

NFPA CODE TESTING & INSPECTION
Requirements & Recommendations for
Licensed Florida Hospitals, Ambulatory Surgery Centers,
ICF/IID Healthcare, & In-patient Hospice Facilities per
NFPA Life Safety Code – 101 (2012) Edition

Required Tests & Inspections	Frequency	NFPA Reference
I. Fire Alarm System:		
A. System operational test & central station notification	Annually	72 (2010) 14.4.5
B. All manual pull stations	Annually	72 (2010) 14.4.5
C. All indicating smoke detectors – operational test	Annually	72 (2010) 14.4.5
D. All smoke detectors – sensitivity test	Within 1 year of install & then every other year thereafter	72 (2010) 14.4.5.3
E. Restorable Heat Detectors	20% Annually or 100% in 5 years	72 (2010) 14.4.5.5 72 (2010) 14.4.5.5.4
F. Non-restorable Heat Detectors	After 15 years test 2 for every 100 or replace all	72 (2010) 14.4.2.2, Table 14.4.2.2(14)(2-3)
G. Remote Annunciators	Annually	72 (2010) 14.4.5, Table 14.4.5(14)
H. Fire Panel inspection, certification & tag	Annually	72 (2010) 14.4.5, Table 14.4.5(1)
I. Alarm Supervisory & Trouble Signals	Annually	72 (2010) 14.4.5, Table 14.4.5(9)
II. Ventilating System Dampers & Detectors		
A. Fire Damper – maintenance – remove thermal links, operate damper to verify closure & lubricate	1 year after install Every 4 years <i>Hospitals-every 6 years</i>	80 (2010) 19.4.1
B. Fire/Smoke & Ceiling Dampers	1 year after install Every 4 years <i>Hospitals-every 6 years</i>	105 (2010) 6.5.2
III. Automatic Fire Sprinkler Systems		
A. Mechanical water-flow switches (fire alarm in 90 seconds per NFPA 72 (2010) 17.12.2)	Quarterly	25 (2011) 13.2.6.1
B. Vane-type/Pressure switch-type water-flow switches (fire alarm in 90 seconds per NFPA 72 (2010) 17.12.2)	Semi-annually	25 (2011) 13.2.6.2

C. Sprinkler system inspection (not test)	Annually	25 (2011) 5.2.1
D. Fire Pump flow capacity test run (no flow)	Weekly	25 (2011) 8.3.1
E. Fire Pump flow capacity test (flow)	Annually	25 (2011) 8.3.3
F. Calibrate pressure gauges	Every 5 years or replace	25 (2011) 5.3.2
G. Solder-type extra high (325°F) or greater-sample testing	Every 5 years	25 (2011) 5.3.1.1.1.4
H. System Obstruction & Investigation	Every 5 years (not required for non-metal pipe)	25 (2011) 14.2.2
I. Post Indicator & Control Valves-inspection	Monthly	25 (2011) 13.3.2.1.1
J. Post Indicator & Control Valves-testing	Annually-position & operation Semi-annually-supervisory	25 (2011) 13.3.3.1 25 (2011) 13.3.3.5
K. Water storage tanks, temp & water level switch alarm-supervised	Monthly-temp Quarterly-level alarm	25 (2011) 9.2.4.2 25 (2011) 9.2.1.1
L. Water storage tanks, temp & water level switch alarm- not supervised	Weekly-temp Monthly-level alarm	25 (2011) 9.2.4.3 25 (2011) 9.2.1.2
M. Dry Pipe - valve trip test	Annually	25 (2011) 13.4.4.2.2
N. Dry Pipe - Full valve trip test	Every 3 years	25 (2011) 13.4.4.2.2.2
O. Dry Pipe - Quick Opening devices	Quarterly	25 (2011) 13.4.4.2.4
P. Fire Hose – (occupant use) inspect & re-rack	Annually	25 (2011) 6.2.1, Table 6.2.1 1962 (2008) 4.3.4
Q. Fire Hose – (occupant use) pressure testing	5 years from date of manufacture/ every 3 years thereafter	25 (2011) 6.2.1, Table 6.2.1 1962 (2008) 4.3.2
R. Fire Hydrant (private) functional test	Annually	25 (2011) 7.3.2
S. Fire Hydrant (private) piping flow test	Every 5 years	25 (2011) 7.3.1
T. Sprinklers – fast response	At 20 years from manufacture/every 10 years thereafter till 75 year	25 (2011) 5.3.1.1.1.3
U. Sprinklers – testing 50 year	At 50 years from manufacture/every 10 years thereafter till 75 year	25 (2011) 5.3.1.1.1, 5.3.1.1.1.1
V. Sprinklers – testing 75 year	At 75 years from manufacture/every 5 years thereafter	25 (2011) 5.3.1.1.1.5
W. Sprinklers-Dry (including Walk-ins)	At 10 years from manufacture/every ten years	25 (2011) 5.3.1.1.1.6
X. Sprinklers – Prior to 1920	Shall be replaced	25 (2011) 5.3.1.1.1.2
Y. Sprinklers – in corrosive or harsh environments	Every 5 years	25 (2011) 5.3.1.1.2

Z. Backflow Preventers – Inspection & Testing	Monthly – Inspection Annually - Testing	25 (2011) 13.6.1.1.1, 13.6.1.2.1 25 (2011) 13.6.2.1
IV. Other Fire Suppression Systems & Equipment: (does not include all types-just most common)		
A. Portable Fire Extinguishers – in-house inspection	Monthly	10 (2010) 7.2.1.2
B. Portable Fire Extinguishers – (tagging) maintenance	Annually	10 (2010) 7.3.1.1.1
C. Portable Fire Extinguishers – refill & maintenance	Every 6 years	10 (2010) 7.3.1.2
D. Portable Fire Extinguishers – hydrostatic testing	Every 5 years-stored pressure water, wetting agent, AFFF, FFFP, Dry Chem w/stainless steel, CO, & Wet Chem. Every 12 years-Dry Chem, Halogenated Agents, & Dry Powder	10 (2010) 8.3.1, T 8.3.1
E. Portable Fire Extinguishers – (Halon) inspect, test, disposal	Monthly-inspect 6 year-disposal by manufacturer or approved vendor	10 (2010) 7.2.1.2 10 (2010) 2.2.3.3, 7.3.1.2.1.2, 7.3.1.2.1.3, 7.3.1.2.1.4
F. Kitchen Hood Extinguishing Systems – tag & service	Annually-AFSS protected Wet Chemical-Semi-annually	96 (2011) 10.2.6(1-4) AFSS 13 (2010) 7.10.12.1 17A (2009) 7.3.3
G. Kitchen Hood Extinguishing Systems – replace fusible links	Semi-annually	96 (2011) 10.2.6(4) 17A (2009) 7.3.4
H. Kitchen Hood Extinguishing Systems – In-house Quick Check Wet Chemical System	Monthly	96 (2011) 10.2.6(4) 17A (2009) 7.2.2(1-8), 7.2.5
I. Water Spray Systems – flow test & flush	Annually	96 (2011) 10.2.6(2) 15 (2012) 11.1.1 25 (2011) 10.3
J. Clean Agent Systems – tag & service	Annually	2001 (2012) 7.1.1
K. Clean Agent Systems – quantity & pressure	Semi-annually	2001 (2012) 7.1.3
L. Clean Agent Systems – Hose inspect & test	Annually-inspect 5 years-test	2001 (2012) 7.3.1 2001 (2012) 7.3.2.1
M. Clean Agent Systems – Room Enclosure Protection	Annually	2001 (2012) 7.4
V. Essential Electrical Systems:		
A. Emergency Power Supply System – inspection	Weekly	110 (2010) 8.4.1
B. Emergency Power Supply System – run under load	Diesel-Monthly Spark-ignited-Monthly	110 (2010)8.4.1, 8.4.2(1-2) 110 (2010) 8.4.1, 8.4.2.4
C. Emergency Power Supply System – Automatic Transfer Switches - manually test	Monthly	110 (2010) 8.4.6, 8.4.6.1

D. Emergency Power Supply System – Load Bank Testing (if unable to meet 30% or greater monthly)	Annually	110 (2010) 8.4.2.3
E. Emergency Power Supply System – Batteries inspect & test electrolyte levels & voltage	Weekly-inspect Monthly-testing	110 (2012) 8.3.7 110 (2010) 8.3.7.1
F. Main & Feeder circuit breakers – inspect & exercise	Annually-inspect Per Manufacturer Exercise	110 (2010) 8.4.7
G. Emergency Power Supply System – Breakers in excess Of 600 volts – exercise & overload test	Every 6 months – exercise Every 2 years – overload test	110 (2010) 8.4.7.1
H. Emergency Power Supply System – Level 1 (4 hour load test)	Every 36 months	110 (2010) 8.4.9
I. Diesel Fuel Testing	Annually	110 (2010) 8.3.8
VI. Electrical Testing:		
A. Receptacles at patient bed, deep sedation, or general anesthesia locations - testing	Hospital Grade-Install, replacement, service, & performance based data	99 (2012) 6.3.4.1.1, 6.3.4.1.2
B. Receptacles in patient care rooms - testing	Non-hospital Grade-Annually Annually	99 (2012) 6.3.4.1.3 99 (2012) 6.3.3.2
C. Receptacles in wet locations	Annually or based on performance data	99 (2012) 6.3.4.1
D. Ground fault circuit interrupters -test	Annually	99 (2012) 6.3.4.1.3
E. Patient care- related electrical equipment – testing policy	As established by policies & protocols	99 (2012) 10.5.2.1.1
F. Patient care-related electrical equipment–testing	First time in-service After repair Any modification	99 (2012) 10.5.2.1.2
G. Wet Procedure Locations fixed receptacles, equipment connected by cord and plug, & fixed electrical equipment– electrical continuity testing	Install Evidence of damage After repairs Intervals not exceeding 6 months	99 (2012) 6.3.2.2.8.5(A-B)
H. Line Isolation Monitors – test circuit	Monthly Annually-automated self-test & self-calibration	99 (2012) 6.3.4.1.4
I. Test Instrument – continuity testing	Annually	99 (2012) 6.3.3.1.5
J. Emergency Lighting – 30 seconds	Monthly	101 (2012) 7.9.3.1.1(1)
K. Emergency Lighting – 90 minutes	Annually	101 (2012) 7.9.3.1.1(3)

L. Battery Back-up Exit Signage	Monthly-30 seconds Annually-90 minutes	101 (2012) 7.10.4 101 (2012) 7.9.3.1.1(1) 101 (2012) 7.9.3.1.1(3)
VII. Medical Gas Systems		
A. Category 1 Medical Gas Systems-inspection, testing, & maintenance	Manufacturer recommended practice & risk assessment Annually	99 (2012) 5.1.14.2.2 99 (2012) 5.1.15
B. Category 2 Medical Gas Systems-inspection, testing, & maintenance	Manufacturer recommended practice & risk assessment Annually	99 (2012) 5.2.14 99 (2012) 5.2.15
C. Category 3 Medical Gas Systems-inspection, testing, & maintenance	Manufacturer recommended practice & risk assessment Annually	99 (2012) 5.3.13.4
VIII. Other		
A. Fire Drills	1 per quarter per shift	101 (2012) 4.7, 18.7.2, 19.7.2, 20.7.2, 21.7.2
B. Disaster Drills-Internal & External	1 each per year/6 months apart	Hospital-59A-3.078(4) ASC-59A-5.018(4) Nursing Home-59A-4.126
C. Fire Plan Approval – by local Fire Department and/or Emergency Management	Reviewed and updated as required by the authority's having jurisdiction.	101 (2012) 4.8.2.3
D. Disaster Plan Approval – by County Emergency Management	Annually	Hospital-59A-3.078(3) ASC-59A-5.018(3) Nursing Home-59A-4.126
E. Laboratory Drills – Fire & Spills	Quarterly	45 (2011) 6.6.3.1, 6.6.3.2
F. Fire & Smoke Doors – inspection & testing	Annually	Fire-80 (2010) 5.2.1 Smoke-105 (2010) 5.2.1.1
G. Boilers-Power Boilers, High Pressure, High Temperature	Annually-internally & externally not under pressure	F.A.C. 69A-51.050(2)(a) F.S.S. 554.108
H. Boilers-Heat Boilers	6 months after Annual under pressure inspect externally Every 2 years	F.A.C. 69A-51.050(2)(b) F.S.S. 554.108
I. Boilers-Hot Water Boiler & Hot Water Supply Boiler	Every 2 years Internal-every 4 years	F.A.C. 69A-51.050(2)(c) F.S.S. 554.108