

# Testing Requirements for EC.02.03.05

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# Managing the Process

- Types of process management
- Standards
- Interim Life Safety Measures
- Retesting
- Survey ready



# What buildings do you inspect?

- What buildings are listed in your E.S.O.C. ?
- What about leased buildings?
- How do I get testing documents from buildings I don't own.
- Impact from systems with complicated maintenance agreements.



# Documentation control

- Electronic
- Hard copies of testing
- Contract, internal, mixed testing
- Filed by system or EP
- Ease of Review by surveyor
- Using CMMS to help schedule/check on documentation completion.
- Keep documents clean of comments.



# EC.02.03.05 EP 1

- Quarterly test of supervisory signal devices
- “A” standard requires documentation
- Tested per NFPA 72, 1999 edition Table 7-3.2
- What are Supervisory alarm devices?
- Inventory not just a number.
- EP 25 requirements....



# EC. 02.03.05 EP 2

- Quarterly test water flow devices, semi-annual test valve tamper switches.
- “A” Standard
- Documentation required
- Inventory showing pass / fail per device.
- NFPA 25, 1998 edition sections 2-3.3 & 3-3.3 and NFPA 72, 1999 edition table 7-3.2
- Surveyors “fish” this inspection for failed devices.



# EC.02.03.05 EP 3

- Annual test of duct detectors, electromechanical releasing devices, heat detectors, manual fire alarm boxes, and smoke detectors.
- NFPA 72, 1999 edition table 7-3.2
- “C” Standard and requires documentation.
- Inventory, don't forget doors!



# EC.02.03.05 EP 4

- Annual inspection of visual and audible fire alarm devices, including speakers.
- NFPA 72, 1999 edition table 7-3.2
- “C” standard, requires documentation
- Direct impact score could trigger a CMS condition of participation finding
- Ideas on how to reduce impact of this inspection on patients.





# EC.02.03.05 EP 5

- Quarterly test of off site notification of fire responders.
- “A” standard, documentation required
- NFPA 72, 1999 edition, Table 7-3.2
- Don't forget the time element for test
- If done on a PM by in-house staff don't forget EP 25 requirements.
- Don't forget off campus buildings.



# EC.02.03.05 EP 6

- Weekly fire pump churn test
- NFPA 25, 1998 edition
- Can use a waiver to reduce to monthly.
- “C” standard, documented and has a requirement for measurement of success.



# EC.02.03.05 EP 7

- Water storage tank high and low water level alarm test. Semi annual
- “A” standard, documentation required
- NFPA 25, 1998 edition Section 6-3.5
- Also considered a supervisory alarm.
- How do you manage the water?



# EC.02.03.05 EP 8

- Cold weather testing of water storage tanks.
- Required monthly if needed.
- “C” standard, requires documentation
- NFPA 25, 1998 edition Section 6-3
- Requires a method for measurement
- Not considered a supervisory device.



# EC.02.03.05 EP 9

- Annual main drain test on sprinkler system.
- “A” standard
- NFPA 25, 1998 edition section 9-2.6



# EC. 02.03.05 EP 10

- Quarterly inspection of fire department connection points
- “A” standard, documentation required
- NFPA 25, 1998 edition section 9-7.1
- Does this include hose connections on stand pipes?
- If done on an internal PM don't forget the data from EP 25



# EC.02.03.05 EP 11

- Annual fire pump flow test
- “A” Standard, documentation required
- Direct impact score, COP implications
- NFPA 25, 1998 edition
- Don't forget the pressure requirement
- Evaluate the changes from year to year to evaluate system performance



# EC.02.03.05 EP 12

- 5 year water flow test on standpipe systems.
- “A” standard, documentation required
- NFPA 25, 1998 edition.
- Don't forget forwarding this document for future inspections.
- Careful with this one, water always wins.





# EC.02.03.05 EP 13

- Semi-annual kitchen fire extinguishing system inspection.
- “A” standard, documentation required
- NFPA 96, 1998 edition
- Does not require discharge for test.
- Small hoods, not in kitchens?



## EC.02.03.05 EP 14

- Annual inspection of carbon dioxide and other gaseous automatic fire extinguishing systems
- “A” Standard requires documentation
- No reference given?
- Where these may be located.



# EC 02.03.05 EP 15

- Monthly fire extinguisher inspection.
- “C” standard documentation required
- NFPA 10 1998 edition Section 1-6, 4-3, and 4-4.
- Measure of success required
- Day, month, year
- Keeping tags from past years
- What if one is missed?



# EC.02.03.05 EP 16

- Annual maintenance on portable fire extinguishers.
- “A” Standard, documentation required
- NFPA 10, 1998 edition Sections 1-6, 4-3, and 4-4.
- Documented by invoice and by tags on extinguishers. Others?



# EC. 02.03.05 EP 17

- Testing on standpipe occupant owned hoses.
- “A” Standard, documentation required
- NFPA 1962, 1998 edition section 2-3 and NFPA 25, 1998 edition.
- 5 year after installation, 3 years after that.



# EC.02.03.05 EP 18

- Testing and inspection of fire dampers
- “C” standard, documentation required
- NFPA 80, 2007 section 19.4.1.1 and NFPA 105, 2007 edition, Section 6.5.2
- 1 year after new install
- 6 years on “I” occupancies
- 4 years on “B” occupancies
- Ideas for success



# EC. 02.03.05 EP 19

- Annual test of shut down for air handling equipment.
- “A” standard, requires documentation
- Direct impact score can trigger COP
- Inventory needed, usually included in a different test and can be hard to find.
- Check actual shut down of device.



# EC.02.03.05 EP 20

- Annual inspection of sliding and rolling fire doors.
- “A” standard requires documentation
- NFPA 80, 1999 edition section 15-3.4
- Check for “stuff” under doors or blocking doors.
- Careful to reset, can be dangerous
- Include smoke curtains?





# EC.02.03.05 EP 25

- Documentation requirements for tests
- “C” standard, requires documentation
- NFPA 25, and 72 call for this information
- Name of activity
- Date of activity
- Required frequency
- Name and contact information
- NFPA standard used
- Results of activity



# FAILED TESTS

- We test for a reason
- Failures will happen, not an issue
- Document follow up, work order or a plan for improvement.
- Document repair and re-test / pass
- Document I.L.S.M review and any steps taken on failed device.



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