

Inspection, Testing and Maintenance Requirements and Minimum Certifications



System Inspection Type	Code Reference	Frequency	Licensing	Certification
Fire Alarm				
Fire alarm system tested and inspections performed	NFPA 72-2010; 14.4.5	Annually		
Fire alarm system testing and inspection documentation reviewed, verified and filed	NFPA 72-2010; 14.4.5	Annually		
Control Panel, Batteries and Other				
Charger test	NFPA 72-2010; 14.4.5	Annually		
Discharge test	NFPA 72-2010; 14.4.5	Annually		
Load voltage test	NFPA 72-2010; 14.4.5	Semiannually		
Smoke detector sensitivity test	NFPA 72-2010; 14.4.5	2 years		
Off-premises monitoring transmission equipment	NFPA 72-2010; 14.4.5	Annually		
Initiating Devices				
Waterflow and pressure switches	NFPA 72-2010; 14.4.5	Semiannually		
Smoke detectors (VESDA, system and stand alone)	NFPA 72-2010; 14.4.5	Annually		
Heat detectors	NFPA 72-2010; 14.4.5	Annually		
Duct detectors	NFPA 72-2010; 14.4.5	Annually		
Manual pull stations	NFPA 72-2010; 14.4.5	Annually		



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Supervisory Signal Devices				
Low air pressure switches	NFPA 72-2010; 14.4.5	Quarterly		
Low water level switches	NFPA 72-2010; 14.4.5	Quarterly		
Tamper switches	NFPA 72-2010; 14.4.5	Semiannually		
Notification Devices				
Strobes	NFPA 72-2010; 14.4.5	Annually		
Horns, speakers	NFPA 72-2010; 14.4.5	Annually		
Bells	NFPA 72-2010; 14.4.5	Annually		
Chimes	NFPA 72-2010; 14.4.5	Annually		
Interface Relays and Modules				
Magnetic hold-open	NFPA 72-2010; 14.4.5	Annually		
Air handler shutdown	NFPA 72-2010; 14.4.5	Annually		
Kitchen hood suppression system	NFPA 72-2010; 14.4.5	Annually		
Elevator recall	NFPA 72-2010; 14.4.5	Annually		
Magnetic locks/electric strikes	NFPA 72-2010; 14.4.5	Annually		



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Interface Relays and Modules				
Fire pump	NFPA 72-2010; 14.4.5	Annually		
Smoke dampers	NFPA 72-2010; 14.4.5	Annually		
CO2/clean agent suppression	NFPA 72-2010; 14.4.5	Annually		
Sprinkler (dry pipe/pre-action)	NFPA 72-2010; 14.4.5	Annually		
Overhead rolling fire doors	NFPA 72-2010; 14.4.5	Annually		
Portable Fire Extinguishers				
Inventory	NFPA 10-2010; 7.2.1.2	Monthly		
Monthly inspection	NFPA 10-2010; 7.2.1.2	Monthly		
Annual inspection and testing	NFPA 10-2010; 7.2.1.2	Annually		
Maintenance	NFPA 10-2010; 7.3.1.1.1	As needed		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 10-2010; 7.3.1.1.1	Annually		
Alternative Fire Protection Suppression Systems				
Halon system – inspection and testing	NFPA 12A-2009; 7.1.1	Semiannually		
CO2 system – inspection	NFPA 12-2011 4.8.1	Monthly		
CO2 system – tank weigh	NFPA 12-2011; 4.8.3.5.1	Semiannually		



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Alternative Fire Protection Suppression Systems				
CO2 system – test	NFPA 12-2011; 4.8.3.2	Annually		
Clean agent system – inspection	NFPA 2001-2012; 7.1.3	Semiannually		
Clean agent system – test	NFPA 2001-2012; 7.1.1	Annually		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 2001-2012; 7.1.1	Annually		
Aerosol system – visual inspection	NFPA 2010-2010; 9.1.2.1	Monthly		
Aerosol system – semiannual inspection	NFPA 2010-2010; 9.1.2.4	Semiannually		
Aerosol system – test	NFPA 2010-2010; 9.1.4	Annually		
Aerosol system – maintenance	NFPA 2010-2010; 9.1.2.1	Annually		
Water-Based Fire Protection Suppression Systems				
Fire pump churn test	NFPA 25-2011; 8.3.1	Monthly		
Electric fire pump inspection	NFPA 25-2011; 8.3.1	Weekly		
Electric fire pump testing	NFPA 25-2011; 8.3.1	Monthly, Annually		
Water tank inspection	NFPA 25-2011; 9.2.4.1-5; 9.2.5.1-7; 9.2.1.1-2	Quarterly, annually, 3 years and 5 years		
Water tank testing	NFPA 25-2011; 9.2.4.1-5; 9.2.5.1-7; 9.2.1.1-2	Semiannually		
Control valve inspection	NFPA 25-2011; 13.3.2.1.1	Monthly		
Pressure gauge inspection	NFPA 25-2011; 13.2.7.1	Monthly		

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Water-Based Fire Protection Suppression Systems				
Fire department connections	NFPA 25-2011; 13.7.1	Quarterly		
Fire hose valve inspection	NFPA 25-2011; 13.5.6.1	Quarterly		
Pre-action/dry pipe valve priming water test	NFPA 25-2011; 13.4.3.2.1	Quarterly		
Sprinkler inspection	NFPA 25-2011; 5.2.1	Annually		
Piping and hanger inspection	NFPA 25-2011; 5.2.2	Annually		
Pre-action/dry pipe valve trip test	NFPA 25-2011; 13.4.3.2.2	Annually		
Quarterly main drain test	NFPA 25-2011; 13.2.5.1	Quarterly		
Annual main drain test	NFPA 25-2011; 13.2.5	Annually		
Control valve exercise	NFPA 25-2011; 13.3.3.1	Annually		
Backflow preventer	NFPA 25-2011; 13.6.2	Annually		
Antifreeze test	NFPA 25-2011; 5.3.4	Annually		
Private service fire hydrants	NFPA 25-2011; 7.3.2	Annually		
2½ inch fire hose valve – test	NFPA 25-2011; 13.5.6.2.1	Annually		
Fire pump flow test	NFPA 25-2011; 8.3.3	Annually		



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Water-Based Fire Protection Suppression Systems				
Occupant use fire hose – inspect	NFPA 1962-2008; 4.3.4	Annually		
1½ inch fire hose valve – test	NFPA 25-2011; 13.5.6.2.2	3 years		
Occupant use fire hose – pressure test	NFPA 1962-2008; 4.3.2	5 years, then every 3 years		
Check valve inspection	NFPA 25-2011; 13.4.2.1	5 years		
Pressure gauge calibration	NFPA 25-2011; 5.3.2	5 years		
Standpipe waterflow test	NFPA 25-2011; 6.3.1	5 years		
Private fire service mains	NFPA 25-2011; 7.3.1	5 years		
Internal inspection of piping	NFPA 25-2011; 14.2.1	5 years		
Dry head sprinkler replacement	NFPA 25-2011; 5.3.1.1.1.6	10 years		
QR sprinkler head replacement	NFPA 25-2011; 5.3.1.1.1.3	20 years		
SR sprinkler head replacement	NFPA 25-2011; 5.3.1.1.1	50 years		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 25-2011; 4.3.1-4.3.5	Various		
Fire Doors				
Overhead rolling and swinging fire doors	NFPA 80-2010; 5.2.1, NFPA 101-2012; 7.2.1.15.2	Annually		
Side-hinged fire doors	NFPA 80-2010; 5.2.1, NFPA 101-2012; 7.2.1.15.2	Annually		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 80-2010; 5.2.1, NFPA 101-2012; 7.2.1.15.2	Annually		



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Kitchen Hoods				
Kitchen hood inspection	NFPA 17A-2009; 7.2.1	Monthly		
Kitchen hood cleaning	NFPA 96- 2011; 11.4	Semiannually		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 17A-2009; 7.2.1	Semiannually		
"Exit" Signs				
"Exit" signs inspection/testing	NFPA 101-2012; 7.10.9.1	Monthly		
"Exit" signs testing	NFPA 101-2012; 7.10.9.1	Annually		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 101-2012; 7.10.9.1	Annually		
Fire/Smoke Dampers				
Fire/smoke dampers	NFPA 80-2010; 19.4, NFPA 105-2010; 6.5.2	Hospitals 1 year, then 6 years Freestanding business occupancies 1 year, then 4 years		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 80-2010; 19.4, NFPA 105-2010; 6.5.2	Hospitals 1 year, then 6 years Freestanding business occupancies 1 year, then 4 years		
Elevator Recall				
Phase I and II firefighter elevator recall	NFPA 101-2012; 9.4.6.2	Monthly		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 101-2012; 9.4.6.2	Monthly		
Stairwell Pressurization				
Stairwell pressurization maintenance	NFPA 92-2012, 8.6	(a) Weekly (b) Monthly (c) Annually		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 92-2012, 8.6.5.1	Annually		

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Fire Stop and Joints				
Fire stop integrity register in place and up to date	ASTM E 2174, ASTM E 2393	N/A		
Inspection and maintenance documentation reviewed, verified and on file	ASTM E 2174, ASTM E 2393	Annually		
Emergency Power Generators				
Inspection	NFPA 110-2010; 8.4.1	Weekly		
Battery electrolyte levels/voltage	NFPA 110-2010; 8.3.7.1	Weekly		
Monthly load test	NFPA 110-2010; 8.4.2, NFPA 99-2012; 6.4.4.1.1.4	20 days to 40 days		
Annual load test (if required)	NFPA 110-2010; 8.4.2.3	Annually		
Annual fuel test	NFPA 110-2010; 8.3.8	Annually		
3-year 4-hour load test	NFPA 110-2010; 8.4.9	3 years		
Inspection and maintenance documentation reviewed, verified and on file	NFPA 110-2012; 8.3.4	(a) Weekly (b) Monthly (c) Annually		
Automatic Transfer Switches				
Inspection of ATS	NFPA 110-2010; 8.4.1	Weekly		
Monthly test with generator	NFPA 110-2010; 8.4.6 and 99-2012; 6.4.4.1.1.4	20 days to 40 days		

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Medical Gas and Vacuum Systems				
Maintenance and testing	NFPA 99-2012; 5.1.14.4.5	Per policy		
Cross-contamination test	NFPA 99-2012; 5.1.12.1.1	After breach		
Purity and pressure test	NFPA 99-2012; 5.1.12.1.1	After breach		
Non-stationary booms with flexible connectors leak tested	NFPA 99-2012; 5.1.14.2.3.2	18 months		
Staff training on medical gas system	NFPA 99-2012; 11.5.2.1.2	Annually		
Battery Powered Emergency Light				
Monthly test	NFPA 101-2012; 7.9.3.3.3(1)	Monthly		
Annual test	NFPA 101-2012; 7.9.3.3.3(3)	Annually		