

# ***National Certification Program Study Guide***

July 2009



# **Hazardous Materials - Awareness**



**NFPA 472,**

***Standard for Competence of Responders to Hazardous  
Materials/Weapons of Mass Destruction Incidents,*  
2008 Edition**

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## Introduction to Hazardous Materials - Awareness Certification

Each individual seeking certification within the Kansas Fire & Rescue Training Institute, the University of Kansas, Certification System must submit an application and the appropriate fee to secure entrance into the system. **Candidates are given one year in which to complete the certification process.** Application forms may be downloaded at: <http://www.continuinged.ku.edu/fire/certification.php>.

A list of current fees may be obtained by calling 785-864-4790 or toll free 1-866-804-8841 or may be downloaded from <http://www.continuinged.ku.edu/fire/certification.php>. Purchase orders from cities or organizations will be accepted. Kansas Fire & Rescue Training Institute will not "bill" individuals for the certification fee. Checks or credit cards are accepted from individuals. Upon receipt of the application and fee, the candidate will be scheduled into a specific exam site as requested or the candidate may select an exam site from the schedule on the KUCE website.

Applicants may register for an exam site at the time of application by completing the appropriate block on the application form. Candidates requesting a specific test site should contact the Kansas Fire & Rescue Training Institute at 785-864-4790 or toll free 1-866-804-8841 to confirm that they have a reserved place at the exam.

Certification candidates are given two (2) attempts at the written component **within the twelve month certification period**. If the candidate takes that component of the exam twice without passing, the candidate is required to resubmit a certification application form as well as an additional certification fee before being scheduled to retest a third time.

Candidates failing the written exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest and enroll at the next scheduled exam that has available space or they may come to the Kansas Fire & Rescue Training Institute in Lawrence, Kansas to take a retest. Written exams will **not** be graded at the test site. Candidates may not take the written exam more than once per day.

There are no practical skills required by the NFFA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, Chapter 4, Competencies for Awareness Level Personnel, 2008 edition. Therefore, no practical skills test will be administered.

**An official picture ID (e.g., driver's license, military ID, etc.) must be shown for admittance to written exams.**

## **Certification Examination Instructions Hazardous Materials - Awareness NFPA 472 – 2008**

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### **Prerequisites:**

Candidates seeking certification for Driver/Operator - Pumper within the Kansas Fire & Rescue Training Institute (KFRTI), the University of Kansas, must meet the following:

1. Residency and membership requirements as stated in Section 12, "Certification Policies" of the KFRTI National Certification Program Criteria and Procedures document published by Kansas Fire & Rescue Training Institute (available for download at <http://www.continuinged.ku.edu/fire/certification.php>.)
  2. Candidate must be competent in all competencies listed in NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, Chapter 4, Competencies for Awareness Level Personnel, 2008 edition.
  3. Successful completion of all parts of the Hazardous Materials - Awareness certification exam will result in national certification in Hazardous Materials - Awareness.
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### **Part I - Written Examination:**

The Hazardous Materials - Awareness written certification exam is based on **competencies** listed in the NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, Chapter 4, Competencies for Awareness Level Personnel, 2008 edition.

1. Candidates are required to score a minimum of 70%.
  2. The certification exam contains fifty (50) true/false and multiple choice questions covering Hazardous Materials - Awareness level knowledge requirements as stated in NFPA 472-2008. The candidate will be allowed one (1) hour to complete the exam.
  3. The candidate will be provided with an exam copy of the DOT, *Emergency Response Guidebook*, 2008 edition for use during the written exam. The candidate must be able to look up required information in the 2008 ERG in order to answer some of the questions in the exam.
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### **Part II - Practical Skills Examination:**

Not applicable.

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A copy of the DOT, *Emergency Response Guidebook*, 2008 edition will be provided for use during the written portion of the Certification Examination.

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**References & Textbooks:**

IFSTA, *Hazardous Materials for First Responders*, 3d edition, © 2004.

DOT, *Emergency Response Guidebook*, 2008 edition.

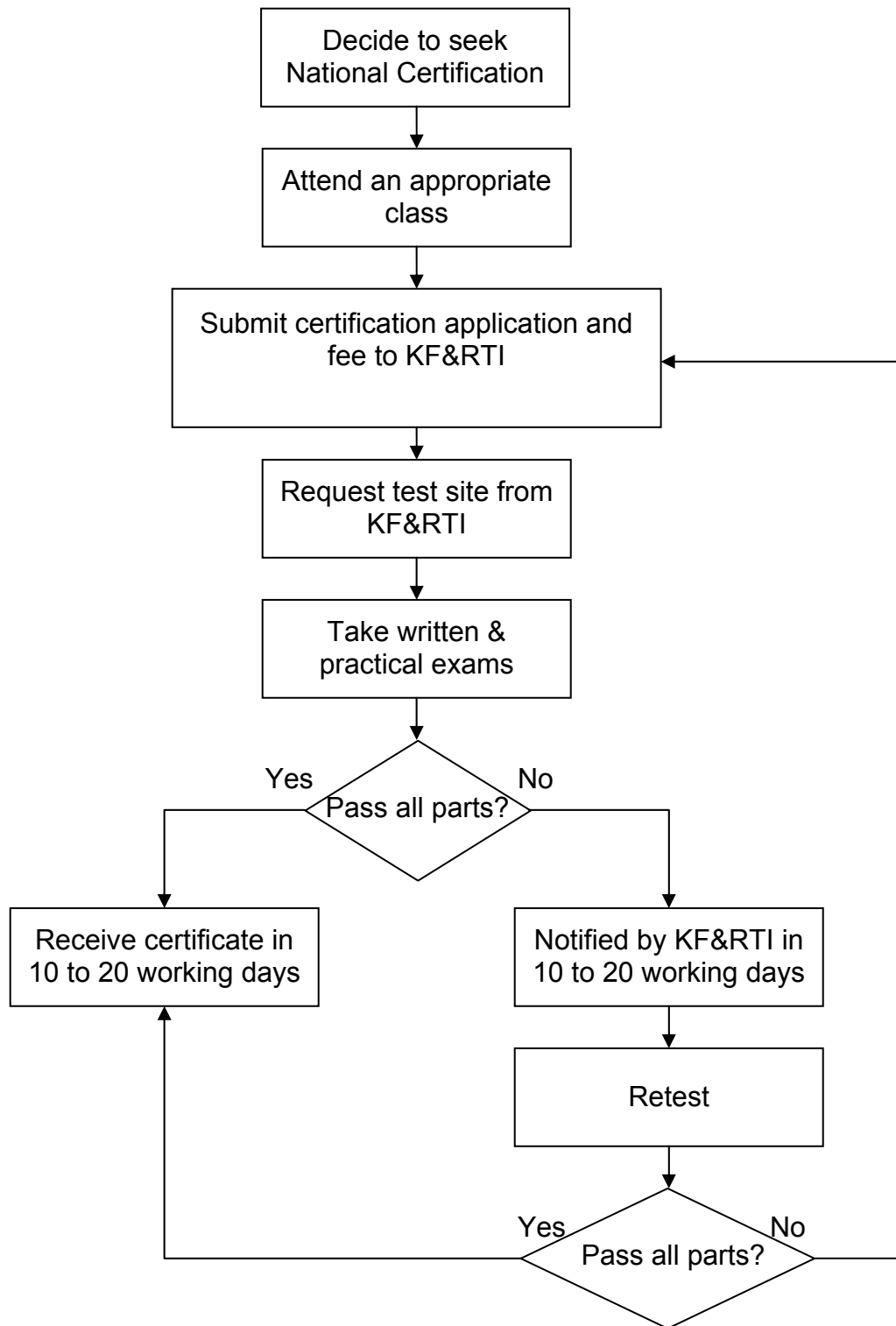
NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, 2008 edition.

NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*, 2007 edition.

KFRTI, *Hazardous Materials - Awareness Student Manual*, April 2005.

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### Certification Flow Chart for Driver/Operator - Pumper



## Hazardous Materials - Awareness Written Exam Study Guidesheet

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**Standard:** NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, 2008 edition.

**References:** IFSTA, *Hazardous Materials for First Responders*, 3d edition, © 2004.  
DOT, *Emergency Response Guidebook*, 2008 edition.

The reading and study references listed below represent published references from which certification exam questions are taken.

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Section Subject & NFPA Competency Number	Reading/Study Reference
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**Detecting the Presence of Hazardous Materials/WMD.**

4.2.1 IFSTA pp. 9 – 14, 17, 22 – 28, 45 – 61, 95 – 109, 112 – 207, 216 – 218, 445 – 449, 458 – 460.

DOT pp. 1, 14 – 25, 352 – 354, 356 – 364.

**Surveying Hazardous Materials/WMD Incidents.**

4.2.2 IFSTA pp. 95 – 109, 202 – 203, 221.

DOT pp. 1, 6.

**Collecting Hazard Information.**

4.2.3 IFSTA pp. 208 – 214.

DOT pp. 1 – 5, 7, 14 – 25.

**Initiating Protective Actions.**

4.4.1 IFSTA pp. 12 – 14, 45 – 68, 70 – 72, 86 – 88, 208 – 216, 240 – 241, 280 – 284, 286, 290 – 291, 327 – 331, 335.

DOT pp. 1 – 5, 26, 293 – 299, 348, 354 – 355.

**Initiating the Notification Process.**

4.4.2 IFSTA pp. 241 – 244, 285 – 286.

DOT pp. 1, 7, 10 – 11.

**Cumulative Reading Pages:**

IFSTA: 9 – 14, 17, 22 – 28, 45 – 68, 70 – 72, 86 – 88, 95 – 109, 112 – 218, 221, 240 – 244, 280 – 286, 290 – 291, 327 – 331, 335, 445 – 449, 458 – 460.

DOT: 1 – 7, 10 – 11, 14 – 26, 293 – 299, 348, 352 – 364.

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