

HALON 1301 SYSTEMS

Inspection, testing, and maintenance of HALON fire suppression systems shall be performed in accordance with the system manufacturer's instructions and NFPA 12A (latest edition). The following list highlights minimum requirements for the essential care of HALON systems. This list, however, is not meant to replace manufacturer's instructions and updated code requirements. This data is based on the 2009 edition.

NFPA 12A: Summary of Halon 1301 System Inspection, Testing, and Maintenance

ITEM	FREQUENCY	NFPA 12A REFERENCE
<u>Inspection</u>		
Record pressure of container	Semiannually	6.1.3
Check agent quantity	Semiannually	6.1.3
Container & bracket	Semiannually	A.6.1
Examine piping and nozzles	Semiannually	A.6.1
Hose	Annually	6.3.1
Room enclosure – enclosure penetrations are protected	Semiannually	6.4
<u>Testing</u>		
Fire detection – test devices	Semiannually	A.6.1
Actuation – simulate agent release	Semiannually	A.6.1
Auxiliary equipment – operate all components such as switches, door releases, HVAC shutdown, power disconnect, and alarms	Semiannually	A.6.1
Container – test on refill	5 years	6.2.2
Hose	5 years	6.3.2

Coordinate the testing of the following HALON system equipment with the fire alarm system maintenance (see Attachment 9 of this Chapter).

Control equipment

Secondary power supply (and UPS if necessary)

Batteries

Transient suppressors

Remote annunciators

Initiation devices

Alarm notification appliances

Special hazard equipment (Abort switches, Cross zone (matrix) detection circuits, Release solenoid circuit)

Transmission and receiving equipment - off premises

Interface equipment (HVAC shutdown)

Alarm verification (special procedures)