

CODE REQUIREMENTS FOR FUNCTIONAL TESTING

MONTHLY

Automatic Fire Alarm Systems	Daily and Monthly Status Check Supervisory field devices, Supervisory circuits and DCL, in-and-out conductors of supervised circuits, ancillary device control circuit, one initiating field device, operation of common audible and visual trouble signals, one emergency phone, voice paging capability to one zone. Battery terminals are clean and lubricated, terminal clamps are secure, electrolyte level and specific gravity.	ULC S536
Portable Fire Extinguishers	Ensure in proper operating condition. Safety seals, tags, pressure gauge readings, HMIS Label	NFPA 10
Emergency Lights	30 seconds quick check and battery check	NFPA 101
Fire Pump	Weekly system procedures. Electric 10 min. Diesel 30 min.	NFPA 25

QUARTERLY

Sprinklers	Mechanical Water Flow Devices Valves, Valve Components Low Air Pressure Alarms Quick Opening Devices Priming Water	NFPA 25
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SEMI ANNUALLY

Hood Suppression System	All Kitchen Suppression Systems	NFPA 17A
Sprinklers	Valve Supervisory Devices	NFPA 25

ANNUALLY

Portable Fire Extinguishers	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.	NFPA 10
Automatic Fire Alarm Systems	Control Equipment: Building Systems Connected to Supervising Station Functions, Fuses, Interface Equipment, Lamps & LEDs, Primary (main) Power Supply, Transponders Batteries - Fire Alarm Systems Control Unit Trouble Signs Emergency Voice/Alarm Communications Equipment Remote Annunciators Initiating Devices Duct Smoke Detectors Electromechanical Releasing Devices Fire Extinguishing System(s) or Suppression System(s) Switches Fire Alarm Boxes (Pull Stations) Heat Detectors All Smoke Detectors - Functional Fire - Gas and other detectors Interface Equipment Special Hazard Equipment Alarm Notification Devices Audible Devices Audible Textual Notification Appliances Visible Devices Supervising Station Fire Alarm System - Transmitters DACT, DART Special Procedures	NFPA 72 ULC S536
Sprinklers	Main Drain Antifreeze 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 Monitor Nozzles Hydrants Fire Pump System Full Flow Annual Maintenance	NFPA 25

3 YEAR INTERVAL

Sprinklers	Dry System Full Flow Trip Test Dry System Air Leakage	NFPA 25
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5 YEAR INTERVAL

Portable Fire Extinguishers	Hydrostatic testing of Carbon Dioxide, wet chemical and 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	NFPA 10
Sprinklers	Gauges Sprinklers – Extra-high Temperature/Corrosive Atmosphere Fire Department Connections Hydrostatic Test Siamese Connections, in some locations (city of Pittsburgh every 3 years) Standpipe - Full Flow Test Remote Point Hose Connection Pressure Reducing Valves (full flow) Hydrostatic Test Manual/Dry Standpipes	NFPA 25
Standpipe Hoses	5 year test for new hoses and every 3 years thereafter Valves, Valve Components Pressure Reducing Valves/Relief Valves (full flow) Private Fire Service Full Flow Test	

6 YEAR TEST

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

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

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	



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