

****FIRE FIGHTER I****

CERTIFICATION TEST

DOCUMENTATION BOOKLET

MSU Fire Services Training School

409 14th Street Southwest – Suite 1

Great Falls MT 59404-3297

Phone: (406) 761-7885

Fax: (406) 268-3735

Website: <http://www.montana.edu/wwwfire>

This certification process is accredited by:



International Fire Service Accreditation Congress (IFSAC)

and

National Board on Fire Service Professional Qualifications (Pro Board)

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**MSU EXTENSION SERVICE FIRE SERVICES TRAINING SCHOOL
FIRE FIGHTER 1 TEST
(PLEASE PRINT LEGIBLY)**

Candidate's Name _____
First Middle Last

Candidate's Home Address _____

Phone Contact _____ **Secondary Phone Contact** _____

Email _____

Name of Fire Service Organization (FSO) of which you are a member:

Mailing Address of Fire Service Organization (FSO) of which you are a member:

Name of the Chief of the Fire Service Organization (FSO) of which you are a member.

Daytime phone contact for your Chief _____

TEST INSTRUCTIONS (PLEASE READ CAREFULLY!)

A Fire Fighter 1 Candidate has an **18 month period** to complete this test. Once the FSTS administered portion of the test has begun, it must be completed **within 9 months**. This period begins with the first test date entered and ends with the last test date a skill was demonstrated and recorded. **Notification:** When testing is planned or scheduled, contact your local FSTS Field Trainer and give notice of the dates, times, and location of the testing. Occasionally, the FSTS Field Trainer is required to observe local testing to ensure compliance with accreditation and certification rules. Reference materials from any source may be used by the Candidate to complete the locally administered, open resource portions of the testing process. **All answers and signatures in this test booklet must be hand written.** The (FSTS) Fire Fighter 1 Coaching Package is a vital training tool for instructors teaching the tactical skills listed inside the rear cover. Other resources are listed after some test elements and are available from the FSTS Resource Center.

The Chief Officer (CEO) of your Fire Service Organization **must** sign off in the signature block under "Fitness Requirements" and "Facilities and Equipment Compliance" **before any testing begins**. An FSTS authorized test administrator, a certified instructor or Chief Officer of the Department who has a Proctor's Affidavit on file with the FSTS must sign off each signature block and enter the date after witnessing your completion of each element. Every signature block must be signed and dated. The individual who conducts the test for an element and signs off a block, must be someone other than the instructor the Candidate was trained and learned the skill from. Original signatures are required. The reference source cited after each element is the authoritative source for satisfactory performance.

Safety - All of the performance elements/objectives shall be performed swiftly, safely, and with competence. Each element/objective shall be demonstrated in its entirety.

Fitness Requirements

The signature of the Chief of the Fire Service Organization is evidence to FSTS that the candidate has met local requirements with regard to good physical and mental condition and has a background indicating good moral character. The local chief should ensure that the candidate has an appropriate background and physical and mental condition prior to beginning this test. NFPA 1582 (*Medical Requirements for Fire Fighters*) is recommended for use by local authorities in assessing the physical and medical evaluation of candidates.

Chief Officer's Signature

Date

Facilities, Equipment and NFPA 1403 Compliance:

The signature of the chief of the Fire Service Organization is evidence to FSTS that the facilities and equipment used for testing are in compliance with applicable NFPA Standards and NFPA 1403 Standard on Live Fire Training Evolutions is followed.

Chief Officer's Signature

Date

Signature Verification:

For the purpose of signature verification to sign off in this test booklet I certify my signature as:

Signed:

Printed Name:

If you have questions, contact the FSTS at (406) 761-7885 during office hours, or any of the following representatives:

| | | |
|------------------|----------------|---------------------------|
| Troy Petersen | (406) 836-0086 | Great Falls |
| Terry Larson | (406) 868-0655 | Billings |
| Jerry Prete | (406) 461-2274 | Miles City |
| Craig Jeppson | (406) 498-5444 | Dillon |
| Jessica Kinzer | (406) 249-5590 | Kalispell |
| Rick Paulsen | (406) 381-2390 | Missoula |
| Brandon Brunelle | (406) 230-2472 | Glasgow |
| John Culbertson | (406) 771-4328 | FSTS Office - Great Falls |

Upon Completion of this Test Documentation Booklet, make a copy for your records, then give to an FSTS Staff Member OR send to FSTS via certified mail. FSTS Address: MSU Fire Services Training School - Certification Program, 409 14th Street SW–Ste 1, Great Falls, Montana 59404.

Duration of Certification:

Accredited certifications issued by the Montana Fire Services Training School do not have an expiration date. However, for purposes of progression within the FSTS certification system, a certification is recognized for five years from the test completion date. The policy regarding this is part of the Montana Fire Service Professional Qualifications Certification System, which is adopted by the Fire Services Training School Advisory Council. The policy is shown below.

304 Duration of Certification

- 304.1 Certifications issued under this system are recognized for purposes of progression within the system from the test completion date to the date a revised testing process is implemented by FSTS, however, certification will be recognized for progression purposes for a minimum of 5 years from its date of issuance.
- 304.2 Individuals with certifications which have lapsed under 304.1, are treated as new to the level or system and must be re-tested to the current standard for a given level.

Definitions and Acronyms - The following definitions and acronyms for the terms indicated are intended for use with the Certification Program.

Approved - Acceptable to the FSTS or their authorized representative.

Authority having jurisdiction - Fire Services Training School (FSTS).

Candidate - The person who has made application for certification.

Define - To describe the basic qualities and principles.

Demonstrate - To show by actual use or simulation.

EAP - Employee Assistance Program

Fire company - Subpart of FSO to which an individual is assigned.

Fire department - An agency of government charged with primary fire protection responsibility within a city, county, reservation or district.

FSO - Fire service organization.

FSTS Website – <http://www.montana.edu/wwwfire>

Element – A single item, task or tactic that is tested under this program.

Identify - To physically select, indicate, or explain verbally or in writing, using standard terms recognized by the fire service.

IMS - Incident Management System

May - The term is used to state a permissive use or an alternative method to a specified requirement.

Objective - A goal that is achieved through the attainment of a skill, knowledge, or both, which can be observed or measured.

Qualified - Having satisfactorily completed the requirements of the objectives.

PAR - Personnel Accountability Report

PASS - Personal Alert Safety System

Safely - To perform the objective without unreasonable risk or injury to self, others, apparatus or equipment.

Shall - The term indicates a mandatory requirement.

Swiftly - The time, as determined by the qualified evaluator or FSTS that it takes to perform the element satisfactorily.

Technique - The systematic procedure by which a task is accomplished.

With competence - Possessing the knowledge, skill, and judgment needed to perform indicated objectives satisfactorily.

Fire Fighter I - Locally Tested Portion
Administered by Local Chief Officer or Certified Instructor

4.1 General.

4.1.1 General Knowledge Requirements. (Resource: 7th Edition IFSTA ESSENTIALS of Fire Fighting p 12-28, 33-37, 198-201; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed., p 3-29)

Describe the organization of the fire department.

Candidate will provide a written narrative describing the operations and administrative staffing and duties of their Fire Service Organization (FSO).* Resource: Your FSO Leadership

Signed _____ **Date:** ____/____/____

Explain the Fire Fighter I's role as a member of the organization.

Candidate will provide a written narrative describing the role of fire fighter in their FSO.*
Resource: Your FSO Leadership

Signed _____ **Date:** ____/____/____

Explain the mission of the fire service and of the local fire department.

Candidate will provide a narrative describing the mission of their FSO.* Resource: Your FSO Leadership

Signed _____ **Date:** ____ / ____ / ____

Explain the function of a standard operating procedure.

Candidate will provide a written narrative explaining the function of a standard operating procedure.

(Resource: 7th Ed. IFSTA ESSENTIALS of FF p. 21, 49 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. P.16-17)

Signed _____ **Date:** ____ / ____ / ____

Explain fire department rules and regulations that apply to the Fire Fighter I.

Candidate will provide a written narrative which explains the rules and regulations that directly affect the Candidate. (The rules and regulations must, at a minimum, include the areas of duties and responsibilities, evaluation, and discipline.*) Resource: Your FSO Leadership

Signed _____ **Date:** ____/____/____

Explain the value of fire and life safety initiatives in support of the fire department mission and to reduce fire fighter line-of-duty injuries and fatalities.

Candidate will provide a written narrative explaining the value of fire and life safety initiatives as it relates to their fire service organization. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 24-25 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 40-41)

Signed _____ **Date:** ____/____/____

Explain the role of other agencies that may respond to emergencies.

Candidate will provide a written narrative explaining the role of EMS, law enforcement and other fire agencies that may respond to emergencies. Resource: Your FSO Leadership

Signed _____ Date: ____/____/____

Describe the signs and symptoms of behavioral and emotional distress.

Candidate will provide a written narrative describing the signs and symptoms of behavioral and emotional distress.

Signed _____ Date: ____/____/____

Describe the aspects of a member assistance program.

Candidate will provide a written narrative explaining the aspects of a member assistance program.

Resource: Local EAP or (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 34-36 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 48)

Signed _____ **Date:** ____/____/____

Explain the importance of physical fitness and a healthy lifestyle to the performance of the duties of a firefighter.

Candidate will provide a written narrative explaining the importance of physical fitness and a healthy lifestyle relating to the performance of the duties of a fire fighter. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 29-30 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 43)

Signed _____ **Date:** ____/____/____

Describe the responsibilities of a fire fighter as required by NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*, and adopted by the Candidate's FSO.

Candidate has been provided with a written copy of the FSO's responsibilities of fire fighters as required by NFPA 1500 and will provide a written narrative describing those responsibilities.

(Resource: NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*, and leadership or procedures of FSO; 7th Ed. IFSTA ESSENTIALS of FF, p. 29 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 40-42)

Signed _____ **Date:** ___/___/___

Locate information in departmental documents and standard or code material.

Candidate has demonstrated locating information in departmental documents and standards or code materials.

Signed _____ **Date:** ___/___/___

4.2 Fire Department Communications.

4.2.1 Initiate the response to a reported emergency, given the report of an emergency, fire department standard operating procedures, and communications equipment, so that all necessary information is obtained, communications equipment is operated correctly, and the information is promptly and accurately relayed to the dispatch center. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 58-63 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.145, FSTS Skills Testing Guide 4)

Candidate has initiated the response to a reported emergency.

Signed _____ **Date:** ___/___/___

4.2.2 Receive a telephone call, given a fire department business phone, so that procedures for answering the phone are used and the caller's information is relayed. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 58-63 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 145, FSTS Skills Testing Guide 5)

Candidate has demonstrated receiving a business telephone call.

Signed _____ **Date:** ___/___/___

4.3 Fireground Operations.

4.3.3 Establish and operate in work areas at emergency scenes, given protective equipment, traffic and scene control devices, structure fire and roadway emergency scenes, traffic hazards and downed electrical wires, photovoltaic power systems, battery storage systems, an assignment, and SOPs, so that procedures are followed, protective equipment is worn, protected work areas are established as directed using traffic and scene control devices, and the fire fighter performs assigned tasks only in established, protected work areas. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 38-40 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 59, FSTS Skills Testing Guide 38)

Signed _____ **Date:** ____/____/____

4.3.7 Attack a passenger vehicle fire operating as a member of a team, given PPE, an attack line, and hand tools, so that hazards are avoided, leaking flammable liquids are identified and controlled, protection from flash fires is maintained, all vehicle compartments are overhauled, and the fire is extinguished. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 696-704 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 684, 686-687, FSTS Vehicle Fire Tactic)

Signed _____ **Date:** ____/____/____

4.3.8 Extinguish fires in exterior Class A materials, given fires in stacks or piles, small unattached structures or storage containers that can be fought from the exterior, attack lines, hand tools and master stream devices, and an assignment, so that exposures are protected, the spread of fire is stopped, collapse hazards are avoided, water application is effective, the fire is extinguished, and signs of the origin area(s) and arson are preserved. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p.704-706 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 674, FSTS Skills Testing Guide 37)

Signed _____ **Date:** ____/____/____

4.3.10 Attack an interior structure fire operating as a member of a team, given an attack line, ladders when needed, personal protective equipment, tools, and an assignment, so that team integrity is maintained, the attack line is deployed for advancement, ladders are correctly placed when used, access is gained into the fire area, effective water application practices are used, the fire is approached correctly, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, the correct body posture is maintained, hazards are recognized and managed, and the fire is brought under control. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 720-725 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 654-662, FSTS Live Fire Incident Operations Tactic)

Signed _____ **Date:** ____/____/____

Explain potential long-term consequences of exposure to products of combustion. . (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 32 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 44-45)

Signed _____ **Date:** ____/____/____

Describe the states of matter in which fuels are commonly found. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 1052-1058 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 1109)

Signed _____ **Date:** ____/____/____

List the common types of fireground accidents or injuries and their causes. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 30-31 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 39-42)

Signed _____ **Date:** ____/____/____

4.3.11 Perform horizontal ventilation on a structure operating as part of a team, given an assignment, PPE, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke.

Describe the principles, advantages, limitations, and effects of horizontal, mechanical, and hydraulic ventilation. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 506-513; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.486-495)

Signed _____ **Date:** ____ / ____ / ____

Describe the products of combustion found in structure fires. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 124-126 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 82-83, 162-163)

Signed _____ **Date:** ____ / ____ / ____

Describe the signs, causes, effects, and prevention of backdrafts. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 156-157 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 174-175, 181)

Signed _____ **Date:** ____/____/____

Describe the relationship of oxygen concentration to life safety and fire growth. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 144-165 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p171-179.)

Signed _____ **Date:** ____/____/____

4.3.12 Perform vertical ventilation on a structure as part of a team, given an assignment, PPE, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished.

Describe the methods of heat transfer. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 131-135 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 164-166)

Signed _____ **Date:** ____/____/____

Describe the principles of thermal layering within a structure on fire. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 150 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 173)

Signed _____ **Date:** ____/____/____

Describe basic indicators of potential collapse or roof failure and the effects of construction type and elapsed time under fire conditions on structural integrity. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 93-97, 502-504; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 497-498, 499-500)

Signed _____ **Date:** ____/____/____

Describe the advantages and disadvantages of vertical and trench/strip ventilation. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 514-515, 520-521; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 495-497, 511-512)

Signed _____ **Date:** ____/____/____

4.3.13 Overhaul a fire scene, given PPE, an attack line, hand tools, a flashlight, and an assignment, so that structural integrity is not compromised, all hidden fires are discovered, fire cause evidence is preserved, and the fire is extinguished. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 740-746 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.753-762, FSTS Skills Testing Guide 25)

Signed _____ **Date:** ____/____/____

4.3.14 Conserve property as a member of a team, given salvage tools and equipment and an assignment, so that the building and its contents are protected from further damage. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 746-763 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 734-753,) FSTS Skills Testing Guide 21, 22, 23, 24, 26)

Signed _____ **Date:** ____/____/____

4.3.15 Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 587-594 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 526-538, FSTS Skills Testing Guide 29, 30)

Signed _____ **Date:** ____/____/____

4.3.16 Extinguish incipient Class A, Class B, and Class C fires, given a selection of portable fire extinguishers, so that the correct extinguisher is chosen, the fire is completely extinguished, and correct extinguisher-handling techniques are followed. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 254-258 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 231-260, FSTS Skills Testing Guide 32)

Signed _____ **Date:** ____/____/____

4.3.17 Operate emergency scene lighting, given fire service lighting equipment, power supply and an assignment, so that emergency scene lighting equipment is operated within the manufacturer's listed safety precautions. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 41-42 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 731-734, FSTS Skills Testing Guide 33)

Signed _____ **Date:** ____/____/____

4.3.19 Combat a ground cover fire operating as a member of a team, given protective clothing, SCBA if needed, hose lines, extinguishers or hand tools, and an assignment, so that threats to property are reported, threats to personal safety are recognized, retreat is quickly accomplished when warranted, and the assignment is completed. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 707-717 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 788-796, FSTS Skills Testing Guide 34)

Signed _____ **Date:** ____/____/____

4.3.20 Tie a knot appropriate for hoisting tools, given PPE, tools, ropes, and an assignment, so that the knots used are appropriate for hoisting tools securely and as directed.

(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 287-294; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.295-324)

Explain the primary usage of each of the following:

- 1) bowline _____
- 2) clove hitch _____
- 3) figure eight on a bight _____
- 4) half hitch _____
- 5) becket or sheet bend _____
- 6) safety knot _____

Given each of the following situations, describe the types of knots to use:

Hoist a 14' roof ladder to a third floor roof :

To hoist a Pike Pole to a roof : _____

Signed _____ **Date:** ___/___/___

Distinguish between life safety and utility ropes.

Candidate will provide a written narrative explaining the characteristics and uses of life safety and utility ropes. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 277-311 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.295-295-300)

Signed _____ **Date:** ___/___/___

Candidate will provide a written explanation of the reasons for placing a rope out of service. (Resource: 7th Ed. IFSTA ESSENTIALS of FF, p.282-283 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 301-304)

Signed _____ **Date:** ___ / ___ / ___

Given the proper size and amount of rope the Candidate has demonstrated each of the following:
(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 287-294; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.295-324, FSTS Skills Testing Guide 2)

Bowline:

Signed _____ **Date:** ___ / ___ / ___

Clove hitch:

Signed _____ **Date:** ___ / ___ / ___

Figure of Eight on the Bight:

Signed _____ **Date:** ___ / ___ / ___

Becket or Sheet Bend:

Signed _____ **Date:** ___ / ___ / ___

Safety Knot:

Signed _____ **Date:** ___ / ___ / ___

Candidate has demonstrated tying approved knot and hoisting tool at least 10 feet.
(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 287-294; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.295-324, FSTS Skills Testing Guide 1)

Signed _____ **Date:** ___ / ___ / ___

Candidate has demonstrated using a rope to tie ladders, hose and other objects to secure them.
(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 287-294; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.295-324, FSTS Skills Testing Guide 1)

Signed _____ **Date:** ___ / ___ / ___

4.5 Preparedness and Maintenance

4.5.1 Clean and check ladders, ventilation equipment, self-contained breathing apparatus (SCBA), ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise.

(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p. 324, 358-387, 413-414, 959-961; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p.333, 385-38, FSTS Skills Testing Guide 12)

Signed _____ **Date:** ____/____/____

4.5.2 Clean, inspect, and return fire hose to service, given washing equipment, water, detergent, tools, and replacement gaskets, so that damage is noted and corrected, the hose is clean, and the equipment is placed in a ready state for service.

(Resource: 7th Ed. IFSTA ESSENTIALS of FF, p.549-551 ; NFPA/IAFC FUNDAMENTALS OF FIRE FIGHTER SKILLS, 4th Ed. p. 570-572, FSTS Skills Testing Guide 19)

Signed _____ **Date:** ____/____/____

Hazmat Awareness and Operations
Locally Tested Portion Administered by Local Chief Officer or Certified Instructor

FSTS Website: <http://www.montana.edu/wwwfire/Hazmat.html>

Resources

- Emergency Response Guidebook:** Available in hard copy, mobile app, or online at <https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/docs/ERG2016.pdf>
- NIOSH Pocket Guide to Chemical Hazards:** Available in hard copy, mobile app, or online at <https://www.cdc.gov/niosh/npg/default.html>
- Montana Fire Services' Mutual Aid, Command and Field Operations Guide (Blue Book):** Available in hard copy or online at the FSTS website

4.2 Recognition and Identification

4.2.1(a). Use scenario #1 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release:

- Yes (see ERG, Page 1),
- No
- Unknown

Product name and/or ID # _____

Potential Hazards:

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population:

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions:

Temperature _____

Wind; direction _____, speed _____

Slope (towards/away from people/storm drains ect) _____

Others on the site _____

Criminal or Terrorist activity possible?: Yes (Secondary devices considered) No;

Initial isolation distances (Use ERG) _____

Scene/Access Control Plan:

Evacuation required

Yes

No

Notifications: (Resource: Emergency Response Guidebook, pp 5, 400-401, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Signed _____ Date: ____ / ____ / ____

4.2.1(b). Use scenario #2 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release:

Yes (see ERG, Page 1),

No

Unknown

Product name and/or ID # _____

Potential Hazards:

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population:

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions:

Temperature _____

Wind; direction _____, speed _____

Slope (towards/away from people/storm drains ect) _____

Others on the site _____

Criminal or Terrorist activity possible?: Yes (Secondary devices considered) No;

Initial isolation distances (Use ERG) _____

Scene/Access Control Plan:

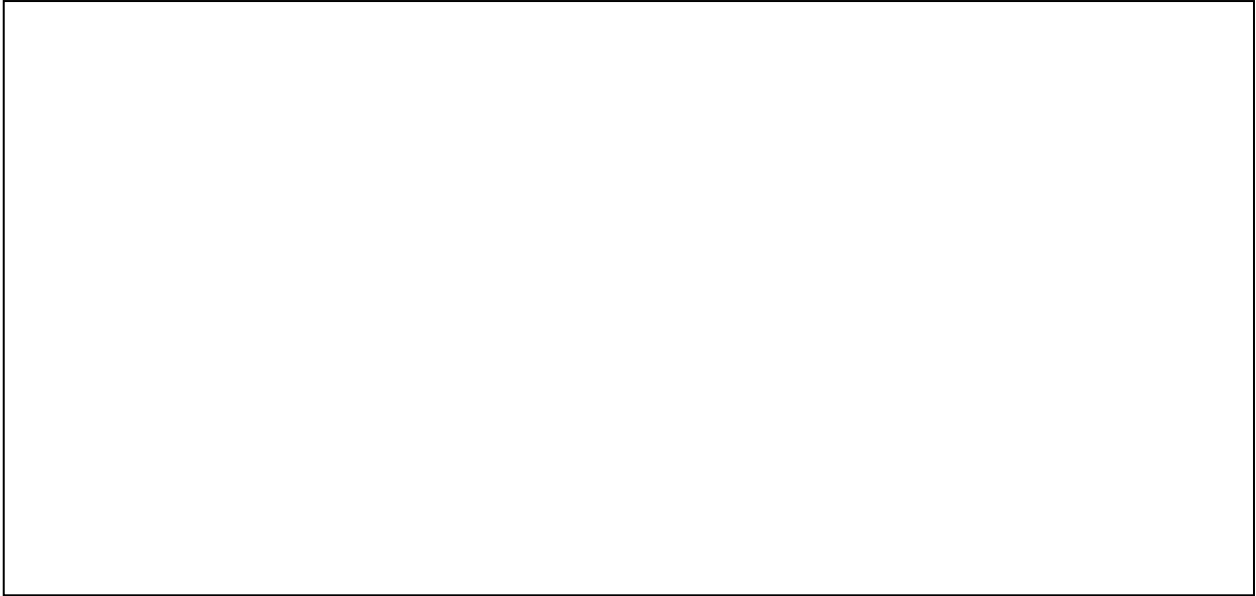
Evacuation required

- Yes
- No

Notifications: (Resource: Emergency Response Guidebook, pp 5, 400-401, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Signed _____ **Date:** ____ / ____ / ____

4.2.1(c). Draw the NFPA 704 Marking system and indicate the appropriate color of each diamond and the meaning of the color, symbol and number in same.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1179-80)



Signed _____ Date: ____ / ____ / ____

4.2.1(d). Refer to Scene 1 on the FSTS website. Name and describe this type of marking system and list the hazards shown on this container.
(Resource: Emergency Response Guidebook, pp 14-15, 7th Ed. IFSTA Essentials of Fire Fighting p 1180-1181)

Signed _____ Date: ____ / ____ / ____

4.2.1(e). Describe the types of pipelines used to transport hazardous materials and the information found on pipeline markers.

(Resource: Emergency Response Guidebook, pp 20-25, 7th Ed. IFSTA Essentials of Fire Fighting p 1145-1147)

Signed _____ **Date:** ____ / ____ / ____

4.2.1(f). Describe where shipping papers are found on different modes of transportation (road, rail, aviation, marine).

(Resource: Emergency Response Guidebook, inside front cover, 7th Ed. IFSTA Essentials of Fire Fighting pp 1200-1201)

Signed _____ **Date:** ____ / ____ / ____

4.2.1(g). Describe the information provided on shipping papers.

(Resource: Emergency Response Guidebook, inside front cover, 7th Ed. IFSTA Essentials of Fire Fighting pp 1200-1201)

Signed _____ **Date:** ____ / ____ / ____

4.2.1(h). Describe the information provided on safety data sheets and where they are typically found.
(Resource: Emergency Response Guidebook, inside front cover, 7th Ed. IFSTA Essentials of Fire Fighting pp 1200-1202)

Signed _____ Date: ____/____/____

5.2 Identify Potential Hazards

5.2.1(a). Use scenario #3 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release

- Yes (see ERG, Page 1),
- No
- Unknown

Product name and/or ID # _____

Potential Hazards

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions

Temperature _____
Wind; direction _____, speed _____
Slope (towards/away from people/storm drains ect) _____
Others on the site _____

Estimated Potential Hazard Behavior. Use ERG, NIOSH Pocket Guide to Chemical Hazards, Montana Fire Services' Mutual Aid, Command, and Field Ops Guide.

Solid Liquid Gas

Flammable Yes, LEL _____, UEL _____,
 No

Flash Point _____; Auto Ignition temp _____; Boiling Point _____

Will it Rise or Sink
Vapor Density (or Relative Gas Density) _____
Specific Gravity (for liquids only) _____
Mix with water Yes _____% soluble No

Will it Persist or Dissipate on its own, Vapor Pressure _____

Radioactive Yes, type and packaging _____; No

Reactivity/Incompatabilities _____

Risk Analysis

Credible information that a savable life exists

- Yes, take only highly calculated measures within the safety system of the incident to do a rescue.
- No, defensive operations only.

Criminal or Terrorist activity:

Yes

Indicators

- Chemical _____
- Biological _____
- Radiological _____
- Illicit Lab _____
- Explosives _____
- Other _____

Secondary devices considered

No

Initial isolation distances (Use ERG) _____

Scene/Access Control Plan

Evacuation required

- Yes
- No

Notifications (Resource: Emergency Response Guidebook, pp 14-15, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Required PPE _____

Emergency Decon Established

- Yes; Location _____
- No (not needed)

Signed _____ **Date:** ____ / ____ / ____

5.2.1(b). Use scenario #4 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release

- Yes (see ERG, Page 1),
- No
- Unknown

Product name and/or ID # _____

Potential Hazards

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions

Temperature _____

Wind; direction _____, speed _____

Slope (towards/away from people/storm drains ect) _____

Others on the site _____

Estimated Potential Hazard Behavior. Use ERG, NIOSH Pocket Guide to Chemical Hazards, Montana Fire Services' Mutual Aid, Command, and Field Ops Guide.

- Solid Liquid Gas

Flammable Yes, LEL _____, UEL _____,
 No

Flash Point _____; Auto Ignition temp _____; Boiling Point _____

Will it Rise or Sink
Vapor Density (or Relative Gas Density) _____

Specific Gravity (for liquids only) _____

Mix with water Yes _____% soluble No

Will it Persist or Dissipate on its own, Vapor Pressure _____

Radioactive Yes, type and packaging _____; No

Reactivity/Incompatibilities _____

Risk Analysis

Credible information that a savable life exists

- Yes, take only highly calculated measures within the safety system of the incident to do a rescue.
- No, defensive operations only.

Criminal or Terrorist activity:

Yes

Indicators

Chemical _____

Biological _____

Radiological _____

Illicit Lab _____

Explosives _____

Other _____

Secondary devices considered

No

Initial isolation distances (Use ERG) _____

Scene/Access Control Plan

Evacuation required

Yes

No

Notifications (Resource: 2016 Emergency Response Guidebook, pp 14-15, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Required PPE _____

Emergency Decon Established

Yes; Location _____

No (not needed)

Signed _____ **Date:** ____ / ____ / ____

5.2.1(c). Use scenario #5 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release

- Yes (see ERG, Page 1),
- No
- Unknown

Product name and/or ID # _____

Potential Hazards

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions

Temperature _____

Wind; direction _____, speed _____

Slope (towards/away from people/storm drains ect) _____

Others on the site _____

Estimated Potential Hazard Behavior. Use ERG, NIOSH Pocket Guide to Chemical Hazards, Montana Fire Services' Mutual Aid, Command, and Field Ops Guide.

- Solid Liquid Gas

- Flammable Yes, LEL _____, UEL _____,
- No

Flash Point _____; Auto Ignition temp _____; Boiling Point _____

- Will it Rise or Sink
- Vapor Density (or Relative Gas Density) _____

Specific Gravity (for liquids only) _____

Mix with water Yes _____ % soluble No

Will it Persist or Dissipate on its own, Vapor Pressure _____

Radioactive Yes, type and packaging _____; No

Reactivity/Incompatibilities _____

Risk Analysis

Credible information that a savable life exists

- Yes, take only highly calculated measures within the safety system of the incident to do a rescue.
- No, defensive operations only.

Criminal or Terrorist activity:

Yes

Indicators

- Chemical _____
- Biological _____
- Radiological _____
- Illicit Lab _____
- Explosives _____
- Other _____

Secondary devices considered

No

Initial isolation distances (Use ERG) _____

Scene/Access Control Plan

Evacuation required

- Yes
- No

Notifications (Resource: Emergency Response Guidebook, pp 14-15, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Required PPE _____

Emergency Decon Established

- Yes; Location _____
- No (not needed)

Signed _____ **Date:** ____ / ____ / ____

5.2.1(d). Use scenario #6 on the FSTS Website to complete the following. Check the boxes and fill in the blanks. Use N/A for not applicable. Do not leave blank boxes or lines.

(Resource: Emergency Response Guidebook, 7th Ed. IFSTA Essentials of Fire Fighting pp 1045-1205, 1217-1293, Montana Fire Services Mutual Aid, Command, and Field Operations Guide)

Call type: _____

Location: _____

Occupancy: _____

Actual release

- Yes (see ERG, Page 1),
- No
- Unknown

Product name and/or ID # _____

Potential Hazards

- Fire
- Explosion
- Health
- Other _____

Exposed or Potentially exposed population

- Yes (near by school, extended care facility, multi family, other _____)
- No

Container Type _____, ERG container page _____

Hazard Class/Division _____, ERG Hazard Classification page _____

Actual conditions

- Temperature _____
- Wind; direction _____, speed _____
- Slope (towards/away from people/storm drains ect) _____
- Others on the site _____

Estimated Potential Hazard Behavior. Use ERG, NIOSH Pocket Guide to Chemical Hazards, Montana Fire Services' Mutual Aid, Command, and Field Ops Guide.

Solid Liquid Gas

Flammable Yes, LEL_____, UEL_____,
 No

Flash Point_____; Auto Ignition temp_____; Boiling Point_____

Will it Rise or Sink
Vapor Density (or Relative Gas Density)_____
Specific Gravity (for liquids only)_____
Mix with water Yes_____ % soluble No

Will it Persist or Dissipate on its own, Vapor Pressure_____

Radioactive Yes, type and packaging_____; No

Reactivity/Incompatibilities_____

Risk Analysis

Credible information that a savable life exists

- Yes, take only highly calculated measures within the safety system of the incident to do a rescue.
- No, defensive operations only.

Criminal or Terrorist activity:

Yes

Indicators

- Chemical_____
- Biological_____
- Radiological_____
- Illicit Lab_____
- Explosives_____
- Other_____

Secondary devices considered

No

Initial isolation distances (Use ERG)_____

Scene/Access Control Plan

Evacuation required

- Yes
- No

Notifications (Resource: Emergency Response Guidebook, pp 14-15, 6th Ed. IFSTA Essentials of Fire Fighting pp 1470-71)

Required PPE _____

Emergency Decon Established

- Yes; Location _____
- No (not needed)

Signed _____ **Date:** ____ / ____ / ____

5.3 Identify Action Options

5.3.1(a). Describe types of contamination and the difference between exposure and contamination.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, p 1072-1073)

Signed _____ **Date:** ____ / ____ / ____

5.3.1(b). Describe the routes of entry of hazardous materials to the human body.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, p 1050)

Signed _____ **Date:** ____/____/____

5.3.1(c). Describe the types of decontamination.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1359-1365)

Signed _____ **Date:** ____/____/____

5.3.1(d). Describe the purpose, advantages, and limitations of emergency decontamination.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1362-1363)

Signed _____ Date: ____ / ____ / ____

5.4 Action Plan Implementation

5.4.1(a). Describe the protective action options of evacuation and sheltering-in-place.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1248-1249)

Signed _____ Date: ____ / ____ / ____

5.4.1(b). Describe heat disorders that personnel may experience on scene.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, p 1329)

Signed _____ Date: ____ / ____ / ____

6.2 Mission Specific: Personal Protective Equipment

6.2.1(a). Describe the importance of working under a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures when selecting and using PPE at a mission specific incident.

(Resource: NFPA 1072, 2017 ed, p33, A.6.1.6, <https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=1072>)

Signed _____ **Date:** ____ / ____ / ____

6.2.1(b). Describe the types and capabilities of PPE available for thermal, radiological, asphyxiating, chemical and biological hazards.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1312-1319, 1322-1325)

Signed _____ **Date:** ____ / ____ / ____

6.2.1(c). Describe the limitations of hazmat PPE to include permeation, penetration, degradation, and physical.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1320-1321)

Signed _____ **Date:** ____ / ____ / ____

6.2.1(d). Describe donning, doffing, and usage procedures of specialized hazmat PPE.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1337-1338)

Signed _____ **Date:** ____ / ____ / ____

6.2.1(e). Describe procedures for inspection, maintenance and storage of hazmat PPE.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1339)

Signed _____ **Date:** ____ / ____ / ____

6.6 Mission Specific: Product Control

6.6.1(a) Describe the following;
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1340, 1354)

Control:

Confinement:

Containment:

Extinguishment:

Signed _____ **Date:** ____ / ____ / ____

6.6.1(b). Describe nine product control methods and the safety precautions associated with each.
(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1340-1349)

Lined area for writing the answer to the question.

Signed _____ **Date:** ____ / ____ / ____

6.6.1(c). Describe the location and operation of remote/emergency shutoff valves of cargo tanks and facilities that contain flammable liquids and gases.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1355-1358)

Signed _____ **Date:** ____ / ____ / ____

6.6.1(d). Describe the characteristics and applicability of foam and absorbents as product control agents.

(Resource: 7th Ed. IFSTA Essentials of Fire Fighting, pp 1343,1348-1354)

Signed _____ **Date:** ____ / ____ / ____

PROCTOR'S AFFIDAVIT

Note: This form may be duplicated so each proctor has one to file.

Date: _____

Proctor's Name _____

By my signature, I hereby agree to administer testing for Montana State University - Fire Services Training School in a professional manner, with integrity, and in compliance with the letter and spirit of the regulations governing the operation of the Montana Professional Qualifications Certification System. I also certify that I have not been involved in the training of the candidate(s) for the skills which I am testing. I understand that any breach of this commitment will result in my immediate dismissal and possible legal action against me.

Proctor's Signature

Witness

****** PROCTOR IN-SERVICE TRAINING ******

Location of Training: _____

Lead Instructor: _____

Date of Training: ____ / ____ / ____

FSTS Tested Portion - Fire Fighter I Tactics

This page provides documentation for completion of the tactics required for Fire Fighter 1 certification. **Each Tactic must be signed off by a representative of the FSTS.** Other signatures will not be accepted on this page. Bring this Booklet with you when testing and be sure to have the appropriate sections completed by the evaluators **before** they leave the test site.

Exterior/Interior Fire Tactic as Fire Fighter A

Evaluator _____ **Date** _____

Exterior/Interior Fire Tactic as Fire Fighter B

Evaluator _____ **Date** _____

Enter/Isolate/Search 2nd Story Tactic as Fire Fighter A

Evaluator _____ **Date** _____

Enter/Isolate/Search 2nd Story Tactic as Fire Fighter B

Evaluator _____ **Date** _____

Fire Fighter Rescue as Fire Fighter A

Evaluator _____ **Date** _____

Fire Fighter Rescue as Fire Fighter B

Evaluator _____ **Date** _____

Flat Roof Access as Fire Fighter A

Evaluator _____ **Date** _____

Flat Roof Access as Fire Fighter B

Evaluator _____ **Date** _____

Pitched Roof Access as Fire Fighter A

Evaluator _____ **Date** _____

Pitched Roof Access as Fire Fighter B

Evaluator _____ **Date** _____

Hazmat Control Line, Remote Shutoff, Confinement, and Decontamination

Fire Fighter A

Evaluator _____ **Date** _____

Fire Fighter B

Evaluator _____ **Date** _____

Fire Fighter C

Evaluator _____ **Date** _____

PASS Activation

- Candidate has demonstrated the ability to activate PASS device, using only 1 hand to access and activate it and with obscured vision. Candidate must do so lying on their front and back, and demonstrate both activating and deactivating the device.

Evaluator_____ **Date**_____

Mayday Radio Traffic

- Candidate must demonstrate the ability to transmit mayday radio traffic in an emergency given a portable radio in full PPE and SCBA. Candidate must include who, what happened, where, and current air supply in the radio transmission. Candidate must demonstrate ability to cancel PASS alarm during the radio transmission. Candidate must utilize proper communication technique (closed loop). Candidate must perform skill lying on the floor with obscured vision.

Evaluator_____ **Date**_____