

## Inspection and Technical Services

### Limited Specialized Trade Electrician's Exam Syllabus Voice Data Video

ITS CS Guide 09

There are 65 multiple choice questions on the Limited Specialized Trade Electricians' Voice, Data and Video Exam. You will have 3.5 hours to complete the exam. The pass mark is 70%.

**The Limited Specialized Trade Electricians' Voice, Data and Video Exam may test your knowledge in the following areas:**

- C 22.1 - 2018 Canadian Electrical Code: Section # 0, 2, 4, 10, 12, 16, 54, 56, 60
- Voice, Data and Video installation methods, definitions and materials (as referenced from Data, Voice, and Data Video Cabling, 3<sup>rd</sup> edition)
- Alarm system installation methods and materials (as referenced from Understanding and Servicing Alarm Systems, 3<sup>rd</sup> Edition)
- Intrusion alarm installation methods, definitions and materials (as referenced from CAN/ULC-S302-14)
- Manitoba Workplace Safety and Health Regulation (2015 edition): Part # 6, 13, 14, 15, 38
- Scope of an M-V Licence holder (Voice, Data, and Video) as described in **ITS 21-036 – Electrical Licences**
- Electrical Theory (as referenced from Delmar's Standard Textbook of Electricity, 7<sup>th</sup> Edition):
  - Ohm's Law Calculations (formula will be provided at the exam)
  - Series/Parallel Circuits
  - Electrical Measuring Terms
  - D.C. and A.C. Electrical Fundamentals
  - Electrical Measuring Instruments

**To write this exam you are required to bring a non-programmable calculator, pencil (HB or #2 only). You will be supplied with the following reference materials on the day of the exam:**

- C 22.1 Canadian Electrical Code - 2018 edition
- Manitoba Workplace Safety and Health Regulation (2015 edition)

