



Missouri Division of Fire Safety

Hazardous Materials

Guide for Lead Instructors,
Practical Skill Evaluators &
Certification Booklet

NFPA 1072-2017



MISSION

The Division of Fire Safety provides proactive statutory enforcement, regulatory oversight, and education to protect all lives and property from the devastation of fires, explosions and life safety perils.



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Acknowledgments

The Division of Fire Safety's Training and Certification Unit would like to thank the following Subject-Matter-Experts for their dedication to assisting the training unit in updating Missouri's Hazardous Materials certification program to the current NFPA 1072-2017 standard.

Technical Advisory/Correlation Committee

Brian Main – Southern Platte Fire Protection District
Michael Murdock – Retired
Dennis Clinton – Ozark Technical College
Peter Martin – Columbia Fire Department

Michael Schulz – Jefferson City Fire Department
Mark Jenkins – Columbia Fire Department
Richard Daly – St. Louis County Fire Academy



Certification Process

The guidelines for the state certification program are designed to ensure the following: accountability, consistency, and credibility of instruction, testing, and certification of first responders and public sector officials and employees in the State of Missouri.

Goals of the Certification Program:

1. To raise the level of fire protection for the State of Missouri.
2. To improve training and education for first responders and public sector officials and employees.
3. Establish minimum basic training standards for first responders and public sector officials and employees.
4. Issuance of certificates to persons who complete requirements for certification and pass the required state examinations.
5. To maintain records of persons who have attained state certification.

Hazardous Materials Awareness, Operations and Technician Certification is provided through the Missouri Department of Public Safety, Division of Fire Safety. This certification is internationally accredited by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (ProBoard). The Missouri Division of Fire Safety shall certify individuals at the levels of Hazardous Materials Awareness, Operations and Technician based on a combination of requirements and qualifications.

The Missouri Division of Fire Safety subscribes to the policy of nondiscrimination in areas of race, color, religion, sex, age, national origin, and the handicapped. Entry level qualifications are reviewed to ensure that each applicant meets the specified requirements.



Hazardous Materials Course Guide

I. Approved Courses

- A. **For Hazardous Materials Awareness and/or Operations:** The following courses are approved as the only curriculums for delivery as meeting NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, for Missouri Division of Fire Safety Hazardous Materials Awareness and Operations certification eligibility:
1. *Hazardous Materials for First Responders*, Fifth Edition, IFSTA
 - a) When using the above curriculum, Hazardous Materials Awareness and Operations can be presented as a COMBINED Hazardous Materials course. The end of course exams must be developed using the publishers test bank. A separate awareness exam and operations exam is required for each level and cannot be a combined exam.
 - b) Hazardous Materials Awareness can be delivered by utilizing chapters 1-3.
 - c) Hazardous Materials Operations can be delivered by utilizing chapters 4-10 and Chapter 13.
 2. *Essentials of Fire Fighting*, 7th Edition, IFSTA (***MUST BE DELIVERED AS PART OF A FIRE FIGHTER I COURSE. MUST DELIVER THE CLASS IN THE ORDER IN WHICH THE BOOK IS LAYED OUT.***)
 - a) When using the above curriculum, Hazardous Materials Awareness and Operations are to be presented as a COMBINED COURSE with the Fire Fighter I and II course. The end of course quizzes must be developed using the publishers test bank for the Fire Fighter I and II curriculum to include the Hazardous Materials Chapters 24, 25 and 26 and ICS Chapter 27. A separate awareness exam and operations exam is required for each level and cannot be a combined exam. Questions for the exams must be pulled not only from Chapters 24, 25, 26 and 27 but also from chapters that reference Hazardous Materials PPE, equipment and procedures that occur throughout the text book.
 3. The Fire and Rescue Training Institute, MU Extension, "Hazardous Materials Initial Response: Awareness" course online (www.mufrti.org) is approved **ONLY for Hazardous Materials Awareness certification eligibility.**
 4. Student resources required for all of the above courses.



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- a) One of the above mentioned text books.
- b) Most current edition of the Emergency Response Guidebook (ERG).
- c) For Hazardous Materials Operations course, a Division of Fire Safety Hazardous Materials Operations Practical Skill Booklet.

B. For Hazardous Materials Technician: The following course is approved as the only curriculum for delivery as meeting NFPA 1072-2017, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, for Missouri Division of Fire Safety Hazardous Materials Technician certification eligibility:

- 1. *Hazardous Materials Technician*, Second Edition, IFSTA.
 - a) The above mentioned text book.
 - b) Division of Fire Safety Hazardous Materials Technician Practical Skill Book.

II. Hazardous Materials Instructor Requirements

- A. The course must be pre-approved by the Division of Fire Safety prior to course delivery.
- B. The following course instructor requirements must be met for course approval for students to be eligible for certification:
 - 1. Lead Instructors (must be approved by the Division of Fire Safety prior to course delivery):
 - a) *Certified by the Division of Fire Safety as Fire Service Instructor II or higher.*
 - b) *Certified by the Division of Fire Safety to the Hazardous Materials level they are instructing.*
 - 2. Assisting Instructors (must be approved by the Division of Fire Safety prior to course delivery):
 - a) *Certified by the Division of Fire Safety as Fire Service Instructor I or higher.*
 - b) *Certified by the Division of Fire Safety to the Hazardous Materials level they are instructing.*



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III. Procedure for Course Approval

A. Course Approval

1. To conduct the Division of Fire Safety's Hazardous Materials program, an "Application for Course Delivery" or other Division approved form detailing when and where the course is to be delivered, course completion date, course Lead Instructor, and the person responsible for record keeping must be submitted to the Division of Fire Safety for review and approval prior to the start of the course.
2. Courses will be approved only for departments who are currently registered with the Division of Fire Safety, approved academies, schools, and training entities.
3. Once reviewed and approved, an official email of approval will be sent to the Lead Instructor. No course will be eligible for certification testing that has not been pre-approved by the Missouri Division of Fire Safety.
4. No student will be allowed to test who has not successfully completed the course or has not submitted the required documentation to the Division.

B. After Course Approval

1. The Lead Instructor will submit to the Division of Fire Safety, a completed "Course Enrollment Application" form for each student after the first day of class.
 - a) *Included with the submission of the "Course Enrollment Application" the following documents must be submitted:*
 - (1) A copy of the student's educational records as described in the certification eligibility requirements.
 - (2) A copy of the student's valid state or federal issued identification.

C. Course Practical Skills

1. All students must have attained proficiency in all practical skills contained in the Practical Skills Book during the delivery of the course and prior to practical skill testing. Any students that have not shown proficiency will be considered as failing the course and will not be eligible for written or practical skill testing.



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2. The Lead Instructor will verify that the student has achieved proficiency in all practical skills by completing the training record in the Practical Skill Book indicating the student has achieved proficiency in accordance with the Job Performance Requirements (JPRs) as identified in NFPA 1072-2017.
- D. The individual training records for each student shall be maintained by the course Lead Instructor and are to remain on file with the sponsoring agency, academy, or school according to their respective agency record retention schedule. Course records should include the following information:
 1. Name of student
 2. Home and work address
 3. Fire department/agency
 4. Last four numbers of his or her Social Security Number
 5. Course host agency
 6. Class attendance, including hours attended for each class
 7. The original "Hazardous Materials Training Record" for each student indicating results of practical skill proficiency and end of course exam score indicated as a percentage. Students must pass the end of course exam with a minimum score of 70% to pass the course and be eligible for certification,
 - a) *Hazardous Materials Awareness End of Course Exam.*
 - (1) Consist of 50 questions that meet the JPRs as stated in NFPA 1072-2019, chapters 2-4.
 - (2) Generated from the appropriate IFSTA curriculum package as stated above.
 - b) *Hazardous Materials Operations End of Course Exam.*
 - (1) Consist of 100 questions that meet the JPRs as stated in NFPA 1072-2017, chapter 5, 6.2 & 6.6.
 - (2) Generated from the appropriate IFSTA curriculum package as stated above.
 - c) *Hazardous Materials Technician End of Course Exam.*



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- (1) Consist of 100 questions that meet the JPRs as stated in NFPA 1072-2017, Chapter 7.
 - (2) Generated from the appropriate IFSTA curriculum package as stated above.
- E. The local authority having jurisdiction shall agree to an inspection of course records at a reasonable hour if deemed necessary by the Division of Fire Safety.
- F. After course completion
 1. The Lead Instructor of the course will submit a copy of each student's "Hazardous Materials Training Record", to the Division within seven (7) days after the course completion.



Hazardous Materials Practical Skill Exams

IV. Practical Skill Exams - Student Eligibility

- A. Students who have successfully completed an approved Hazardous Materials course as verified by the Lead Instructor are eligible for the Hazardous Materials practical skill certification exams.
- B. Hazardous Materials Awareness Practical Skill Exam.
 - 1. Practical skill exam is conducted as part of the written certification exam.
- C. Hazardous Materials Operations Practical Skill Exam
 - 1. The course lead instructor must apply for practical skill testing a minimum of seven (7) calendar days prior to the requested exam date by submitting the appropriate Evaluator Confirmation form to the Division.
 - 2. The assignment of all evaluators for a specific Hazardous Materials Practical skill examination are approved by the Division of Fire Safety.
 - a) Supervising Evaluator Qualifications
 - 1) Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.
 - 2) Be certified by the Division of Fire Safety as a Fire Service Instructor II or higher.
 - 3) Be certified by the Division of Fire Safety at the Hazardous Materials Operations level.
 - 4) Has completed the Certification Evaluator training and mentorship program.
 - 5) Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety and signs an "Evaluator Code of Ethics" for each exam administered.
 - b) Skill Station Evaluators
 - 1) Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.



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- 2) Be certified by the Division of Fire Safety as a Fire Service Instructor I or higher.
 - 3) Be certified by the Division of Fire Safety at the Hazardous Materials Operations level.
 - 4) Has completed the Certification Evaluator training and mentorship program.
 - 5) Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety and signs an "Evaluator Code of Ethics" for each exam administered.
- c) The Division understands that at times evaluators may be assigned to practical skill exams in which students of their departments may be participants. **At no time shall an evaluator evaluate members of their own departments.** Evaluators shall excuse themselves from their respective skill station and an evaluator that is not a member of the student's department will conduct the student's evaluations. It is the responsibility of the Supervising Evaluator to ensure students are not evaluated by their own department members.

D. Hazardous Materials Technician Practical Skill Exam

1. The course lead instructor must apply for practical skill testing a minimum of seven (7) calendar days prior to the requested exam date by submitting the appropriate Evaluator Confirmation form to the Division.
2. The assignment of all evaluators for a specific Hazardous Materials Technician Practical skill examination are approved by the Division of Fire Safety.
 - a) Supervising Evaluator Qualifications
 - 1) Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.
 - 2) Be certified by the Division of Fire Safety as a Fire Service Instructor II or higher.
 - 3) Be certified by the Division of Fire Safety at the Hazardous Materials Technician level.



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- 4) Has completed the Certification Evaluator training and mentorship program.
- 5) Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety and signs an "Evaluator Code of Ethics" for each exam administered.

b) Skill Station Evaluators

- 1) Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.
- 2) Be certified by the Division of Fire Safety as a Fire Service Instructor I or higher.
- 3) Be certified by the Division of Fire Safety at the Hazardous Materials Technician level.
- 4) Has completed the Certification Evaluator training and mentorship program.
- 5) Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety and signs an "Evaluator Code of Ethics" for each exam administered.

- c) The Division understands that at times evaluators may be assigned to practical skill exams in which students of their departments may be participants. **At no time shall an evaluator evaluate members of their own departments.** Evaluators shall excuse themselves from their respective skill station and an evaluator that is not a member of the student's department will conduct the student's evaluations. It is the responsibility of the Supervising Evaluator to ensure students are not evaluated by their own department members.

- E. All evaluators for all practical skill testing must be pre-approved prior to any skill exam. The Division has the right to approve or deny any evaluator.

V. Practical Skill Testing Site and Safety Procedures

A. Testing Locations

1. The Lead Instructor must ensure that adequate space and facilities are available for manipulative skills testing. Supervising Evaluators shall not administer any examinations where adequate facilities are unavailable.



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B. Hazardous Materials End of Course Practical Skill Exams Safety Plan

1. During practical skills testing, the safety of all candidates, evaluators, and support staff is of primary importance. The Supervising Evaluator must ensure that all personal protective equipment, apparatus, and equipment to be used for the test shall meet or exceed applicable NFPA Standards or their equivalent. Supervising Evaluators shall not administer any examination where those standards have not been met and shall immediately contact the Division of Fire Safety.
 2. The host agency, where the test is to be conducted, has the ultimate responsibility for the safety of all parties involved in the testing process. A Safety Officer shall be selected from either the support staff or from the available members of the fire department who are not testing. This Safety Officer should be an individual with sufficient training and experience to determine potential safety problems and take corrective action.
 3. A safety plan will be completed by the Safety Officer and the Supervising Evaluator. Once completed all students, evaluators and support staff will be briefed on the safety training plan prior to the commencement of any practical skills testing being conducted.
 4. The Supervising Evaluator and Safety Officer shall brief all assisting evaluators and support staff on specific safety precautions and procedures for certain skills. The Safety Officer shall operate in a roving fashion to ensure that all evolutions are being conducted in a safe manner. The Safety Officer has the authority, regardless of rank, to stop any activity immediately if a dangerous condition or act is observed. Any individual involved with the testing process who observes a potentially hazardous condition must report it to the Safety Officer or an evaluator.
- C. All injuries shall be reported to the lead instructor and/or lead evaluator at the first available opportunity. For injuries requiring medical treatment beyond basic First Aid, the injury must be reported to the Division of Fire Safety at the first available opportunity.
- D. Supervising Evaluator's primary responsibilities for Hazardous Materials End of Course Practical Skill Exams include:
1. Conducting a site and prop safety checks.
 2. Prepare a Safety Plan with the assistance of the designated Safety Officer.



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3. Conduct a pre-test briefing with the evaluators.
 4. Conduct student sign-in and verify student identification.
 5. Supervise evaluators.
 6. Manage the flow of students to each practical skills station.
 7. Conduct or assign all re-tests of students failing any practical skill station.
 8. Ensure each student's paperwork is correctly and completely filled out by each evaluator.
 9. Complete the Practical Skills Summary sheets, sign Summary sheet and review with student by having the student sign the Summary sheet.
 10. Mail all testing documents to the Missouri Division of Fire Safety within 72 hours of completing any Practical Skill Testing.
- E. Evaluator responsibilities for all Practical Skill Testing include:
1. Assist in the student sign-in and verification of identification process.
 2. Conduct practical skill station evaluations of student performance.
 3. Conduct re-tests of students that were initially evaluated by another evaluator, if assigned by the Supervising Evaluator.
 4. Ensure each student's paperwork is completed at the conclusion of each skill station.
- F. ***IMPORTANT: Individuals arriving at the practical skill certification test with facial hair that comes into contact with the SCBA face piece shall not be allowed to test. Exam evaluators have the authority to deny testing to these individuals. Ref: NFPA 1500 and OSHA ruling 29 CFR 1910.134(g)(1)(i) Evaluator Requirements.***



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VI. Practical Skill Testing Procedures

A. Hazardous Materials Operations Practical Skills Exam

1. The Division will send a confirmation email approval to the Lead Instructor and all approved evaluators prior to the practical skill exam listing:
 - a) The assigned Supervising Evaluator.
 - b) All approved evaluators.
 - c) Date and location of the Practical Skills exam.
 - d) Any instructions not covered in this policy booklet.
 - e) A copy of the Hazardous Materials Operations Practical Skills Book for their review.
2. The Division approved evaluators will be present and in close proximity to observe the successful completion of the required skills, as specified on the Hazardous Materials Operations Practical Skill Testing form provided by the Division of Fire Safety.
3. The evaluator witnessing the students performing the skills for the Hazardous Materials Operations skills must sign the students' Hazardous Materials Operations Practical Skills Testing form for the specific skill and indicate pass/fail for that skill.
4. The Hazardous Materials Operations practical skill exam will be tested in a scenario based format, testing the Job Performance Requirements (JPRs) required to achieve the assigned objectives. Students, working as a team of three (3), given work assignments by the skill evaluator will have multiple skill sheets the students must perform to achieve the stated outcome for the scenario.

B. Hazardous Materials Technician Practical Skill Exam

1. The Division will send a confirmation email approval to the Lead Instructor and all approved evaluators prior to the practical skill exam listing:
 - a) The assigned Supervising Evaluator.
 - b) All approved evaluators.
 - c) Date and location of the Practical Skills exam.



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- d) Any instructions not covered in this policy booklet.
 - e) A copy of the Hazardous Materials Technician Practical Skills Book for their review.
2. The Division approved evaluators will be present and in close proximity to observe the successful completion of the required skills, as specified on the Hazardous Materials Technician Practical Skill Testing form provided by the Division of Fire Safety.
 3. The evaluator witnessing the students performing the skills for the Hazardous Materials Technician skills must sign the students' Hazardous Materials Technician Practical Skills Testing form for the specific skill and indicate pass/fail for that skill.
 4. The Hazardous Materials Technician practical skill exam will be tested in a manipulative skill based format, testing the mastery of the students against the selective practical skill sheet.
 5. The Division will ship by UPS a Hazardous Materials Technician practical skill exam packet to the Supervising Evaluator approximately 5 calendar days prior to the scheduled practical skill exam. The packet will contain the following:
 - a) A random selection of skills to be performed by the students.
 - b) A blank Practical Skill Exam sign-in Roster
 - c) Certification Exam Evaluator instructions.
 - d) Hazardous Materials Technician Practical Skill Exam Summary Sheet. One (1) for each student.
 - e) Hazardous Materials Technician Certification Exam recommended equipment and facilities list.
 - f) Evaluator Code of Ethics form.
 - g) Facial hair during testing policy
 - h) A pre-paid envelope to be used to return all testing documents.



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6. Practical Skill Exam
 - a) Any of the practical skills in the Hazardous Materials Operations and Technician Practical Skills Book are eligible to be tested during the Practical Skill Exam.
 - b) Hazardous Materials Operations and Technician Practical Skills are tested by a random selection of skills assigned by the Division.
 - c) Student Performing Individual Skills
 - (1) Student Performance
 - (a) Prior to the student performing the assigned practical skill at a skill station, the evaluator will hand a copy of the selected skill sheet to the student for their review.
 - (b) The evaluator will allow the student a 1 minute review of the skill sheet.
 - (c) After completing the skill sheet review, the evaluator will then take back possession of the skill sheet given to the student.
 - (d) When the student is ready, the evaluator will read the instruction statement to the student and have the student perform the skill.
 - (2) The steps required to successfully perform the exam skills are identical to those outlined in the students Practical Skills Book. However, the elements on the evaluator skills checklists have been prioritized to indicate which steps result in immediate failure of each skill.
 - (3) The priority steps involve either items vital to proper completion of the skills or safety issues. Depending on the skills, the candidate is allowed to miss one or two of the remaining steps.
 - (4) The number of steps allowed to be missed is identified on each skill checklist. Evaluator will not advise candidates which elements are priority steps.



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- d) A student must successfully demonstrate all practical skills tested at each skill station during the Practical Skill Exam.
- e) Each student is allowed two attempts to successfully demonstrate a given skill.
- f) If a student fails a skill, requests for a second attempt on a failed skill station must be directed to the Supervising Evaluator.
- g) The second attempt shall be conducted by the Supervising Evaluator, unless assigned to an evaluator that did not conduct the initial attempt.
- h) Students who need a second attempt are not allowed to confer with other students, instructors, or evaluators to relearn/practice a skill. Students may review the appropriate Practical Skills Book but no other references are allowed.
- i) During the second attempt, the student re-testing will only be required to repeat the skill station originally failed and must complete the entire skill not just the portion of the skill the student initially failed.
- j) A student must successfully demonstrate mastery of each priority step within each specific skill. If a student fails one particular skill, after having two attempts, he or she fails the entire practical skill exam.
- k) Should the student fail the practical exam, he or she will be required to take an approved Hazardous Materials course again before being allowed to take another test for the same certification level.
- l) After the completion of the practical skill exam, testing documents must be submitted to the Division of Fire Safety within seven (7) working days.



Hazardous Materials Technician

Recommended Minimum Equipment List

Identify and Monitor Hazardous Materials Skill

1. Colorimetric Hand Pump or equivalent
2. Minimum of 3 assorted colorimetric tubes
3. Colorimetric reference manual or guide sheet
4. Carbon Monoxide meter, combustible gas indicator, oxygen meter or multi-gas meter
5. WMD detection equipment
6. NIOSH Pocket Guide
7. Photo Ionization Detector
8. pH paper
9. pH test strips
10. Pipetts
11. Radiation survey meter kit
12. Personal Radiation monitor
13. Chemical classifier Kit
14. Field level decon supplies
15. Non-sparking Bung Wrench
16. Collection and sampling equipment
 - a. Glass tube or disposable polypropylene/PVC bailer
 - b. Non-sparking sample pole, extendible to 10 feet
 - c. Glass and plastic sample cups and bottles (glass for chemical samples, plastic for bio samples)
 - d. Transfer pipettes
 - e. Dacron swabs
 - f. Parafilm
 - g. Evidence tape
 - h. Plastic Bags
 - i. Syringes and tubing
 - j. Stainless steel spoons
 - k. Shovels
 - l. Scoops
 - m. Scalpels
 - n. Spatulas
 - o. Glass containers (jars with lids)

Decontamination Functions

1. Emergency Response Guide (ERG)
2. NIOSH Pocket Guide
3. ICS 201-OS form
4. Suggestive equipment



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- a. Area Control Equipment (i.e.: Barrier tape, cones, barriers)
- b. Tarps
- c. Garden hoses and nozzles
- d. Water manifold
- e. Pools
- f. Stools or chairs
- g. Buckets
- h. Brushes
- i. Decontamination solution (i.e.: liquid soap)
- j. Rolls of duct tape
5. Diagrams of Level 1 and 2 decontamination
6. 1½ - 1¾ “ fire hose and water supply
7. Incident action Plan
8. Multi-gas meter
9. PID monitor

Personal Protective Equipment

1. Level A vapor-protective clothing, liquid-splash and chemical protective clothing
2. Level B (Tychem suits) non-encapsulating liquid-splash and chemical protective clothing
3. Duct tape
4. Self-Contained Breathing Apparatus (SCBA)
5. Other respiratory protection
6. Chemical resistant rubber boots
7. Rubber Gloves/latex gloves

Perform Control Functions for a Pressure Vessel

1. 100 lbs. or greater pressure vessel that has been modified with piping and valve. (An air/water supply must simulate all the required leaks)
2. 1-ton pressure vessel that has been modified with piping and valves (An air/water supply must simulate all the required leaks)
3. Chlorine tank car dome simulator (An air/water supply must simulate all the required leaks)
4. Chlorine A Kit
5. Chlorine B Kit
6. Chlorine C Kit
7. Appropriate PPE

Perform Control Functions for a 55 Gallon Drum

1. 4 - 55 gallon drums: 1 with a nail puncture, one with a forklift puncture, one with a chime leak, and one with a leaking closure (bung)
2. Bung wrench
3. Plug and patch kit
4. Plug and dike patching paste



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5. 1 over-pack drum
6. Level A PPE and SCBA

Perform Control Functions for a MC-306/DOT-406

1. 1 – MC306/DOT406 cargo tank or
2. 1 – Cargo tank dome cover training simulator
3. 1 – LEL monitor
4. Dome Cover Clamp(s)
5. Level C or D PPE
6. Grounding equipment Kit
 - a. Ground rod (5' minimum)
 - b. Ground clamps
 - c. Grounding cable (1/8" stainless steel or 8 AWG min.)
 - d. Non-sparking hammer

Application for Hazardous Materials Course Delivery



Department of Public Safety
Division of Fire Safety
PO Box 844
Jefferson City, MO 6510
(573) 522-2426
FAX (573) 751-1744
Website: www.dfs.dps.mo.gov

Location for Course		Start Date	Expected End Date	Est. # of Students
Street Address		City		Zip Code
Course to be Delivered:		Curriculum to be used:		
<input type="checkbox"/> Awareness <input type="checkbox"/> Operations <input type="checkbox"/> Technician				
Location of Course Records:		Person Responsible for Records:		
Lead Instructor Information:				
Last 4 SSN #	Last Name	First Name		
Mailing Address of Instructor		City	State	Zip Code
Email Address		Phone Number		
Host Agency Information:				
Agency Name		Agency Phone #	County	
Lead Instructor Signature			Date	

Division of Fire Safety Use Only			
	Date	Initials	Notes:
Approval Granted			
Approval Email Sent			
Course Schedule Data Entry			

Hazardous Materials Course Instructor List



Department of Public Safety
Division of Fire Safety
PO Box 844
Jefferson City, MO 6510
(573) 522-2426
FAX (573) 751-1744
Website: www.dfs.dps.mo.gov

Check type of course: ☐ Awareness ☐ Operations ☐ Technician

Host Agency: _____

Course Location: _____

LEAD INSTRUCTOR: _____

THIS FORM MUST BE SUBMITTED TO THE DIVISION PRIOR TO THE START OF THE COURSE OR AFTER ADDING ADDITIONAL INSTRUCTORS. INSTRUCTORS MUST BE PRE-APPROVED BY DFS PRIOR TO THEM DELIVERING ANY PORTION OF THE COURSE.

Course Assisting Instructors

Last name	First Name	Email address

Submit additional pages if required

Application for Hazardous Materials Practical Skills End of Course Exam



Department of Public Safety
Division of Fire Safety
PO Box 844
Jefferson City, MO 65102
(573) 522-2426
FAX (573) 751-1744
Website: www.dfs.dps.mo.gov

To be completed by Fire Chief, Lead Instructor or Academy Representative

Host Agency for Course		Test Site Location		Requested Test Date
Street Address	City	Zip Code	Start Time of Skills Exam	
Fire Chief's or Academy Representative's Name			Contact Phone Number	
Email address			Assigned Safety Officer (required)	
Requested Evaluators Legal Names: Note Refer to the Guide for Lead Instructor for minimum evaluator requirements.				
Supervising Evaluator:				
Station Evaluator:		Station Evaluator:		
Station Evaluator:		Station Evaluator:		
Station Evaluator:		Station Evaluator:		
Date Course will be completed		Number of Students to be tested		
Testing requested for:				
<input type="checkbox"/> Operations <input type="checkbox"/> Technician				
Test dates and evaluators will not be confirmed until all course documentation has been received and approved by the Division of Fire Safety				
Signature (Fire Chief, Lead Instructor or Academy Representative)				Date

This completed form must be received by the Division of Fire Safety no less than 10 CALENDAR DAYS prior to the desired Practical Skills Test date.

Division of Fire Safety Use Only		
	Signature	Date
Approval Granted and Confirmation Sent		
Note:		



Missouri Division of Fire Safety

Hazardous Materials Certification Booklet

NFPA 1072-2017



FIRE FIGHTER I AND II

Certification Booklet

Hazardous Materials Certification

I. Hazardous Materials Certification Requirements

- A. Hazardous Materials Awareness certification is intended to be the basis of all future Hazardous Materials certification programs. No individual shall attain Hazardous Materials state certification without first completing an approved Hazardous Materials course.
- B. Applicants seeking certification as a Hazardous Materials Operations, must have met the requirements for Hazardous Materials Awareness certification according to NFPA Standard 1072 current edition. Applications seeking certification as a Hazardous Materials Technician, must have met the requirements for Hazardous Materials Awareness and Operations certification according to NFPA Standard 1072 current edition.
- C. Certification is granted to those individuals who meet the required qualifications and successfully pass the certification written and practical skills examinations for the level the individual is seeking certification.
- D. The requirements for Hazardous Materials Awareness, Operations and Technician are based on the *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, NFPA 1072 current edition.
- E. All general requirements must be met and documentation supplied to the Division of Fire Safety prior to admission to the written and/or practical skill examinations.
- F. Applicants have one year from the time of course completion to complete the certification process for each level of certification.

II. General Requirements for Hazardous Materials Awareness Certification

- A. Certification as Hazardous Materials Awareness will be issued to those individuals who have met the following guidelines and provided documentation verifying:
 - 1. Applicants must meet the requirements for High school graduation as established by the Missouri Department of Education, or the requirements as established for home school students in the State of Missouri, or provide verification of having been accepted into a higher level of education (for example: Technical College, Community College, 2 or 4 year College or University). Students not meeting at least one of these requirements will be considered on a case by case basis by the Division of Fire Safety.
 - 2. Applicant must be a resident of Missouri, employed with a first responder agency within the state or be a student of a recognized academy/educational entity enrolled in a Hazardous Materials Awareness course.



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3. Must be at least 18 years of age and possess a valid state or federal issued photo identification.
4. Have successfully completed an approved Missouri Hazardous Materials Awareness training program as verified by the course Lead Instructor.
5. Must meet the medical and physical fitness requirements to perform the task of fire fighter as determined by the local authority having jurisdiction.
6. Attain a minimum score of 70% on the state Hazardous Materials Awareness certification written examination.

III. General Requirements for Hazardous Materials Operations Certification

- A. Certification as Hazardous Materials Operations will be issued to those individuals who have met the following guidelines and provided documentation verifying:
 1. All requirements as stated above for Hazardous Materials Awareness certification.
 2. Have successfully completed an approved Missouri Hazardous Materials Operations training program as verified by the course Lead Instructor.
 3. Be certified by the Missouri Division of Fire Safety to the Hazardous Materials Awareness level.
 4. Attain a minimum score of 70% on the state Hazardous Materials Operations certification written examination.
 5. Passed all practical skills exams tested during an approved Missouri Division of Fire Safety Hazardous Materials Operations practical skill examination.

IV. General Requirements for Hazardous Materials Technician Certification

- A. Certification as Hazardous Materials Technician will be issued to those individuals who have met the following guidelines and provided documentation verifying:
 1. All requirements as stated above for Hazardous Materials Awareness and Operations certification.
 2. Have successfully completed an approved Missouri Hazardous Materials Technician training program as verified by the course Lead Instructor.
 3. Be certified by the Missouri Division of Fire Safety to the Hazardous Materials Awareness and Operations levels.



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4. Attain a minimum score of 70% on the state Hazardous Materials Technician certification written examination.
5. Passed all practical skills exams tested during an approved Missouri Division of Fire Safety Hazardous Materials Technician practical skill examination.

V. Certification Testing

A. Application for Written Testing for Hazardous Materials Certification.

1. Applicants shall meet the general requirements as stated above.
2. The following information must be submitted to the Division of Fire Safety prior to testing:
 - a) *A completed "Application for Written Testing" completed by the applicant.*
 - b) *Complete the "Authorization for Release of Information" section of the application. Sign and date the application.*
 - c) *Copy of educational documentation as stated.*
 - d) *Copy of a valid state or federal issued photo identification.*
3. Candidates applying for testing will be notified of confirmation of the test date and location by the Division of Fire Safety. Regional test dates and locations are published at <http://www.dfs.dps.mo.gov>.

B. Practical Skill Testing

1. Candidates shall meet the general requirements as stated above.

VI. Certification Written Testing

- A. Students may schedule for their initial written testing after being notified by the Division of their testing eligibility.
- B. The Certification Written Examinations consist of 50 multiple choice questions for Hazardous Materials Awareness and 100 multiple-choice questions for Hazardous Materials Operations and Technician each.
- C. Hazardous Materials Awareness has a one (1) hour time limit. Operations and Technician exams have a two (2) hour time limit each.



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- D. For Hazardous Materials Awareness and Operations, each question is referenced to NFPA Standard 1072 current edition, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*, current edition of the *Emergency Response Guidebook (ERG)* and *Hazardous Materials for First Responder*, 5th Edition, IFSTA. For Hazardous Materials Technician, each question is referenced to NFPA Standard 1072 current edition, *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications* and *Hazardous Materials Technician*, 2nd Edition, IFSTA
1. A student must score 70% or better to pass a Missouri Division of Fire Safety Certification Written Examination.
 2. In the event of failure:
 - a) A student who has failed the written exam on the first attempt can retest at a later date. A student may schedule a retest by submitting an "Application for Written Testing". Students may retest during a scheduled regional exam or at the Division of Fire Safety's Office. A different version of the exam will be administered. Application for testing must be made within one year of course completion.
 - b) Should the student fail the written test on the second attempt, he/she will be required to take an approved Fire Fighter I and/or Fire Fighter II course again before being allowed to take another test for the same certification level.

Sample Test Question

1. The clove hitch is essentially____.
 - a. a half-hitch
 - b. two half hitches
 - c. three loops like half-hitches
 - d. a half hitch with a safety



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VII. Saving Clause

- A. The qualifications developed in this program shall not be used to render invalid any rank, qualification or appointment acquired prior to the adoption of this program.

VIII. Suspension, Revocation or Denial of Certification

- A. Refer to the MO Division of Fire Safety Certification Policy & Procedure Manual, Article V.

IX. Appeal of Suspension, Revocation or Denial

- A. Refer to the MO Division of Fire Safety Certification Policy & Procedure Manual, Article VI.

X. Certification by Equivalency

- A. Refer to the MO Division of Fire Safety Certification Policy & Procedure Manual, Article VII.

XI. Certification by Reciprocity

- A. Refer to the MO Division of Fire Safety Certification Policy & Procedure Manual, Article VIII.

XII. Application for Written Certification Testing

- A. Application for Written Certification Testing can be found at:
http://dfs.dps.mo.gov/documents/forms/MO_815-F0044.pdf

