ANCHORAGE FIRE DEPARTMENT

Fire Prevention
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Fire Alarm Communicator Installation

Installation of communications equipment shall comply with the 2019 edition of NFPA 72 Section 26.6.2.4 Communications Technologies. The communications methods used to transmit signals to supervising stations shall meet the requirements of 26.6.3 for performance-based technologies, or 26.6.4 or 26.6.5 for prescriptive-based technologies.

This form shall be submitted with the Fire and Life Safety System Plan Review Application

Install Location

Building name: _____

Physical address: _____

Building registered owner: _____

Registered owner phone #: _____

Installing Company

Contactor name: _____

Phone number: _____

Monitoring Company

Monitoring company name: _____

Phone number: _____

Install Information

Communicator manufacturer:_____

Communicator model:_____

Communications path per 2019 NFPA 72 Section 26.6.3:_____(single or multiple).

Primary path type:_____

Secondary path type:_____

(2 phone lines are not approved per 2019 NFPA 72 Section 26.6.4.1.4 (A)).

Dialer connected to fire alarm panel _____ (Yes or No)?

If NO, you are required to install a fire alarm panel per 2018 IFC 903.4 and 2019 edition of NFPA 72

Communicator connection to the fire alarm panel: _____(integrated or external)?

Communicator power source _____ (FACP or 120-volt power supply)?

When powered by FACP, battery calculations are required to be submitted for the new load(s) on FACP.

When powered by 120 power supply a dedicated circuit per 2019 NFPA 72 Section10.6.5.1.2.

Alarm Signal Content transmitted to supervising station:_____(Addressable or Contact)?

Addressable Device (Required for existing buildings that currently transmit addressable devices and new buildings per 2019 NFPA 72 Section 26.2.3 and 2018 IFC Section 907.6.3 that do not meet the exceptions)

Contact (Trouble, Supervisory and Alarm per the requirements of 2018 IFC Section 907.6.3 exceptions)

2019 edition of NFPA 72 Annex Information, refer to actual code for details.

A.7.2.1(12) Paragraph 26.6.2.4 allows for the following three communications pathway options when a supervising station fire alarm system is provided:

(1) Performance-based technologies
(2) Digital alarm communicator systems
(3) Radio systems, which includes one-way private and two-way RF systems

Chapter 26 includes several requirements specific to each of these communications' pathway alternatives. In order to verify the provided communication path(s), and any shared equipment, comply with Code requirements, the following are examples of information that should be submitted as the minimum documentation for a supervising station fire alarm system:

(1) Performance-based technologies
    (a) The type of performance-based transmitter(s) to be used such as IP communicators, cellular radios, and so forth
    (b) Whether communications with the supervising station will be via a single pathway or a multiple pathway
    (c) An indication of the use, where applicable, of shared equipment such as routers, modems, and LANs within the protected premises
    (d) Battery calculations for the shared equipment, which should meet the requirements of 26.6.3.13
(2) Digital alarm communicator system
    (a) The primary communications pathway, which should be a telephone line
    (b) The secondary communications pathway, which should comply with 26.6.4.1.4
(3) Radio system
    (a) The type of radio system that will be used (private one-way or two-way RF)
    (b) The secondary power provided for the radio transmitter

Where the transmitter equipment is located separately from the main fire alarm control unit, an indication of its protection in accordance with 10.4.4 should also be provided within the minimum documentation.