FREE PRACTICE QUESTIONS · FIELD SAFETY REPRESENTATIVE · BC

TEN FREE FIELD SAFETY REPRESENTATIVE (BC FSR) EXAM PRACTICE QUESTIONS.

Edited by Trevor Mulder · Sources: BC statutes, TSBC notices, CEC Rule numbers · Last checked November 13, 2026

Ten practice questions for the BC electrical Field Safety Representative (FSR) certificate of qualification exam, each with four options and one correct answer. Technical Safety BC sets and delivers the exam. Classes A, B and C each have 60 multiple-choice questions in 3.5 hours, open book, with a pass mark of 70 per cent. These are original questions written by TicketPrep from the BC statutes, the Technical Safety BC directives and bulletins and the Canadian Electrical Code Rule numbers; none of them comes from the exam. They are free to use, print and share. There is nothing to sign up for on this page.

01 How to use these

Technical Safety BC says each exam has a 35 per cent focus on the Act, Regulations and Directives and a 65 per cent focus on the Code, and publishes nothing finer than that. The TicketPrep bank splits the exam into four units of our own: Unit A (the Safety Standards Act and the Safety Standards General Regulation) and Unit B (the Electrical Safety Regulation and the Technical Safety BC directives and bulletins) for the Acts, Regulations and Directives, Unit C (code rules) and Unit D (code calculations) for the Code. Four of the ten are Acts, Regulations and Directives questions, two each from Units A and B, and six are code questions, three each from Units C and D, each on a different one of our objectives. One of the ten is a calculation. Answer each one before opening the explanation. Every explanation covers all four options, because knowing *why* a wrong answer is wrong is most of the skill.

- **Pace.** 60 questions in 3.5 hours is 3.5 minutes a question. Try these at that pace, with the books open.
- **Books.** The exam is open book. You bring the current Canadian Electrical Code, Part I (the 2024 edition has been the B.C. Electrical Code since March 4, 2025); the CEC Handbook and pocket references are not allowed, and pages with handwritten formulas or worked examples must come out. Technical Safety BC supplies online links to the Safety Standards Act, the two regulations and its directives and bulletins during the exam. The questions cite the section, Rule or notice they rest on, so you can practise finding it.
- **Class.** These ten follow the Class B and Class C scope, which is the whole code except Section 36. Class A adds Section 36 (high voltage) and CSA C22.3 No. 1, Overhead Systems.
- **Print.** The printed version shows the questions and the answer key without the explanations, so it works as a handout. The explanations are on the web page.
- **Mark.** The pass mark is 70 per cent of the whole exam, and Technical Safety BC sets no separate minimum for either part, so the code questions, about two thirds of the marks, decide most results.

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02 The questions

Q1 · PROCEDURAL · ACTS, REGULATIONS AND DIRECTIVES · UNIT A SAFETY STANDARDS ACT AND GENERAL REGULATION

A safety officer issues an installation permit to a licensed electrical contractor for a winery's new pump-house wiring, but attaches a term the contractor did not ask for. The contractor asks for written notice of that decision. Under SSA s.27, what must the notice state?

A. the reasons, and the right to seek a safety manager's review in writing or to appeal to the appeal board

B. the reasons, and the right to appeal to the appeal board only, with no review by a safety manager first

C. the reasons, and the right to ask a safety manager for a review, whose decision is then final and binding

D. the reasons, and the right to apply to the Supreme Court for an order cancelling the unrequested term

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Q2 · CRITICAL · ACTS, REGULATIONS AND DIRECTIVES · UNIT A SAFETY STANDARDS ACT AND GENERAL REGULATION

On a Sunday night after a windstorm, a safety officer finds that a vacant house awaiting demolition has a torn service mast with live conductors hanging near a public sidewalk. The owner cannot be reached, and no contractor or other person is available to act. Under SSA s.18(4), what may the safety officer do?

A. Recommend that a provincial safety manager issue a safety order at once

B. Issue a compliance order to the owner and wait for the owner to comply

C. Take the needed action and issue a safety order a manager could make

D. Note the hazard and ask a safety manager to authorize emergency action

Q3 · RECALL · ACTS, REGULATIONS AND DIRECTIVES · UNIT B ELECTRICAL SAFETY REGULATION, DIRECTIVES AND BULLETINS

ESR s.6 limits who is eligible to apply for an FSR certificate of qualification. Which of these individuals is eligible to apply on the basis described?

A. a gas fitter who holds a Gas Safety Regulation certificate and wires furnace controls

B. an employee trained in an employer program that a provincial safety manager approved

C. a manufacturer's technical representative with ten years on its own company's switchgear

D. a homeowner who has wired two of his own fully detached houses under homeowner permits

Q4 · PROCEDURAL · ACTS, REGULATIONS AND DIRECTIVES · UNIT B ELECTRICAL SAFETY REGULATION, DIRECTIVES AND BULLETINS

Updating a contractor's incident procedure, an FSR finds two TSBC electrical notices on incident reporting: the directive D-E3 070115 1, now marked rescinded, and the information bulletin IB-EL 2017-03. Which should the procedure follow, and with what standing?

A. The bulletin, as TSBC's guidance on the Act's reporting duty

B. The directive, as a binding interpretation under SSA s.30

C. Both, with the directive binding and the bulletin only advisory

D. The directive, until a safety order is issued to replace it

Q5 · PROCEDURAL · CODE · UNIT C BC ELECTRICAL CODE RULES

At a house, the crew makes the grounding-conductor connection to the neutral in the meter base and leaves the system bonding jumper in the service box of the combination panel. Per TSBC's bulletin IB-EL 2023-04, is this acceptable?

A. Yes, if the meter-base neutral is kept isolated

B. Yes; Rule 10-210 asks only for one grounding point

C. No; both connections belong in the same enclosure

D. No; both must be made at the meter base

Q6 · RECALL · CODE · UNIT C BC ELECTRICAL CODE RULES

A Class C FSR is running a 120/240 V feeder from a house's main panelboard to a panelboard in a detached workshop. The house's service conductors have an ampacity of 100 A. Working from the Sections for the workshop's equipment, the designer arrives at feeder conductors of 110 A ampacity. Under Rule 8-106 7), what does the feeder need?

A. Conductors that need not exceed the 100 A ampacity of the service conductors

B. Conductors of at least 110 A, since the equipment Sections always govern feeders

C. Conductors of at least 110 A, plus a 25 % margin for future workshop load

D. Conductors that need not exceed 80 % of the service conductors' ampacity, 80 A

Q7 · CRITICAL · CODE · UNIT C BC ELECTRICAL CODE RULES

A house is subdivided into a main unit and a separately metered suite, each with its own panelboard. To shorten the runs, both panels go in the main unit's attached garage, which the suite tenant has no right to enter. Under IB-EL 2023-03, how should the FSR treat the suite panel's location?

A. Compliant, as the owner can reach both panels in the garage

B. Non-compliant unless the garage is a common area open to both parties

C. Compliant, if the suite panel's top breaker handle is no higher than 1.7 m

D. Compliant, if the suite panel is labelled as serving the suite

Q8 · RECALL · CODE · UNIT D BC ELECTRICAL CODE CALCULATIONS

A 120/240 V, 125 A feeder supplies the glycol chiller panel of a craft brewery. The chiller compressors cycle on and off all day, and the FSR has no run-time records. How must Rule 8-104 treat the feeder's calculated load?

A. As continuous, unless records show it meets the run-time test

B. As non-continuous, since cycling loads never run steadily

C. As continuous, but only for the part above 100 A

D. As non-continuous, since only loads over 225 A can be continuous

Q9 · RECALL · CODE · UNIT D BC ELECTRICAL CODE CALCULATIONS

An FSR's crew will pull a feeder together with a bare copper bonding conductor into rigid PVC conduit. Under Rule 12-910, how is the bare bonding conductor treated in the conduit-fill check?

A. It is left out, as bonding conductors are never counted

B. Its area, from Table D5 or measured, is added to the fill

C. It is added at the area of an insulated conductor of its size

D. It counts toward the number of conductors but adds no area

Q10 · CALCULATION · CODE · UNIT D BC ELECTRICAL CODE CALCULATIONS

At a lakeside RV park, one lot's pedestal has a TT-30R, a 5-20R and a 5-15R receptacle, and no other loads serve the lot. What load does Rule 72-102 assign to that lot for the service calculation?

A. 2880 W

B. 3600 W

C. 7200 W

D. 7800 W

03 Answer key

QUESTION	ANSWER	OUR UNIT
Q1	A	Unit A Safety Standards Act and General Regulation
Q2	C	Unit A Safety Standards Act and General Regulation
Q3	B	Unit B Electrical Safety Regulation, Directives and Bulletins
Q4	A	Unit B Electrical Safety Regulation, Directives and Bulletins

QUESTION	ANSWER	OUR UNIT
Q5	C	Unit C BC Electrical Code Rules
Q6	A	Unit C BC Electrical Code Rules
Q7	B	Unit C BC Electrical Code Rules
Q8	A	Unit D BC Electrical Code Calculations
Q9	B	Unit D BC Electrical Code Calculations
Q10	B	Unit D BC Electrical Code Calculations

04 More free questions

For the exam itself, the BC FSR exam guide covers the classes, the format, the 35 / 65 split, the books you may use, booking and the fees; how to become a Field Safety Representative in BC covers who may write and what the certificate lets you do; and the BC FSR practice exam page has five more sample questions and describes the full TicketPrep bank. Each of our four units also has eight free questions of its own: Unit A Safety Standards Act and General Regulation, Unit B Electrical Safety Regulation, Directives and Bulletins, Unit C BC Electrical Code Rules, Unit D BC Electrical Code Calculations. The same free format covers the Alberta and Ontario Master Electrician exams and the 309A Construction Electrician trade too.

BC FSR
BC FSR practice exam: five more questions

AB ME
Alberta Master Electrician questions

ON ME
Ontario Master Electrician questions

309A
Construction Electrician questions

HUB
All free practice questions

GUIDES
Exam guides and tools

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