FIREFIGHTER II
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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NFPA 1010, Standard on Professional Qualifications for Firefighters

Chapter 7, Firefighter II

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MSU EXTENSION SERVICE FIRE SERVICES TRAINING SCHOOL
FIREFIGHTER II 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 candidate is a member:

_____

Mailing Address of Fire Service Organization (FSO) of which candidate is a member:

_____

Name of the Chief of the Fire Service Organization (FSO) of which candidate is a member.

_____

Daytime phone contact for candidate's Chief _____

TEST INSTRUCTIONS (PLEASE READ CAREFULLY!)

A Firefighter II Candidate has an **18-month period** to complete this test. Once the FSTS administered portion of the test has begun, the FSTS portion must be completed within **nine** months. The testing period begins with the first test date entered and ends with the last test date a skill was demonstrated and recorded.

Notification:
When planning demonstrated ability testing (local testing or FSTS task testing), contact your local FSTS Regional Training Manager and coordinate dates, times, and location of all testing. Training Managers are required to occasionally observe local testing to ensure compliance with accreditation and certification rules.

Reference materials:
Reference materials from any source may be used by the Candidate to complete the locally administered, open-resource portions of the testing process.

Resources:
The FSTS Coaching Package is a vital training tool for instructors teaching the tactical skills. Copies are available through FSTS Regional Managers or the FSTS officeCited references are available from the FSTS Resource Center.

All answers and signatures in this test booklet must be handwritten and legible.
The Chief Fire Officer (CFO) 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 proctor or Chief Officer must sign off each signature block and enter the date the task was completed for each element. All test administrators must have a Proctor's Affidavit on file with the FSTS.

Every signature block must be signed and dated. The dates on locally tested portions must reflect the date the task was performed. The individual evaluating a tested element must be someone other than the Candidate's primary instructor for the task. Original signatures are required. The cited reference associated with each element is the authoritative source for satisfactory performance of a task.

Safety - All 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 regarding 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.

_____ _____

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 follow applicable NFPA Standards including *NFPA 1403 Standard on Live Fire Training Evolutions.*

_____ _____

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:

John Culbertson	(406) 771-4328	FSTS Office - Great Falls
Brian Dodge	(406) 564-8380	Kalispell
Chris Mork	(406) 581-5315	Helena
Rick Paulsen	(406) 381-2390	Missoula
Troy Petersen	(406) 836-0086	Great Falls
Jerry Prete	(406) 461-2274	Miles City
Lyn Stimpson	(406) 461-4420	Montana City
Claude Weidow	(406) 781-0660	Great Falls

Upon Completion of this Test Documentation Booklet, make a copy for your records, then send to FSTS via certified mail to:

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 states:

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.

Use of Alternate Resources: If alternate resources beyond those listed in this test document are used, please cite the source using Author, Publisher, Title and or Web Site address (URL/DOI). FSTS reserves right to deny resources.

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 an 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.

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 II—Locally Tested Portion
Administered by Local Chief Officer or FSTS Proctor

7.1 General

7.1.1 General Knowledge Requirements

7.1.1(a) Describe the role of a Firefighter II within your Fire Service Organization (FSO). (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 7-48; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 928-959)

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Signed_____ **Date:** _____/_____/_____

7.2 Communications

7.2.1(a) Complete an incident report

- ❑ Candidate will complete a basic incident report for their FSO and attach a completed copy to the back of this Certification Documentation Booklet. Local forms must meet or exceed the content of the FSTS form. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 47-49; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 957-959)

OR

- ❑ Candidate will complete the attached FSTS Incident Report 7.2.1.A2 using the information from scenario 7.2.1A1. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 47-49; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 957-959)

Signed_____ **Date:** _____/_____/_____

7.2.1(b) Explain the importance of producing accurate incident reports and consequences of inaccurate reporting. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 47-49; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 958-959)

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Signed_____ **Date:** _____/_____/_____

7.3 Fireground Operations

7.3.1 Extinguish an ignitable liquid fire

7.3.1(a) Describe how foam prevents or controls a hazard. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 145-146; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 984-994)

Signed_____ **Date:** _____/_____/_____

7.3.1(b) Describe the principles by which foam is generated**.** (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 146-154; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 987-991)

Signed_____ **Date:** _____/_____/_____

7.3.1(c) Describe the causes of poor foam production and actions taken to correct poor foam generation. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 143-154, 170-173; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 981-994)

Signed_____ **Date:** _____/_____/_____

7.3.1(d) Describe the difference between hydrocarbon and polar solvent fuels and the concentrates that work on each. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 147-149; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 984-987)

Signed_____ **Date:** _____/_____/_____

7.3.1(e) Describe the characteristics, use, and limitations of firefighting foam. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 145-154; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 981-984)

Signed_____ **Date:** _____/_____/_____

7.3.1(f) Describe the different foam stream application techniques. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., p 156; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 992-994)

Signed_____ **Date:** _____/_____/_____

7.3.1(g) Describe the advantages/disadvantages of fog nozzles versus foam nozzles for foam application. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 153-154; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 989-992)

Signed_____ **Date:** _____/_____/_____

7.3.1(h) Describe the hazards associated with foam usage. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 149-150; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 986-987)

Signed_____ **Date: _____/_____/_____**

7.3.2 Coordinate an interior fire attack.

7.3.2(a) Describe dangerous building conditions created by fire and fire suppression. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 77-79; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 968-971)

Signed_____ **Date: _____/_____/_____**

7.3.2(b) Describe the indiciators of building collapse and structural instability. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 75-76; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 970-971)

Signed_____ **Date:** _____/_____/_____

7.3.2(c) Describe the effects of fire and fire suppression activities on wood, masonry, cast iron, steel, reinforced concreate, gypsum wallboard, glass, and plaster. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 59-70; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 182-183, 200-234)

Signed_____ **Date:** _____/_____/_____

7.3.3 Thermal Imaging

7.3.3(a) Describe the limitations of thermal imager use**.** (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., p 42; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 971-973)

Signed_____ **Date:** _____/_____/_____

7.3.4 Control a flammable gas cylinder fire.

7.3.4 (a) Describe the characteristics of pressurized flammable gas. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., p 158; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 978-98)

Signed_____ **Date:** _____/_____/_____

7.3.4(b) Describe the elements of a pressurized gas cylinder. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 158-165; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 979, 1220-1223)

Signed_____ **Date:** _____/_____/_____

7.3.4(c) Explain the effects of heat and pressure inside a closed gas cylinder. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 164-165; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 978-981)

Signed_____ **Date:** _____/_____/_____

7.3.4(d) Describe the signs and effects of a Boiling Liquid Expanding Vapor Explosion (BLEVE). (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 164-165; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 186-187, 980)

Signed_____ **Date:** _____/_____/_____

7.3.4(e) Describe the various methods for identifying the contents of a compressed gas cylinder.
(Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 158-163; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 977, 1222-1236, 1284-1298)

Signed_____ **Date:** _____/_____/_____

7.3.4(f) Describe a "safe haven" as the term applies to combatting flammable gas fires.
(Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., p 166; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., p 844)

Signed_____ **Date:** _____/_____/_____

7.3.4(g) Describe actions to be taken in the event a flammable gas fire is prematurely extinguished. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., p 166; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 977-981)

Signed_____ **Date:** _____/_____/_____

7.3.4(h) Describe the types and operation of various valves located on compressed gas cylinders. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 163-164; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 979-981, 1407-1410)

Signed_____ **Date:** _____/_____/_____

7.3.4(i) Describe the conditions associated with compressed gas cylinder fires that require a firefighting crew to retreat. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 166-167; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 978-983)

Signed_____ **Date:** _____/_____/_____

7.3.5 Protect evidence of fire cause and origin.

The candidate has documented and protected indicators of fire cause and origin according to evidence protection policy and procedures of the FSO. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 190-195, 198-199; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1174-1182; Firefighter II Local Testing Guide 01)

Signed_____ **Date:** _____/_____/_____

7.3.5(a) Explain the different methods used to assess fire origin and cause. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 180-189; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1174-1190)

Signed_____ **Date:** _____/_____/_____

7.3.5(b) Describe the different types of evidence and means to protect it. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 191-195; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1183)

Signed_____ **Date:** _____/_____/_____

7.3.5(c) Describe the Firefighter II's role and relationship between criminal investigators and insurance investigators. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 177-180; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1184-1186)

Signed_____ **Date:** _____/_____/_____

7.3.5(d) Describe the effects and problems associated with removing property or evidence from a fire scene. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 194-195 *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1184-1186)

Signed_____ **Date:** _____/_____/_____

7.4 Rescue Operations

7.4.1 Extricate an entrapped victim of a motor vehicle accident.

7.4.1(a) Explain the fire department's role at technical rescue incidents. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 84-86; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1149-1152)

Signed_____ **Date:** _____/_____/_____

7.4.1(b) Describe the strengths and weaknesses found in autobody construction. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 106-111, 123-127; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1097-1100, 1116-1135)

Signed_____ **Date:** _____/_____/_____

7.4.1(c) Describe the dangers associated with vehicle components and systems. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 112-123; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1096-1102)

Signed_____ **Date:** _____/_____/_____

7.4.1(d) Describe the uses and limitations of hand and power extrication equipment. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 97-107, 119-127, 131-141; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1103-1108, 1116-1135)

Signed_____ **Date:** _____/_____/_____

7.4.1(e) Explain the safety procedures associated with using various types of extrication equipment. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 97-107, 119-127, 131-141; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1103-1108, 1116-1135)

Signed_____ **Date:** _____/_____/_____

7.4.2 Assist resuce operation teams

7.4.2(a) Describe the firefighter's role at a technical rescue operation. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 84-86; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1149-1152)

Signed_____ **Date:** _____/_____/_____

7.4.2(b) Describe the types of technical rescue operations and hazards associated with each. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 86-96; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1153-1163)

Signed_____ **Date:** _____/_____/_____

7.5 Fire and Life Safety Initiatives, Preparedness, and Maintenance

7.5.1(a) Perform a fire safety survey in an occupied structure. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 219-228, 266-267; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1054, 1066-1074)

Requirement:

- ❑ Candidate will complete a Residential Fire Safety Survey for their FSO and attach a completed copy to the back of this Certification Documentation Booklet. Local forms must meet or exceed the conent of the FSTS form. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 219-228, 266-267; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1054, 1066-1074)

OR

- ❑ Candidate will complete the attached FSTS Residential Fire Safety Survey 7.5.1.A. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 219-228, 266-267; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1054, 1066-1074)

Signed_____ **Date:** _____/_____/_____

7.5.1(b) List the common causes of residential fires and their prevention. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 221-228; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1066-1074)

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Signed_____ **Date:** _____/_____/_____

7.5.1(c) Describe the importance of a fire and life safety survey and public education programs to fire department public relations and the community. (*Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 219-228; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1054-1074)

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Signed_____ **Date: _____/_____/_____**

7.5.1(d) Describe the referral procedures for addressing customer needs identified during a life safety survey within your FSO. (*Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 221-228; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1066-1074)

Signed_____ **Date: _____/_____/_____**

7.5.2 Present fire safety information to station visitors or small groups.
Candidate has presented fire safety information to station visitors or small groups according to the policy and procedures of their FSO.(*Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 228-239, 269; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1064-1066; Firefighter II Local Testing Guide 02)

Signed_____ **Date: _____/_____/_____**

7.5.3 Prepare Pre-incident survey

7.5.3(a) Plan, conduct, and prepare a pre-incident survey that includes occupancy information, items of concern, and accurate diagrams. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 239-263, 270; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1054, 1075-1088)

Requirement:

- ❑ Candidate completed a Pre-Incident Survey for their FSO and attach a completed copy to the back of this Certification Documentation Booklet and answer the questions in 7.5.3A3. Local forms must meet or exceed the content of the FSTS form.

OR

- ❑ Candidate completed the attached FSTS Pre-Incident Survey for their FSO using the attached FSTS Pre-Incident Survey in 7.5.3A1, complete the site diagram in 7.5.3A2, and answer the questions in 7.5.3A3.

Signed_____ **Date:** _____/_____/_____

7.5.3(b) Explain the importance of providing accurate pre-incident survey diagrams. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 239-242, 270; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 1075-1088)

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Signed_____ **Date:** _____/_____/_____

7.5.4 Maintaining power plants, power tools, and lighting equipment.

Candidate has maintained power plants, tools and lighting equipment according to manufacturer's instructions and local policies and procedures. (Resource: Your FSO Leadership, *Essentials of Fire Fighting, Firefighter 2,* 8th Edl, pp 203-206, 210-213; *Fundamantals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 262-264; Firefighter II Local Testing Guide 03)

Signed_____ **Date:** _____/_____/_____

7.5.5 Fire Hose Service Testing

7.5.5(a) Perform an annual service test on fire hose. (Resource: Your FSO Leadership; *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 206-208, 214-215; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., pp 419-422, 955; Firefighter II Local Testing Guide 04)

Requirement:

- ❑ Candidate completed annual service testing on a section of fire hose for their FSO. Attach a copy of the hose testing documentation to the back of this Certification Documentation booklet. Local forms must meet or exceed the content of the FSTS form.

OR

- ❑ Candidate completed annual service testing on a section of fire hose for their FSO. Fill out the attached FSTS Hose Testing Card in 7.5.5A1 for the section of hose tested.

Signed_____ **Date:** _____/_____/_____

7.5.5(b) Describe damage and failure indicators that require a section of hose to be removed from service. (Resource: *Essentials of Fire Fighting, Firefighter 2*, 8th Ed., pp 208; *Fundamentals of Firefighter Skills and Hazardous Materials Response*, 5th Ed., p 422)

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Signed_____ **Date:** _____/_____/_____

APPENDIX

7.2.1A1 Complete a basic incident report

Scenario:
On Wednesday, May 15, 2025, “B” shift of the Montana Fire Department was dispatched by 911 to a three-alarm, three-story, single-family residential fire. The residence was located at 603 Southwest Avenue, Bull Crest, Montana 59102. The call was dispatched at 1110. Engine 1, Engine 2, Battalion 1, and Ladder 3 called enroute at 1113 and arrived at 1115 with 13 firefighters and one incident commander. Mutual aid was received and included one Engine, two Water Tenders (3,500 gal) and eight firefighters. Engine 1’s crew made entry through the Charlie-side basement sliding door with an 1.75” attack line. Engine 2 remained on-deck, while Ladder 3 set up for ventilation. Water supply was established to Engine 1 via reverse-lay to a hydrant. Fire control was achieved using handlines at 1125. There were no exposures.
The structure was three-story, 40’x60’ of modern, platform construction with a walk-out basement. There was no sprinkler equipment. Detector performance was unknown. Origin and cause were determined in the basement laundry room at a short-circuited/ground fault electrical outlet that ignited clothing items. It was not determined if there was any equipment involved in the ignition and the form of heat of ignition was also undetermined.
Flame damage was confined to the room of origin. Smoke damage extended from the room of origin down the adjoining hallway. The estimated dollar loss was reported at one hundred thousand dollars. No mobile property was involved.
Mr. Dale Schaffer owns the home but lives at 6616 43rd St. SW, Great Falls, MT 59404. The house was occupied by Joe Green and his family. Mr. Green may be reached at 406-538-1005.
This was incident number 25-2313 with an FDID number of 59206.
The fire department was back in service at 1752.

7.2.1A2 Complete a basic incident report

Montana Fire Department Basic Incident Report

Incident Type	Type of Fire	District	Incident Location
☐ Fire	☐ Vehicle	☐ Montana	Street Address
☐ Medical	☐ Rubbish	☐ Silver Glen	City / State / Zip
☐ MVC	☐ Structure	☐ Great Falls	Property Use
☐ Public Service	☐ Vegitation	☐ Echo Ridge	Other Directions
☐ Rescue	☐ Other	☐ Other	
☐ Standby			

Resources		Date	Incident #	Property Owner
☐ E-1	QTY	Response Times		Name
☐ E-2		Alarm Time		Street Address
☐ L-2		Enroute		City / State / Zip
☐ T-1		On Scene		Phone Number
☐ BAT 1		Controlled		Insurance Company / Policy Number
☐ BAT 2		Cleared Scene		
☐ WT-2		Back in Station		
☐ POV				

Narrative

Mutual Aid	Fire Protection	Dollar Loss	Sector Channel Officer
☐ Given	☐ Smoke Alarm	☐ None	
☐ Received	☐ CO Detector	Property	
☐ Med	☐ Fire Sprinklers		
☐ Silver Glen	☐ Alarm System	Contents	
☐ Great Falls	☐ Operational		
☐ Echo Ridge	☐ Other	Pre-Incident Value	
☐ MHP	☐ Other		
☐ SO	**Fire Control**	**Hazardous Material Release**	
☐ PD	☐ Point of Origin	☐ None	
☐ Other	☐ Room of Origin	☐ Non-Reportable Quantity	
☐	☐ Structure	☐ Reportable Quantity	

Officer In Charge ☐ Incident Commander	Report Scribe
Name	Name
Rank	Rank
Phone Number	Phone Number
Date	Date

7.5.1A1 FSTS Fire Safety Survey

FSTS RESIDENTIAL FIRE SAFETY SURVEY

Basement	1st Floor	2nd Floor	Attic	Garage	Outside		
						1	Home has smoke alarms
						2	Smoke alarms are in working order
						3	Family has and practices an exit plan
						4	Emergency numbers with address posted by phone
						5	House numbers are easily visible from streat
						6	Exits are unobstructed
						7	Adequate fire department access
						8	Combustibles clear of exterior of residence
						9	Outside garbage containers clear of residence
						10	Extension cords are used only as a temporary measure
						11	Appliance cords are in good condition
						12	There are no overloaded outlets
						13	Windows can be easily opened
						14	Combustible trash is properly disposed of
						15	Household chemicals are inaccessible to children
						16	Matches are kept in secure area, out of reach of children
						17	Large ashtrays are in every room (smokers only)
						18	Candles clear of combustibles. Never left burning.
						19	Combustibles are clear of appliances (furnace/water heater) &utility areas
						20	Furnace filters are clean and in good shape
						21	Furnace serviced as recommended by manufacturer
						22	Electrical panels clear of combustibles
						23	Appliances are properly grounded
						24	Clothes dryer lint collect is clean
						24	Appropriate extinguisher available
						26	Basement door is kept closed
						27	Combustibles are clear of cooking areas
						28	Small appliances are unplugged when not in use
						29	Kitchen hood vent is clean and maintained
						30	Fireplace has proper screen and hearth
						31	Ashes disposed of properly
						32	Chimney has been cleand (if using solid fuels)
						33	CO Detector present and operable
						34	Visible wiring is in good condition
						35	Heating vents are properly maintained
						36	There is a solid core door between garage and residence and no penetrations in the wall separating the garage
						37	Gasoline powered equipment stored otuside the residence
						38	Flammable liquids properly stored outside the residence
						39	Propane properly stored outside residence

Address of Property Inspected_____

Date Inspected:_____ Signature of Inspector:_____

Person to whom inspector(s) talked to:_____

7.5.3.A1 Pre-incident Survey

FSTS PREINCIDENT SURVEY

OCCUPANT INFORMATION							
Building Name:					Phone:		
Address:			City:		State:	ZIP:	
Point of Contact (1):					Phone:		
Point of Contact (2):					Phone:		
Occupancy (Business Hours)	#	Occupancy (Night)	#	Handicapped Occupants: YES/NO			
Max Occupancy Load#	#						
NOTES:							

STRUCTURE INFORMATION			
Construction Type:		Roof Construction Type:	
Floor Construction Type:		Basement Construction Type:	
Building Age:		Number of Stories:	Height of Each Story:

UTILITIES				
Gas:	YES/NO	Type:	Gas Shut Off Location:	
Electric:		Phase:	Panel Location:	
Photovoltaic System:		YES /NO	Location:	
Alarm Panel Location:				
NOTES:				

ACCESS INFORMATION	
Main Access:	Roof Access:
Basement Access:	Interior Stairs:
Special Areas:	Apparatus Access Obstacles:
NOTES:	

EXPOSURES								
North:	ft.	East:	ft.	South:	ft.	West:	ft.	
Type:		Type:		Type:		Type:		
NOTES:								

WATER SUPPLY		
FDC: YES/NO	Location:	
Hydrant Location (1):		GPM:
Hydrant Location (2):		GPM:
Static Water Source Location:		
NOTES:		

SITE PLAN

FLOOR PLAN

GUIDE FOR CREATING PRE-INCIDENT PLANNING MAPS

1. Sketch each floor
2. Show Roof access and venting devices
3. Show approaches to facility
4. Indicate the size of buildings (length and width)
5. Show location of attic access
6. Show roof access ladders
7. Show location of electrical shutoffs
8. Show location of gas/LPG shutoffs
9. Show direction of North by an arrow or compass rose
10. Show specific types of doors (differentiate between fire doors and standard doors)
11. Show fences and gates
12. Show partitions
13. Show room numbers if marked or indicate room usage
14. Show location of stairs and stairwells
15. Show location of elevators
16. Show location of firewalls and fire doors
17. Show fire or smoke partitions
18. Show locations of fire hydrants and other water sources
19. Show location of fire alarm control panels
20. Show location of fire extinguishers
21. Show location of sprinkler risers
22. If building is not sprinklered, indicate on the map
23. Show location of standpipes, hose cabinets, and outlets
24. Show location of installed fire pumps
25. Indicate the location of hazards in the building (explosives, radiation, flammable liquids, etc.)
26. Indicate location of SDSs/MSDSs

7.5.3A3 Pre-Incident Survey

Building Construction and Fire Behavior Predictions:

What is the fire building construction type (classification)?

_____

_____

Where does the fire appear to be located?

_____

_____

What is the occupancy?

_____

_____

Was the structure constructed for the current occupancy?

_____

_____

Does there appear to be any significant construction deficiencies?

_____

_____

What factors of this building could be considered strengths?

_____

_____

What factors of this building could be considered concerns?

_____

_____

What avenues of fire, smoke or heat travel would you expect?

_____

_____

Are there any special safety concerns you would have for your firefighters?

_____

_____

What is the fire flow requirement for:

100% _____ 75% _____

50% _____ 25% _____

7.5.5 A1 Complete annual service testing on fire hose.

Size	Identification No. of Length	**FIRE DEPARTMENT HOSE RECORD**						
Kind	Brand				Date of Purchase			
Manufacturer								
Date In Service	Company/ Station No.	Length Tested			Out of Service		Couplings	Remarks
		Date	Pressure	Pass/Fail	Date	Reason		

PROCTOR'S AFFIDAVIT

Note: This form may be duplicated so each proctor has one on 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 vertify 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 II

Name of Candidate *(last name first)*_____

This page provides documentation for completion of the tactics required for Fire Fighter II certification.

Each task must be signed off by an FSTS representative. Other signatures will not be accepted.

This booklet must be present on the day of the test. Evaluators must sign prior to leaving the test site.

Low Angle Rescue, Crew Leader (CL)
Evaluator_____ **Date**_____

Low Angle Rescue, Driver Operator (DO)
Evaluator_____ **Date**_____

Low Angle Rescue, Tool Firefighter (TFF)
Evaluator_____ **Date**_____

Passenger Vehicle Extrication, Tool Firefighter (TFF)
Evaluator_____ **Date**_____

Passenger Vehicle Extrication, Driver/Operator (DO)
Evaluator_____ **Date**_____

Ignitable Liquid Fire, Tool Firefighter (TFF)
Evaluator_____ **Date**_____

Ignitable Liquid Fire, Nozzle Firefighter (NFF)
Evaluator_____ **Date**_____

Gas Cylinder Fire, Tool Firefighter (TFF)
Evaluator_____ **Date**_____

Gas Cylinder Fire, Nozzle Firefighter (NFF)
Evaluator_____ **Date**_____

Exterior/Interior Fire Attack, Crew Leader (CL)
Evaluator_____ **Date**_____