

FOR OWNERS OF COMMERCIAL BUILDINGS

Code Requirements for Functional Testing

Monthly	
Fire Alarm System CAN / ULC-S536	While on Emergency Power One Initiating Field Device - Rotational Basis Confirm Alert and Alarm Signal - Rotational Basis Confirm Annunciation of Tested Device Operation of Common Audible / Visual Trouble Signals Alarm Transmission to Receiving Centre Emergency Telephone Tested - Rotational Basis Voice Paging Tested - Rotational Basis
Portable Fire Extinguishers NFPA 10	Ensure in proper operating condition Safety seals, tags, pressure gauge readings, HMIS Label
Emergency Lights NFPA 101	30 seconds quick check and battery check
Fire Pump NFPA 25	Weekly system procedures Electric 10 minutes / Diesel 30 minutes

Quarterly	
Sprinklers NFPA 25	Mechanical Water Flow Devices Valves, Valve Components Main Drain (with Backflow Device) Low Air Pressure Alarms Quick Opening Devices Priming Water

Semi-Annually	
Hood Suppression NFPA 17A	All Kitchen Suppression Systems
Sprinklers NFPA 25	Valve Supervisory Devices

Annually	
Portable Fire Extinguishers NFPA 10	Conductivity test of all carbon dioxide hose assemblies. Ensure in proper operating condition. Safety seals, tags, pressure gauge reading, HMIS table. Empty and recharge all stored pressure loaded stream fire extinguishers.
Fire Alarm System CAN / ULC-S536	Documentation for all tests complete on Annual Report All Field devices to be tested One device in each input circuit to confirm appropriate output operation Control Unit and Transponder Tests Voice Communication Tests Power Supply Tests - Batteries, Emergency Generator Remote Annunciator Tests Display and Control Centre Tests including Printers Data Communication Link Tests Signal Device Tests Emergency Telephone Tests End of Line Device Tests
Sprinklers NFPA 25	Main Drain Anti-freeze Solution Valves, Valve Components Pressure Reducing Valves / Relief Valves (part flow) Master Pressure Reducing Valves (full-flow) Control Valves Dry System, Partial Trip Test Deluge, Preaction Full Trip Test Air Maintenance Device Backflow Prevention Assemblies Full Forward Flow Test Standpipe Main Drain Test Hose Valves Valves (all types) Private Fire Service Mains Monitor Nozzles Hydrants Fire Pump System Full Flow Alarm Signals Annual Maintenance

3 Year Interval	
Sprinklers NFPA 25	Dry System Full Flow Trip Test Dry System Air Leakage

5 Year Interval	
Portable Fire Extinguishers NFPA 10	Hydrostatic testing of Carbon Dioxide, wet chemical / foam Dry System Air Leakage Fire Extinguishers Hydrostatic testing of cartridges associated with portable fire extinguishers and wheeled units Hydrostatic testing of Carbon Dioxide hoses equipped with a shut-off valve
Sprinklers NFPA 25	Gauges (Test or Replace) Sprinklers - Extra-high Temperature / Corrosive Atmosphere Fire Department Connections Hydrostatic Test Siamese Connections Standpipe - Full Flow Test Remote Point Hose Connection Pressure Reducing Valves (full flow) Hydrostatic Test Manual / Dry Standpipes 5 Year Test for new hoses and every 3 years thereafter Valves, Valve Components Pressure Reducing Valves / Relief Valves (full flow) Private Fire Service Mains Full Flow Test

6 Year Test	
Portable Fire Extinguishers NFPA 25	Stored-pressure extinguishers requiring 12 year hydrostatic test shall be emptied and subjected to applicable maintenance procedures.

12 Year Interval	
Portable Fire Extinguishers NFPA 10	Hydrotest of dry chemical and clean agent extinguishers Hydrotest of dry chemical hose equipped with a shut-off valve
Hood Suppression NFPA 17A	Hydrostatic Testing Cylinder Replacement of Cartridge Regulator Test Wet Chemical Containers Auxiliary Pressure Containers Hose Assemblies

10 Year Interval and Greater	
Sprinklers NFPA 25	Dry Type - At 10 years and every 10 years thereafter Quick Response - At 20 years and every 10 years thereafter Standard - At 50 years and every 10 years thereafter