

Required Knowledge & Activity Sponsor Checklist

The Applicant's Sponsor is to complete the checklist to confirm that the technician has satisfactorily demonstrated sufficient knowledge and experience in ALL items listed below.

PLEASE CHECK OFF EACH ITEM WITH A CHECK MARK ✓

KNOWLEDGE

Applicant Understands:

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| | 1. Standards: CAN/ULC S524 - Standard for the Installation of Fire Alarm Systems
CAN/ULC S536 - Standard for the Inspection and Testing of Fire Alarm Systems
CAN/ULC S537 - Standard for the Verification of Fire Alarm Systems |
| | 2. The Checklist in the appendix of CAN/ULC S536 and the meaning and test for each of the items |
| | 3. Fire alarm signaling operations (i.e. single-stage, two-stage and modified two-stage systems) |
| | 4. Function, location, mounting, operation, spacing, inspection and test requirements for the various device types (i.e. initiating and signaling) |
| | 5. The advantages, disadvantages and problems encountered with each type of device |
| | 6. Electrical supervision, "T" tap connections, end of line devices, and Class A and Class B circuits |
| | 7. Fire alarm annunciators, control units and Central Alarm and Control Facilities (CACF), Voice communication (Paging and Firefighter telephone) system operation |
| | 8. Intelligent devices, and distributed/multiplexing wiring methods and techniques |
| | 9. The concepts of input/output circuit programming and the scope and limitations of various software programming and access levels |
| | 10. Basic electricity and electronics including AC and DC circuits, open circuits, short circuits, Ohms Law and power calculations |
| | 11. In detail the unique requirements of the applicable provincial building code, fire code and electrical code |

ACTIVITY

Applicant has verified the following skills:

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| | 12. Ability to test, inspect and operate various types of initiating devices: single and two-stage manual pull stations, heat detectors, smoke detectors, sprinkler system interface devices (incl. standpipe), ancillary circuits (i.e. HVAC, elevator recall, electromagnetic locking devices, magnetic door hold-open devices, monitoring and extinguishment system) and signaling devices. |
| | 13. A demonstrated awareness and use of Fire Safety Plans for alternative procedures during fire alarm repairs or testing. |
| | 14. Replace field devices (such as manual pull stations, detectors and signals) with comparable type |
| | 15. Replace parts with identical/comparable replacements per manufacturer's literature |
| | 16. Battery and charger cleaning, maintenance, adjustments and testing per manufacturer's literature |
| | 17. Complete documentation of inspection, conducted by Applicant, as required by ULC S536 |
| | 18. Test and verify field devices (such as manual pull stations, detectors and signals), relocated within the same zone |
| | 19. Test smoke detector sensitivity and cleaning of smoke detectors |
| | 20. Measure audibility of signaling devices (i.e. bells, horns, loudspeakers and temporal pattern devices) |
| | 21. Perform a dB calculation for a space |
| | 22. Test standby power supplies |
| | 23. Use of proper personnel electrical safety procedures |
| | 24. Locate opens, shorts and grounds through proper troubleshooting techniques |
| | 25. Prepare a detailed riser diagram for a multi-zone fire alarm system |
| | 26. Demonstrate proper soldering techniques |
| | 27. Demonstrate the proper use of meters for resistance, voltage and current measurement |

Sponsor Signature

Date