



STUDY AND TEST MATERIAL FOR THE  
**FEX & KHFE2**  
ASSESSMENTS

(Fire Extinguisher, and  
combination Kitchen Hoods and Fire Extinguisher On-site)

February 3, 2011

This document contains sample questions to help participants study for the FEX assessment.

If you intend to take this booklet into the test, make sure it is bound in a binder or stapled. You will not be allowed to take this material into the test center if it is not bound.

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## About the Assessment:

**Assessment Abbreviation:** FEX

**Number of Questions:** 42 *(Corrected)*

**Amount of Time for Test:** 60 minutes

**Combination Exam: KHFE2 (Kitchen Hoods and Fire extinguishers)** *(Revised name of combo test)*

**Number of Questions:** 91 *(Corrected)*

**Amount of Time for Test:** 120 minutes

**Exam format:** Open book (bring your own books); calculators will be available, writing tablet or paper will be provided for calculations. Any books or exam documents brought into exam must be bound as no loose papers are allowed.

**Passing Score:** 80%

**Cell Phones:** Do not bring cell phones, pagers, or radios into the test center.

**Codes / Materials Used for FEX Exam and Editions:**

- 2010 NFPA 10

**Codes / Materials Used for KHFE2 Exam and Editions: (this is a combination exam)**

- 2010 NFPA 10
- 2009 NFPA 17A
- 2011 NFPA 96
- CSA Kitchen Hood Design Manual (on our web site under Test Info)

### **General Assessment Information:**

**About the Questions:** Questions are randomly selected from respective topics within a larger database. Answer choices are randomly mixed, meaning that choice “B” will not always be in position “B”.

**Exam Format:** Questions are computer based and will be delivered one at a time. You will have the opportunity to go back and review all questions. You can also “check” a box within each question which will flag it for later review. During the review, checked questions will be marked for easier identification. See the document on “Screen Shots” under the “Test Info” link on our web site.

**Time Clock:** Most assessments will have a count-down timer displayed on the screen. It may appear as if this timer is fluctuating between questions (gaining time on one question and losing time on the next question). This is normal. The software has a specific function which ensures your time is protected if there is a loss of the Internet connection. It is very difficult to explain the logic behind the clock. However, we can assure you that you are getting all of your time. Do not steadily watch the clock, but rather use it as a general guide. Long pauses between questions will result in the biggest time jump as the computers verify that you are still testing and did not lose the Internet connection. We recommend that you do not push your time to the end. Allow a few minutes for this adjusting.

The following questions are related to the FEX assessment. These are sample questions. Questions on FEX assessment may come from the body of the code or any of the Annex sections. Please review and be familiar with all of NFPA 10. The questions below are not intended to provide an in depth review. Rather, they are only intended to give you an idea of what to expect. Currently there are no additional practice questions for the kitchen hood questions.

Question 1:

Which would represent a Class A fire?

- Trash Can
- Cooking oil on a gas stove
- Electrical power strip
- Bucket of Magnesium Shavings

Question 2:

A "three-dimensional Class B fire" identifies:

- A computer generated 3-D fire commonly used in training videos
- An interactive holographic fire
- A flammable liquid pool fire in a corner with higher radiant heat from the three enclosed sides (floor and two walls).
- A fire involving flammable liquids running down a set of stairs.

Information on three dimensional fires can be found in NFPA 10, A.5.5.1.1.2. Such fires often create a unique challenge to fight.

Question 3:

Select those extinguishers that are considered obsolete and shall be removed from service. Select all that apply.

- Vaporizing liquid (carbon tetrachloride)
- Soda acid
- Copper or brass shell (excluding pump tanks) joined by soft solder or rivets
- Chemical foam (excluding film-forming agents)
- Cartridge-operated loaded stream
- Any extinguisher with 4B, 6B, 8B, 12B, and 16B fire ratings
- Each type indicated may continue to be used even though some are no longer manufactured

Question 4:

A "water mist fire extinguisher" is defined as a fire extinguisher in which the agents have sufficient vapor pressure at normal operating temperatures to expel themselves.

- True
- False

Question 5:

In accordance with Annex C, which of the following could be used in selecting the best portable fire extinguisher for a given situation?

- Ease of use of the fire extinguisher
- Potential severity of any resulting fire
- Nature of combustibles or flammables that could be ignited
- Upkeep and maintenance requirements for the fire extinguisher
- Whether office trash cans are round or square

Question 6:

Fire extinguishers will likely be used by one or more of the following groups of people, listed in descending order of their probable skill. Select which option does not apply:

- Trained fire departments
- Trained or untrained employees
- Untrained private owners
- Untrained fire department personnel

Annex D provides information regarding operation and use. In this question, you will need to find the corresponding section to match the options.