Corrosive and Wet Locations

Page(s)	Change Type	Changes Made
15	Content Clarification	Corrected the NMW and NMWU cable description to state that it is an acceptable non-metallic-sheathed cable for use in Category 1 or 2 locations.
15	Content Clarification	Revised the Rule 22-808 3) mechanical-protection list to clarify the conditions under which non-metallic-sheathed cable requires protection.
15	Compliance	Revised the aluminum-conductor exception to reference Rule 22-808 2) and clarify that feeders supplying panelboards must be installed in accordance with Rule 22-806 3).

030405k - Occupational Applications

Page(s)	Change Type	Changes Made
7	Content Clarification	Added “not” to “does not exceed 80% ampacity” in the Minimum Conductor Ampacity section.