

Hazardous Materials Awareness & Operations

Certification Procedure Guide



This Certification Procedure Guide reflects the requirements of:

**NFPA 470: Hazardous Materials / Weapons of Mass Destruction (WMD) Standard
for Responders, 2022 Edition**

Introduction to the Hazardous Materials Awareness & Operations Certification

FSTB Certification website:

[Fire Service Training Bureau | Iowa Department of Public Safety](#)

Certification Program email: fstbcert@dps.state.ia.us

FSTB Certification phone number: 515-727-3447

Candidates wishing to attain national certification at the Hazardous Materials Awareness & Operations level through the Iowa Fire Service Training Bureau Certification System must start the process by submitting an Examination Registration Form along with the Registration Fee of \$50 due at the time of registration.

The form is available on the FSTB website (link provided above), then scroll down to the Certification portion or you can click on the following link to go directly to the form:

[Certification Exam Registration Form](#)

The registration form is updated regularly to reflect the current schedule of examination locations and dates. Candidates are given twelve (12) months to complete each certification process. This time limit starts when the candidate takes their FIRST examination in this level.

The initial registration fee of \$50 allows the candidate one (1) attempt to pass each component, written and practical skills, of the examination. After this, every RETAKE is charged a \$50 fee. (If the candidate fails only one of the examinations (either written or practical skills), they are charged \$50 to retake the failed exam. However, if the candidate fails both the written and practical skills exams, they are charged \$50 to retake **EACH** examination again, meaning they must pay \$100 to take both exams again).

If the twelve (12) month time limit expires and the candidate has not successfully completed all the requirements for this certification process, the candidate will have to restart the process. All information and documentation relating to the previous certification attempt will be removed from the FSTB database.

Local Documentation Forms **MUST** be submitted and approved within the twelve (12) months from when the candidate starts the certification process for this level.

Hazardous Materials Awareness & Operations Certification Requirements

Prerequisites:

Candidates pursuing certification at the Hazardous Materials Awareness & Operations level must meet the following conditions:

1. Be a current member of a fire, emergency or rescue organization within the State of Iowa or enrolled in a Fire Science program within the Iowa College System. All candidates pursuing certification shall be at least 18 years of age. (Iowa Administrative Code, Section 661-251.201(1))

An official picture ID (e.g., driver's license, state-issued identification card, military ID, etc.) must be presented for admittance to ANY written and practical examination.

Written Examination:

The Hazardous Materials Awareness & Operations written examinations are based on Job Performance Requirements listed in NFPA 470 - *Hazardous Materials / Weapons of Mass Destruction (WMD) Standard for Responders*, 2022 edition.

- The Hazardous Materials Awareness written examination contains 30 multiple choice questions. The Hazardous Materials Operations written examination contains 50 multiple choice questions. This examination is offered as a **COMBINED** hard copy examination, however, **EACH EXAMINATION IS GRADED SEPARATELY.** The electronic online examinations are separate.
- Candidates are required to score a minimum of 70% on both written examinations. Candidates who fail either or both written examination(s) are responsible for notifying the FSTB of their desire to retake the written examination by registering for another examination site and paying another registration fee of \$50. Candidates may not take the written examination more than once per day.
- The below chart shows the maximum time allowed for the written examination based on the number of questions on the examination.

# of Questions	Time
10	12 Minutes
20	24 Minutes
30	36 Minutes
50	60 Minutes
75	90 Minutes
80	96 Minutes
100	120 Minutes

Practical Skills Examination:

The Hazardous Materials Awareness & Operations practical skills examination is based on Job Performance Requirements listed in NFPA 470 - *Hazardous Materials / Weapons of Mass Destruction (WMD) Standard for Responders*, 2022 edition.

- Practical skills are evaluated on a Pass / Fail basis determined by completing 100% of the skill steps.
- **Two (2)** skills will be randomly selected and evaluated during the practical skills examination.
- Candidates are allowed two (2) attempts to pass each skill station. Candidates failing their first attempt will return to the designated staging area and upon availability, be evaluated on their second attempt by a different evaluator. Candidates who fail both attempts, constituting a failure of the practical skills examination, are responsible for notifying the FSTB of their desire to retake the practical skills examination by registering for another examination site and paying another registration fee of \$50. Candidates may not take the practical skills examination more than once per exam day.

Practical Skills Available for Evaluation:

1. Analyze the Incident and Implement the Response
2. Demonstrate Emergency Decontamination
3. Mission-Specific Competencies PPE: Don, Work-In, and Doff PPE & SCBA
4. Hazardous Materials Recognition, Identification, and Notification
5. Mission-Specific competencies Product Control: Product Control Techniques

Local Documentation Form:

1. The candidate may submit the Local Documentation Form, signed by the Fire Chief, Training Officer or College Program Chair at ANY time during the one-year time frame AFTER their examination registration has been entered into the FSTB Certification database.

References / Textbooks:

- IFSTA *Hazardous Materials for First Responders*, 6th Edition, 2022
- J&B, *Hazardous Materials Awareness and Operations*, 4th Edition, 2023
- Emergency Response Guide (ERG), 2024

Please keep a copy of all your certification documentation for your own records.

HazMat Awareness & Operations

Local Documentation Form

NFPA 470 - 2022

Candidate's Name: _____

Candidate's Fire Department or College: _____

FSTB ID # _____ Date of Birth _____
(First 5 letters of last name & last 4 digits of SS #)

Local Documentation Requirements

1. 29 CFR 1910.134(f) Respiratory Protection: Fit Testing:

The candidate has been fit tested for their Self-Contained Breathing Apparatus (SCBA) facepiece within the past twelve (12) calendar months, in compliance with the above OSHA standard.

2. NFPA 470 - 2022, General Knowledge Requirements 5.1.3: Role of Awareness Level personnel at a hazardous materials/WMD incident, location and contents of the AHJ emergency response plan, and standard operating procedures for Awareness Level Personnel:

The candidate has successfully demonstrated the ability to locate the departmental emergency response plan and standard operating procedures regarding Hazardous Awareness personnel and knowledgeable of their contents.

3. NFPA 470 - 2022, Action Plan Implementation, Requisite Knowledge 7.4.1: Incident command organization; purpose, importance, benefits, and organization of incident command at hazardous materials/WMD incidents; policies and procedures for implementing incident command at hazardous materials/WMD incidents:

The candidate has completed the FEMA Independent Study courses IS-100.c *Introduction to the Incident Command System, ICS-100* and IS-700.b *An Introduction to the National Incident Management System*

This section completed by Fire Chief, Training Officer, or College Program Chair

I affirm that the candidate identified above has met the requirements listed in in the above paragraph(s). All requirements have been successfully conducted and completed per local department protocol and procedures.
Information listed above can be validated by a copy of the documents maintained by the department.

Fire Chief / Training Officer / College Program Chair (**PRINT**)

Fire Chief / Training Officer / College Program Chair (**SIGNATURE**)

CIRCLE ONE

Date: _____ Fire Department or College: _____

Agency Phone Number: _____ Contact Email: _____

Once the candidate starts the certification process for this level, this form can be submitted at ANY time during the candidate's one-year time period to complete this certification.

Scan the completed document and email to: fstbcert@dps.state.ia.us

