**15-151**

**1. State Building Code to be Amended:**

 [x]  International Building Code [ ]  State Energy Code

 [ ]  ICC ANSI A117.1 Accessibility Code [ ]  International Mechanical Code

 [ ]  International Existing Building Code [ ]  International Fuel Gas Code

 [ ]  International Residential Code [ ]  NFPA 54 National Fuel Gas Code

 [x]  International Fire Code [ ]  NFPA 58 Liquefied Petroleum Gas Code

 [ ]  Uniform Plumbing Code [ ]  Wildland Urban Interface Code

 **Section(s):**

 **Section 907**

 **Title:**

 Fire Alarm and Detection Systems

**2. Proponent Name (Specific local government, organization or individual):**

 **Proponent: Mike Six**

 **Title: Fire Marshal, City of Bremerton**

 **Date: February 21, 2015**

**3. Designated Contact Person:**

 **Name: Mike Six**

 **Title: Fire Marshal, City of Bremerton**

 **Address: 911 Park Ave**

 **Office Phone: 360.473.5386**

 **Cell: 360.434.6406**

 **E-Mail address: Michael.Six@ci.bremerton.wa.us**

**4. Proposed Code Amendment**. Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC [website](https://fortress.wa.gov/ga/apps/sbcc/Page.aspx?nid=191))

 **Code(s)** 907.8

 **Section(s)** **International Fire Code Section 907.10 (new section)**

 **NICET**: National Institute for Certification in Engineering Technologies

 **907.10.1 Scope**-This section shall apply to new and existing fire alarm systems

 **907.10.2 Design Review:** All construction documents shall be reviewed and approved by a NICET III in fire alarms or a licensed Professional Engineer (PE) in Washington prior to being submitted for permitting. The approving professional shall submit a wet signed letter or other approval documents indicating the system has been reviewed and meets or exceeds the design requirements of the State of Washington and the local jurisdiction. (Effective July 1, 2017)

 **907.10.3 Installation/Maintenance:** All installation, inspection, testing, maintenance and programing not defined as “Electrical Work” by RCW 19.28 shall be completed by a NICET II in fire alarms. (Effective July 1, 2017)

 Enforceable code language must be used; see an example [by clicking here](https://fortress.wa.gov/ga/apps/SBCC/File.ashx?cid=1803).

 Amend section to read as follows:

1. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

The intent of the proposed code amendment is to improve both the quality of the inspection and testing. As with the proposal for NICET III for design, the system is only as good as it is maintained. This proposal helps to ensure only qualified technicians are performing these vital tasks.

There is currently no performance standards or other requirements for a technician to perform these vital functions on life safety systems.

I included the same justification for the NICET III proposal:

The problems that have been created by the irresponsible installation of fire alarm system has created a number of problems.

1. False alarms trains’ people to ignore the fire alarm system. When the community does not respect the fire alarm sounding we have lost the entire purpose of active fire protection systems. Early notification is a bedrock principal in fire protection. When the fire alarm is ignored we lose the advantage of early notification.
2. False alarms also create a burden to fire departments. Each one of these false alarms has be fire unit responding to check the property and the alarm. Although often times these are not overly time consuming responses, each one requires a written report and distracts from other emergency responses.
3. It is not uncommon for injuries to the occupants to occur during the evacuation process. The occupants of any complex put themselves at risk when they evacuate a structure. When age and mobility are considered compounded by time of day and visibility the possibility for injuries increases.

The proposal for a NICET II performing inspection, testing and maintenance is the vital factor for the success of the fire alarm system. If the system simply doesn’t work, what’s the point? NICET has a system of recertification, CME required and an ETHICS policy. If a situation develops which may require oversight, NICET will investigate and review the situation. This provides a neutral third party review of the technician’s performance.

1. **Specify what criteria this proposal meets.** You may select more than one.

[x]  The amendment is needed to address a critical life/safety need.

[x]  The amendment is needed to address a specific state policy or statute.

[ ]  The amendment is needed for consistency with state or federal regulations.

[ ]  The amendment is needed to address a unique character of the state.

[ ]  The amendment corrects errors and omissions.

1. **Is there an economic impact:** [x]  Yes     [ ]  No

Explain:

If there is an economic impact, use the Table below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

|  |  |  |  |
| --- | --- | --- | --- |
| Building Type | Construction[[1]](#footnote-1) | Enforcement[[2]](#footnote-2) | Operations & Maintenance[[3]](#footnote-3) |
| Costs | Benefits[[4]](#footnote-4) | Costs | Benefits4 | Costs | Benefits4 |
| Residential | N/A | N/A | N/A | N/A | N/A | N/A |
|  Single family | N/A | N/A | N/A | N/A | N/A | N/A |
|  Multi-family | Minimal | Minimal | Minimal | Minimal | Minimal | Minimal |
| Commercial/Retail | Minimal | Minimal | Minimal | Minimal | Minimal | Minimal |
| Industrial | Minimal | Minimal | Minimal | Minimal | Minimal | Minimal |
| Institutional | Minimal | Minimal | Minimal | Minimal | Minimal | Minimal |

**As with the NICET III proposal, the NICET II will be nearly impossible to calculate. Below are the costs for certification. Of course there are code books and other testing costs, but overall limited in the big picture.**

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Please send your completed proposal to: sbcc@ga.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.

1. $ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs

that impact the total cost of the construction to the owner/consumer. [↑](#footnote-ref-1)
2. Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement. [↑](#footnote-ref-2)
3. Cost to building owner/tenants over the life of the project. [↑](#footnote-ref-3)
4. Measurable benefit. [↑](#footnote-ref-4)