

Utah Fire Service Certification System

WILDLAND FIREFIGHTER I & II



CERTIFICATION STANDARD

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The Certification Council would like to recognize and extend a voice of appreciation to the following fire service professionals for their work on this Wildland Firefighter I and II certification standard. These individuals devoted many hours to reviewing the National Fire Protection Association (NFPA) 1140 standard, certification test banks, and curriculum textbooks to develop the wording for the skills for each discipline within this standard.

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INTRODUCTION

The Utah Fire and Rescue Academy (UFRA) has evolved into a dynamic organization that provides fire and emergency service–related training, professional accredited certification, and resource assistance. The Utah Fire Service Certification System (UFSCS) has been administered by UFRA since the system’s inception in the early 1980s. The governing body for the firefighter certification system in the state of Utah is the Utah Fire Service Certification Council (UFSCC). The members of the council represent various areas of the state as well as a variety of department types.

The entire system is based on international professional job performance standards from NFPA and NWCG. Fire service training must be utilized to its maximum potential. Any overlap, fragmentation, and lack of basic structure must be eliminated. Standardization is the natural complement and necessity. Through these national standards and certification, firefighters and fire departments have a tool to measure specific levels of skills, abilities, and knowledge. Testing takes place all over the state of Utah and is usually scheduled by fire department training officers for members of one or more local agencies to test at their own facilities using their own equipment.

The Utah Fire Service Certification System creates uniformity through certification. Certification allows a fire service professional to be a part of the National Registry (Pro Board and IFSAC), which verifies that a person has been trained at a national standard. Firefighters, hazardous materials responders, and rescue personnel can earn various certifications. Volunteer, part-time, and career firefighters must all meet the same standard to certify. Most fire departments in Utah have certified personnel even though there is no law requiring it.

“Certification from an accredited entity is a statement of success, an indisputable mark of performance belonging to individual fire service professionals. Each successful candidate for certification from an accredited entity knows that he or she has been measured against peers and meets rigorous national standards. Certification affords the individual a uniformity and portability of qualifications. In addition, the creditability of an organization is enhanced by having members certified to national consensus standards.”

—theproboard.org

IFSAC “provides accreditation to entities that certify the competency of and issue certificates to individuals who pass examinations based on National Fire Protection Association (NFPA) fire service professional qualifications and other standards approved by the Assembly.”

—ifsac.org

The following certification requirements are based on the objectives listed in Chapter 4, “Wildland Firefighter I,” and Chapter 5, “Wildland Firefighter II,” in NFPA 1140, *Standard for Wildland Fire Protection* (National Fire Protection Association, 2022), as verified and adopted by the Utah Fire Service Certification Council (UFSCC).

WILDLAND
FIREFIGHTER I
CERTIFICATION
STANDARD

WILDLAND FIREFIGHTER I CERTIFICATION REQUIREMENTS

Entrance Requirements

In order to certify within the Utah Wildland Firefighter I program, candidates must fulfill the following requirements:

1. Complete entrance requirements.
2. Set up and maintain department records.
3. Train on the required written and practical objectives.
4. Pass a department in-house practical skills examination.
5. Meet any other training requirements/prerequisites as defined by the Certification Council.
6. Pass both written and practical skills examinations administered by the Certification Council.
7. Request Wildland Firefighter I certification.
8. Request Wildland Firefighter I recertification at the end of each 3-year certification period.

Physical Fitness Requirements

The UFSCC acknowledges the importance of and need for physical fitness requirements as listed in the NFPA 1140, *Standard for Wildland Firefighting Personnel Professional Qualifications* (2022). Many agencies and departments have existing policies, regulations, etc. already in place regarding these requirements. The handling of physical fitness requirements is a **LOCAL MATTER**, outside the authority and jurisdiction of the UFSCC. The council will not check, test, evaluate, or determine how individual agencies meet these requirements. Some departments have found it necessary to waive any type of physical fitness requirements due to their own special needs. As a local decision, this is permitted. However, due to the amount of physical, mental, and emotional stress inherent in this profession, **the Utah Fire Service Certification Council strongly recommends careful evaluation before altering or doing away with any existing physical fitness requirements.**

Entrance requirements (including those listed in Chapter 1 of NFPA 1140 [2022]):

1. Meet the minimum educational requirements established by the authority having jurisdiction.
2. Utah Fire Service Certification Council Policy 11.3 requires that a candidate must be at least 18 years of age to test and be certified.
3. Meet the medical requirements of NFPA 1582, *Standard on Comprehensive Occupational Medical Program for Fire Departments* (2022), as determined by the medical authority of the AHJ.
4. Physical fitness requirements for entry-level personnel should be developed and validated by the authority having jurisdiction. Physical fitness requirements should be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

Department Training Officers

For a department to enroll in the certification process, it is necessary for the department to assign training officers. Departments who **do not** have certified personnel to act as training officers for certification training should contact the Utah Fire & Rescue Academy at (801) 863-7709 for assistance in setting up and monitoring certification training.

Department training instructors shall be certified at the level they are teaching. In addition, the Certification Council strongly recommends that training officers and instructors be state certified at the Instructor I level.

Department training officers or instructors will be responsible for certification training. Their primary responsibility will be to teach, evaluate, and in-house test department personnel on the skill and evolution requirements for each level of certification training.

The final entrance requirement is to complete the **Intent to Participate** form provided in Appendix C and return it to the Certification Council. Remember, participation in the certification process is **VOLUNTARY**. Once you have enrolled, you can withdraw if desired.

If a department is already participating in the Utah Fire Service Certification System, it will not be necessary to file another Intent to Participate form.

WILDLAND FIREFIGHTER I DEPARTMENT TRAINING

The position of a Wildland Firefighter I is one that requires a high level of skill and knowledge. The training that is given to and received by wildland firefighter candidates should be of the highest quality and degree. All training received must meet the requirements of NFPA 1140 (2022), including the sections regarding technical specialty areas in Chapter 17, and the skills as approved by the UFSCC contained within this Utah standard. All training received must be documented and recorded on a training record. All testing for Wildland Firefighter I will be conducted following the Policies and Procedures of the UFSCC.

Training for Wildland Firefighter I can be obtained by completing one of the following training courses or requirements. Candidates must complete one of the following methods to become eligible for the state certification examination.

1. Wildland Firefighter I certification (S-130/S-190, I-100, L-180, I-700) sponsored by the Utah Fire & Rescue Academy. Training may be requested by calling the Training Division of the Utah Fire & Rescue Academy at 801-863-7709.
2. ESWF 1400 is a Wildland Firefighting Fundamentals course taught by Utah Valley University/Utah Fire & Rescue Academy.
3. Department-Based Training. Departments may provide their own Wildland Firefighter I course, which must meet the requirements as outlined in NFPA 1140 Chapter 4 (2022) and the current NWCG Field Managers Course Guide (PMS-901-1) course content requirements. The skills in this standard must be completed by each candidate and a completed training record must exist for each candidate. Testing will be conducted at the conclusion of the course upon request from the department training officer or administrator.

To prepare candidates to successfully pass the state certification examination, the course material should be based on the publications listed on the next page.

Written Objectives

Written objectives for Wildland Firefighter I are covered in the following texts:

- NFPA 1140 (2022)
- NWCG, *Incident Response Pocket Guide* (IRPG), (2022)
- NWCG S-190, *Introduction to Wildland Fire Behavior, Instructor Guide* (2021)
- NWCG, *Glossary of Wildland Fire*, PMS 205, <https://www.nwcg.gov/glossary/a-z>.
- NWCG S-130, *Firefighter Training* (2021), <https://www.nwcg.gov/publications/training-courses/s-130>
- NWCG S-190, *Introduction to Wildland Fire Behavior* (2020), <https://www.nwcg.gov/publications/training-courses/s-190>
- This Utah Fire Service Certification Council standard

Skill Objectives

Each candidate must be trained and evaluated in the performance of all skills as found in this certification standard. Each of the skill objectives shall be completed swiftly, safely, and with competence as defined below:

- **Swiftly.** Each skill objective must be completed within the allotted time.
- **Safely.** Each skill objective must be completed safely. Conduct that could injure an individual or damage equipment is unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **With Competence.** Each skill objective must be performed in accordance with this Utah standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the UFSCC skill objectives.

Department Training Records

Each candidate shall have a current, accurate, and complete training record on file with the department which indicates that they have been trained on all skill objectives. **The training record must be completed in its entirety to test.** Training records may be completed on a computer or by hand. Departments may set up their own training records, use the one provided in this standard, or use the fillable training record found on UFRA's website. If a department chooses to set up their own training record, it must meet the following requirements:

1. Indicate the certification level and its corresponding NFPA standard number and edition.
2. Include a signature line for the candidate, which attests that all skills have been trained on and a complete in-house comprehensive exam was administered and passed.
3. Include a signature line for the chief/training officer, which attests that the candidate has been trained on all skills and a complete in-house comprehensive exam was administered and passed.
4. Include a line to record the date the training record was completed.
5. List all the skills from this Utah certification standard for this level. Include columns indicating the training dates, training instructors, the date of exams, exam instructors, and whether the candidate passed each exam (see the training record examples in this standard).

Department In-House Skills Examination

At the completion of the department skills training, the department is required to hold an in-house skills examination for the level being trained. This is a comprehensive in-house skills test conducted by the department training officers. This test is to ensure that skill mastery has been maintained from the beginning to the end of the training process, and to prepare candidates for the state examination. Training officers may utilize other personnel to assist in administering the exam; however, they must be certified at the level they are in-house testing.

Proctor instructions for the examination are in Appendix B in this standard. In-house testers shall follow the proctor instruction sheet to ensure uniformity and fairness during the exam. It is recommended that candidates be given two attempts at any skill. **If they fail on the second try, then they have failed the examination and are required to go through additional training by the department trainer.** No training, teaching, or coaching is allowed during the test. After the in-house-examination, using the test to teach and train is recommended.

If skill weaknesses are evident, the department should conduct additional training and hold a new department in-house skills examination to ensure their personnel have fully mastered all required skills. Only those candidates who successfully pass the department's skills test will be allowed to participate in the Certification Council's skills spot check examination. Department training records must show that all candidates have successfully passed the in-house examination.

WILDLAND FIREFIGHTER I CERTIFICATION EXAMINATIONS

After completion of the training process, the chief/administrator can request testing for the candidate. Using the Examination Request form in Appendix C, the chief/administrator may request a written examination or a skills spot check examination. The candidate will then have three attempts to pass the written examination and three attempts to pass the skills spot check examination. A separate application must be sent to the Certification Office for each attempt. Request forms must reach the Certification Office no later than 30 days prior to the examination date. The entire examination process must be completed within one year of the first written exam date.

Written Examinations

The written examination is a randomly generated **50-question** test covering the written objectives of the Wildland Firefighter I standard. A minimum score of 70% is required to pass the certification exam. Firefighters failing the first attempt of the written exam will be permitted to retest no sooner than **30 days** from the date of the last exam. Three attempts are allowed to pass the exam. If candidate fail the written examination three times, they have failed the certification process and must wait **one year** from the date of the last failed exam before reentering testing. Exam pass/fail results are forwarded to the chief within 30 days following the receipt of the completed exam. Candidates are permitted to use the IRPG as a reference during the state exam.

SAMPLE WRITTEN EXAMINATION QUESTIONS:

The transfer of heat by the movement of air or liquid would be considered:

- a. Conduction
- b. Convection**
- c. Radiation
- d. Direct-flame contact

Which of the following generally makes the fire behavior most extreme?

- a. **Wind**
- b. Fuels
- c. Steep topography
- d. Low fuel moisture

Skills Spot Check Examinations

This is a two-step examination. The first step is a department records check and the second is the skills spot check examination. A Certification tester appointed by the Utah Fire Service Certification Council conducts the examination.

Training records are checked. If records are inadequate, corrective action must be taken before proceeding to the next step. The records must meet minimum requirements and are checked for the following:

1. Each candidate has been trained in each skill for the level being evaluated.
2. A department training officer has signed off each skill.
3. Each candidate has passed a department in-house skills examination.

The skills spot check examination is graded on a 100% pass/fail basis. The test is graded in the following three areas:

- **Swiftly.** Each skill objective must be completed within the allotted time.
- **Safely.** Each skill objective must be completed safely. Conduct that could injure an individual or damage equipment is unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **With Competence.** Each skill objective must be performed in accordance with this Utah standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the UFSCC skill objectives.

Candidates are spot checked on three skills. No prior notification of the skills being tested will be given. Candidates are given two attempts, if necessary, to perform each skill. If they fail on the second try, then they have failed the examination. Applicants must wait **30 days** before the third and final attempt. Candidates taking third attempts will test on the skill they failed plus ONE additional skill from the section of the standard they failed in the previous two attempts. **No training, teaching, or coaching is allowed during this state test.**

Candidates who have failed the third attempt of the written examination or the skills examination have failed the certification process and must wait **one year** from the date of the failed third attempt to reenter state testing. The candidate will begin testing with a new **first attempt** of the written examination, following a request for examination. If a candidate wishes to enter a new course, the candidate may petition the Certification Office to reenter the certification examination process no sooner than 120 days after their **third attempt** failure. In the petition, candidates must explain the reason(s) behind their request to reenter the process.

WILDLAND FIREFIGHTER I CERTIFICATION

When all requirements for certification have been met, applicants are eligible to be certified. The chief/administrator may apply to the Utah Fire Service Certification Council for certification for those candidates who have successfully completed the certification training/testing process. Requests for state certification must be submitted to the Certification Office using the Certification/Recertification Request form provided in Appendix C. The names are then checked against the official state records to ensure that each individual listed has met all requirements and prerequisites.

Recertification

The Wildland Firefighter I certification level is valid for a three-year period. Each certified firefighter may renew certification by having the chief/administrator of the participating agency submit a Certification/ Recertification Request (provided in Appendix C).

Each certified firefighter shall participate in at least 36 hours of structured class and skill training per year. A total of 108 hours of training is required during the previous certification period.

For more information on Utah firefighter certification, contact the:

Utah Fire Service Certification Council
Utah Fire & Rescue Academy
3131 Mike Jense Parkway
Provo, UT 84601
(801) 863-7709

WILDLAND FIREFIGHTER I CERTIFICATION CHECKLIST

ENTRANCE REQUIREMENTS

- ☐ Each candidate has met the requirements listed in NFPA 1140 (2022), Chapter 1.
- ☐ The department has filed an Intent to Participate form with the UFSCC.

DEPARTMENT TRAINING RECORDS

- ☐ Each candidate has a training record on file with the department that shows:
 1. A learning experience in each skill objective
 2. Dates of training
 3. Initials of instructors
- ☐ Completed copies of **NWCG/FEMA certificates** S-130, S-190, I-100, L-180, and I-700 (as outlined in PMS 901-1) must be shown to the tester prior to testing.
- ☐ Each candidate has trained on the Wildland Firefighter I written objectives.

DEPARTMENT IN-HOUSE SKILLS EXAMINATION

- ☐ Each candidate has successfully completed an in-house skills examination.
- ☐ Exam results are documented in department training records.

CERTIFICATION EXAMINATIONS

- ☐ Each candidate has passed the UFSCC written examination.
- ☐ Each candidate has passed the UFSCC skills spot check examination administered by an approved Certification tester.

WILDLAND FIREFIGHTER I CERTIFICATION

- ☐ The chief/administrator has requested certification for candidates using the Certification/Recertification Request form.

WILDLAND FIREFIGHTER I SKILL OBJECTIVES

GENERAL

1. Demonstrate the proper use of a portable radio by transmitting and receiving information.

REFERENCE: NFPA 1140 (2022), 4.2.1, 4.2.2;
S-130 (2021), Unit 15, Slides 5, 6

CONDITION: Given a two-way portable or mobile radio

COMPETENCE:

- Check antenna (if portable).
- Turn on radio.
- Adjust squelch (if applicable).
- Adjust volume.
- Select designated channel.
- Place microphone 2–4 inches from mouth.
- Key microphone. Speak distinctly and concisely using proper procedure and clear text.
- Release microphone key.

TIME: 2 minutes

2. Demonstrate the care, inspection, and maintenance of protective clothing.

REFERENCE: NFPA 1140 (2022), 4.2.1, 4.4.2;
S-130 (2021), Unit 3

CONDITION: Given a helmet (with eye protection), pants and a shirt (or coveralls), boots, and gloves

COMPETENCE:

- Inspect all protective clothing for damage.
- Remove clothing from service, if needed.
- Describe proper (manufacturer-recommended) cleaning methods.
- Demonstrate where to find manufacturer recommendations for care instructions.

TIME: 2 minutes

3. Demonstrate the proper wearing of personal protective equipment.

REFERENCE: NFPA 1140 (2022), 4.2.1, 4.2.2, 4.4.2;
S-130 (2021), Unit 3

CONDITION: Given proper personal protective equipment, don equipment.
***Prior to demonstrating this skill, candidates should be wearing appropriate, approved PPE, pants and shirt (or coveralls), and proper footwear.**

COMPETENCE:

- Don helmet with chin strap, eye protection, and hearing protection.
- Don gloves.
- Don equipment belt with fire shelter and canteen attached.
- Don shroud, if available.

TIME: 2 minutes

4. Demonstrate action to be taken during and after an air retardant drop.

REFERENCE: NFPA 1140 (2022), 4.2.1, 4.2.2, 4.6.3;
S-130 (2021), Unit 7, "Suppression," Slide 37, p. 39;
IRPG (2022), pp. 73–76

CONDITION: Given a scenario, personal protective equipment, and hand tools

COMPETENCE:

- Verify that escape from drop zone is not possible.
- Get clear of dead snags, tops, and limbs.
- Lie facedown with head toward oncoming aircraft, hard hat on, and feet squared.
- Secure eye protection and chin strap.
- Hold hand tool away from body.
- Describe three post-drop safety concerns.

TIME: 2 minutes

5. Demonstrate the proper deployment of a fire shelter.

REFERENCE: NFPA 1140 (2022), 4.2.1, 4.2.2, 4.4.4, 4.6.3;
S-130 (2021), Unit 16, "Fire Shelter";
IRPG (2022), p. 30

CONDITION: Wearing PPE, including gloves and a helmet, and given a scenario, practice deploying a fire shelter.

COMPETENCE: **The following criteria must be verbalized or done prior to deployment of shelter.**

- Remain calm.
- Verify that escape routes to safety zones are not possible.
- Pick large clearing.
- Find bare spot, avoiding heavy fuels and snags.
- If time permits, scrape away flammable litter or clear an area that is 4 feet by 8 feet (minimum), down to mineral soil.
- Position body so feet are toward oncoming flame front, trapping as much clean air as possible.
- Protect airways and lungs.
- Leave packs and hand tools well away from your fire shelter.
- Take canteen into shelter.
- Toss fuses and gasoline far from the deployment area.
- Stay in shelter until you notice temperatures have cooled significantly or a supervisor tells you it's safe to come out.

The following must be demonstrated as shelter is deployed.

- Properly wear full PPE.
- Shake out and open folds of shelter.
- Step into shelter holding bottom flaps down with feet and top flaps with gloved hands. (No body parts may be outside the shelter.)
- Fall to the ground facedown (forward), trapping as much clean air as possible.

TIME: 2 minutes to verbalize skill knowledge
25 seconds for actual shelter deployment (time begins after shelter is removed from hard case)

PREPAREDNESS

6. Demonstrate techniques for inspecting, maintaining, and sharpening hand tools.

REFERENCE:	NFPA 1140 (2022), 4.4.3; S-130 (2021), Unit 8, “Tools and Equipment”
CONDITION:	Given PPE, any wildland hand tool, and a file with a handle and a guard
COMPETENCE:	• Wear PPE properly. • Wear eye protection. • Wear gloves. • Describe at least three items to inspect to ensure that tools are in safe working condition. • Use file handle. • Use file guard. • Safely secure tools for sharpening. • Maintain clearance around the working area. • Use flat palm against the file.
TIME:	2 minutes

7. Demonstrate how to retrieve fire line hose using the following methods:

A. Single section drain and carry.

REFERENCE:	NFPA 1140 (2022), 4.6.4; S-130 (2021), Unit 10, p. 40
CONDITION:	Given PPE, length of 1” or 1½” hose (minimum of 50 ft.)
COMPETENCE:	• Pick up coupling, allowing water to drain. • Place hose loop over shoulder (coupling may be in front or back). • Layer hose on shoulder. • Ensure that hose is controlled and secured. • Identify and mark damaged hose, if found.
TIME:	2 minutes

B. Figure 8 technique.

REFERENCE:	NFPA 1140 (2022), 4.6.4; S-130 (2021), Unit 10, p. 40
CONDITION:	Given PPE, length of 1" or 1½" wildland hose
COMPETENCE:	• Drain hose. • Protect hose threads. • Identify and mark damaged hose, if found.
TIME:	2 minutes

SUPPRESSION

8. Demonstrate the proper procedures for carrying hand tools and passing crew members while working on a fire line.

REFERENCE: NFPA 1140 (2022), 4.6.4;
S-130 (2021), Unit 8

CONDITION: Given PPE and hand tools.

COMPETENCE:

- Wear PPE properly.
- Maintain proper spacing (10-foot minimum).
- Carry tool on the downhill side.
- Keep cutting edge of tool away from body.
- Signal crew member prior to passing.
- Wait to be given right of way.

TIME: 2 minutes

9. Demonstrate the proper procedures for passing cutting tools.

REFERENCE: NFPA 1140 (2022), 4.6.4;
S-130 (2021), Unit 8

CONDITION: Given a scenario, PPE, and hand tools

COMPETENCE:

- Wear PPE properly.
- Grasp a tool by its head and neck.
- Extend the tool to another firefighter, handle first.
- Acknowledged receipt of tool before releasing grasp.

TIME: 1 minute

10. Demonstrate the proper use of a fire swatter.

REFERENCE: NFPA 1140 (2022), 4.6.4;
S-130 (2021), Unit 8

CONDITION: Given a scenario, PPE, and a fire swatter

COMPETENCE:

- Wear PPE properly.
- Firm grip.
- Keep feet apart in a solid stance.
- Lightly pat or drag a tool along the fire edge.
- Maintain constant movement to prevent burning.

TIME: 2 minutes

11. Demonstrate the proper procedures for assembly, use, and maintenance of a backpack pump.

REFERENCE: NFPA 1140 (2022), 4.6.4, 4.6.7;
S-130 (2021), Unit 10, pp. 4–8

CONDITION: Given a disassembled backpack pump and a water source

COMPETENCE:

- Assemble a backpack pump properly.
- Fill it with clean or strained water.
- Maintain proper footing and stance.
- Maintain proper body position when carrying and lifting.
- Demonstrate cleaning quick connect, if dirty.
- Use both straight and spray streams.
- Demonstrate clearing a clogged nozzle.

TIME: 5 minutes

12. Simulate the proper igniting, use, and extinguishment of a fuse.

REFERENCE: NFPA 1140 (2022), 4.6.5;
S-130 (2021), Unit 11, pp. 15–19

CONDITION: Given a scenario, PPE, a fuse, and a cleared area.

COMPETENCE:

- Pull sleeves down, gloves on and eye protection in place
- Remove fuse's cap.
- Expose striker compound and scratch tip.
- Place striker compound on scratch tip.
- Turn face away from fuse.
- Simulate lighting fuse by sharply scratching the scratch tip across the striker compound, away from the body.
- Protect from splattering slag.
- Apply flame to (simulated) fuel.
- Extinguish fuse by striking sharply on ground or by placing lit end in mineral soil.

TIME: 2 minutes

13. Demonstrate the proper procedures for assembling a drip torch.

A. Assemble drip torch.

REFERENCE: NFPA 1140 (2022), 4.6.5;
S-130 (2021), Unit 11

CONDITION: Given PPE, a drip torch in proper working condition, a cleared area, and rags

COMPETENCE:

- Wear proper protective clothing.
- Unscrew lock ring.
- Unscrew and secure fuel discharge/flow plug.
- Remove spout and inspect gasket, fuel, and wick.
- Set spout with wick in correct position and secure lock ring.
- Open air vent.
- Wipe off spilled fuel.

TIME: 3 minutes

B. Simulate the proper procedures for mixing fuel and fill a drip torch.

REFERENCE: NFPA 1140 (2022), 4.6.5;
S-130 (2021), Unit 11

CONDITION: Given PPE, a drip torch in proper working order, proper fuels, storage containers, a cleared area, and rags

COMPETENCE:

- Wear proper protective clothing.
- Explain mixing fuel (3 diesel:1 gasoline ratio and/or 4:1, with AHJ approval).
- Describe safe location to refill.
- Leave space for expansion of fuel.
- Wipe off spilled fuel (minimum 1" from top).

TIME: 2 minutes

C. Simulate the proper procedures for lighting, using, and extinguishing a drip torch.

REFERENCE: NFPA 1140 (2022), 4.6.5;
S-130 (2021), Unit 11

CONDITION: Given a scenario, PPE, and an assembled drip torch

COMPETENCE:

- Wear proper protective clothing.
- Simulate igniting the torch with an approved method (match, lighter, drip torch, ground fire).
- Safely carry drip torch to area of use.
- Simulate proper procedure to ignite vegetation.
- Simulate extinguishing wick.

TIME: 2 minutes

D. Simulate the proper procedures for storage of a drip torch after use.

REFERENCE: NFPA 1140 (2022), 4.6.5;
S-130 (2021), Unit 11

CONDITION: Given PPE, a drip torch in proper working condition, a cleared area, and rags

COMPETENCE:

- Wear proper protective clothing.
- Let wick cool before storage.
- Remove lock ring.
- Verify fuel level at no more than $\frac{3}{4}$ full, or the policy of the AHJ.
- Check all gaskets/O rings and replace if necessary.
- Reverse spout and put inside of tank.
- Replace lock ring securely.
- Replace discharge/flow plug.
- Close air vent.

TIME: 3 minutes

14. A. Demonstrate the proper use of tools and appliances during hose lay operations: simple/extended hose lay.

REFERENCE: NFPA 1140 (2022), 4.6.5, 4.6.6, 4.6.7;
S-130 (2021), Unit 10

CONDITION: Given a scenario to protect a structure, PPE, hose line, tools, appliances, one additional length of 1" or larger rolled hose, and pump operator

COMPETENCE:

- Demonstrate a simple hose lay.
- Extend charged hose lay by properly clamping, crimping, disconnecting, adding length of hose, and re-coupling hose.
- Signal for water.
- Set nozzle appropriate for the situation.
- Apply water properly.

TIME: 7 minutes

B. Demonstrate the proper use of tools, appliances, and fittings during hose lay operations: progressive hose lay.

REFERENCE: NFPA 1140 (2022), 4.6.6, 4.6.7;
S-130 (2021), Unit 10

CONDITION: Given PPE, appropriate fittings, two lengths of rolled 1½" hose, and a length of rolled 1" hose
*Objective: Have two working nozzles.

COMPETENCE:

- Set up a progressive hose lay.
- Use fittings, appliances, and hose as appropriate for scenario.
- Signal for water.
- Set nozzle appropriate for the situation.
- Apply water properly.

TIME: 10 minutes

15. Demonstrate the proper use of hand tools while building a fire control line.

REFERENCE: NFPA 1140 (2022), 4.6.4, 4.6.7;
S-130 (2021), Unit 9

CONDITION: Given a scenario, PPE, and wildland hand tools

COMPETENCE:

- Select the proper tool for assignment.
- Inspect the tool before use.
- Determine if the tool may be used safely.
- Construct a suppression line based on type of fuels and terrain.

TIME: 5 minutes

16. Demonstrate the proper building of a cup trench on a slope.

REFERENCE: NFPA 1140 (2022), 4.6.4;
S-130 (2021), Unit 9

CONDITION: Given a scenario, PPE, and wildland hand tools

COMPETENCE:

- Determine that safety considerations are met.
- Select appropriate tool.
- Build an adequate downhill berm.
- The cup trench should halt any rolling firebrand from the fire above.

TIME: 5 minutes

17. Demonstrate the proper building of a control line using the “bump up” or “one lick” technique.

REFERENCE: NFPA 1140 (2022), 4.6.4;
S-130 (2021), Unit 9

CONDITION: Given a scenario, PPE, and wildland hand tools

COMPETENCE:

- Demonstrate proper space when walking and working (10–15 feet apart).
- Select proper tools for given fuel types.
- Construct a line extending to mineral soil.
- Demonstrate proper intra-crew communications (bump, take more, take less, hazards).
- Demonstrate safe use of hand tools.

TIME: 3 minutes

18. Demonstrate a wet mop-up.

REFERENCE: NFPA 1140 (2022), 4.6.7;
S-130 (2021), Unit 12

CONDITION: Given a scenario, PPE, a water source, and wildland hand tools

COMPETENCE:

- Use proper PPE, including eye protection.
- Use senses to detect burning materials.
- Utilize hand tools for chopping, scraping, and separating burning materials.
- Use hand tools in conjunction with applying water with foam additive
- Apply water appropriately.
- Describe how to rearrange fuels that are adjacent to the control line to facilitate holding the fire.

TIME: 5 minutes

19. Demonstrate a dry mop-up.

REFERENCE: NFPA 1140 (2022), 4.6.7;
S-130 (2021), Unit 12

CONDITION: Given a scenario, PPE, a water source, and wildland hand tools

COMPETENCE:

- Wear proper PPE, including eye protection.
- Use senses to detect burning materials.
- Utilize hand tools for chopping, scraping, and separating burning materials.
- Mix burning materials with soil.
- Describe how to rearrange fuels that are adjacent to the control line to facilitate holding the fire.

TIME: 5 minutes

20. Demonstrate cold trailing a fire.

REFERENCE: NFPA 1140 (2022), 4.6.7;
S-130 (2021), Unit 12

CONDITION: Given a scenario, PPE, and proper wildland hand tools

COMPETENCE:

- Properly feel with the back of an ungloved hand to detect any heat.
- Identify, mop up, and extinguish all hot areas adjacent to fire perimeter.

TIME: 2 minutes

21. Demonstrate follow-up procedures for securing a control line.

REFERENCE: NFPA 1140 (2022), 4.6.8;
S-130 (2021), Unit 12

CONDITION: Given a scenario, PPE, and proper wildland hand tools

COMPETENCE:

- Identify areas of weakness in the control line (cup trenches, retardant line, unlined black edge, berms, etc.).
- Assess fire activity (smoldering, creeping, running, spotting, crowning).
- Confirm black edge is cold.
- Remove/rearrange any remaining fuel on the line.

TIME: 2 minutes

22. Assemble and prepare for a response.

REFERENCE: NFPA 1140 (2022), 4.6.2;
S-130 (2021), Unit 3, p. 10

CONDITION: Given an assembly location and an assignment

COMPETENCE:

- Ensure personal equipment is ready for assignment.
- Ensure personal equipment meets weight limitations.
- Ensure apparatus/transportation is ready for assignment.

TIME: 2 minutes

UTAH FIRE SERVICE CERTIFICATION SYSTEM

WILDLAND FIREFIGHTER I

NFPA 1140, 2022 edition

WILDLAND FIREFIGHTER I TRAINING RECORD / IN-HOUSE COMPREHENSIVE EXAM

Candidate Name:					Department:		
Candidate Signature:					Date of Completion:		
Chief/Training Officer Name:					Chief/Training Officer Signature:		
This form may be completed on a computer but must be printed out for the Certification tester to verify on test day. The date of completion must be filled in and the signatures of the chief/training officer and the candidate must be original signatures. The signatures attest that all skills have been trained on and a complete in-house comprehensive exam was administered and passed. Falsification of signatures or any component of this document may result in the revocation, suspension, or denial of certification.							
SECTION	TRAINING RECORD		IN-HOUSE COMPREHENSIVE EXAMS			SKILL	
	DATE	INSTRUCTOR	DATE	INSTRUCTOR	PASS		TESTER INITIALS
NWCG/FEMA Verification			N/A	N/A	N/A	Candidates must provide completed copies of the following NWCG/FEMA certificates (as outlined in the PMS 901-1): S-130, S-190, I-100, L-180, and I-700 to the tester prior to testing.	
4.2.1 - General 4.2.1, 4.4.2(a) General	4.2.1, 4.2.2					1. Demonstrate the proper use of a portable radio by transmitting and receiving information.	
	4.2.1, 4.2.2, 4.4.2(a)					2. Demonstrate the care, inspection, and maintenance of protective clothing.	
						3. Demonstrate the proper wearing of PPE.	
	4.2.1, 4.2.2, 4.6.3(a)					4. Demonstrate action to be taken during and after an air retardant drop.	
	4.2.1(a)(b), 4.2.2, 4.4.4, 4.6.3					5. Demonstrate the proper deployment of a fire shelter.	
4.4.3 (b) Preparedness	4.4.3(b)					6. Demonstrate techniques for inspecting, maintaining, and sharpening hand tools.	
	4.6.4(b)					7a. Demonstrate how to retrieve fire line hose using the single section drain and carry.	
						7b. Demonstrate how to retrieve fire line hose using a figure 8 technique.	

4.6.4 Suppression	4.6.4						8. Demonstrate the proper procedures for carrying hand tools and passing crew members while working on a fire line.
							9. Demonstrate the proper procedures for passing cutting tools.
							10. Demonstrate the proper use of a fire swatter.
	4.6.4(a)(b), 4.6.7(a)(b)						11. Demonstrate the proper procedures for assembly, use, and maintenance of a backpack pump.
	4.6.5(a)(b)						12. Simulate the proper igniting, use, and extinguishment of a fuse.
							13a. Demonstrate the proper procedures for assembling a drip torch.
							13b. Simulate the proper procedures for mixing fuel and fill a drip torch.
							13c. Simulate the proper procedures for lighting, using, and extinguishing a drip torch.
							13d. Simulate the proper procedures for storage of a drip torch after use.
	4.6.5, 4.6.6(a)(b), 4.6.7(a)(b)						14a. Demonstrate the proper use of tools and appliances during hose lay operations: simple/extended hose lay.
	4.6.6(a)(b), 4.6.7(a)(b)						14b. Demonstrate the proper use of tools, appliances, and fittings during hose lay operations: progressive hose lay.
	4.6.4(a)(b), 4.6.7						15. Demonstrate the proper use of hand tools while building a fire control line.
	4.6.4(a)(b)						16. Demonstrate the proper building of a cup trench on a slope.
							17. Demonstrate the proper building of a control line using the “bump up” or “one lick” technique.
	4.6.7(a)(b)						18. Demonstrate a wet mop-up.
							19. Demonstrate a dry mop-up.
							20. Demonstrate cold trailing a fire.
	4.6.8(a)(b)						21. Demonstrate follow-up procedures for securing a control line.
	4.6.2(a)(b) Preparedness						22. Assemble and prepare for a response.

WILDLAND
FIREFIGHTER II
CERTIFICATION
STANDARD

WILDLAND FIREFIGHTER II CERTIFICATION REQUIREMENTS

Entrance Requirements

In order to certify within the Utah Wildland Firefighter II program, candidates must fulfill the following requirements:

1. Complete entrance requirements.
2. Set up and maintain department records.
3. Train on the required written and practical objectives.
4. Pass a department in-house practical skills examination.
5. Meet any other training requirements/prerequisites as defined by the Certification Council.
6. Pass both written and practical skills examinations administered by the Certification Council.
7. Request Wildland Firefighter II certification.
8. Request Wildland Firefighter II recertification at the end of each 3-year certification period.

Physical Fitness Requirements

The UFSCC acknowledges the importance of and need for physical fitness requirements as listed in NFPA 1140, *Standard for Wildland Firefighting Personnel Professional Qualifications* (2022). Many agencies and departments have existing policies, regulations, etc. already in place regarding these requirements. The handling of physical fitness requirements is a **LOCAL MATTER**, outside the authority and jurisdiction of the UFSCC. The council will not check, test, evaluate, or determine how individual agencies meet these requirements. Some departments have found it necessary to waive any type of physical fitness requirements due to their own special needs. As a local decision, this is permitted. However, due to the amount of physical, mental, and emotional stress inherent in this profession, **the Utah Fire Service Certification Council strongly recommends careful evaluation before altering or doing away with any existing physical fitness requirements.**

Entrance requirements (including those listed in Chapter 1 of NFPA 1140 [2022]):

1. Meet the minimum educational requirements established by the authority having jurisdiction.
2. Utah Fire Service Certification Council Policy 11.3 requires that a candidate be at least 18 years of age to test and be certified.
3. Meet the medical requirements of NFPA 1582, *Standard on Comprehensive Occupational Medical Program for Fire Departments*, 2022 edition, as determined by the medical authority of the AHJ.
4. Physical fitness requirements for entry-level personnel should be developed and validated by the authority having jurisdiction. Physical fitness requirements should be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

Department Training Officers

For a department to enroll in the certification process, it is necessary for the department to assign training officers. Departments who **do not** have certified personnel to act as training officers for certification training should contact the Utah Fire & Rescue Academy at (801) 863-7709 for assistance in setting up and monitoring certification training.

Department training instructors shall be certified at the level they are teaching. In addition, the Certification Council strongly recommends that training officers and instructors be state certified at the Instructor I level and/or meet the qualifications listed in the current Field Managers Course Guide (FMCG) (PMS 901-1).

Department training officers or instructors will be responsible for certification training. Their primary responsibility will be to teach, evaluate, and in-house test department personnel on the skill and evolution requirements for each level of certification training.

The final entrance requirement is to complete the **Intent to Participate** form provided in Appendix C and return it to the Certification Office. Remember, participation in the certification process is **VOLUNTARY**. Once you have enrolled, you can withdraw if desired.

If a department is already participating in the Utah Fire Service Certification System, it will not be necessary to file another Intent to Participate form.

WILDLAND FIREFIGHTER II DEPARTMENT TRAINING

The position of a Wildland Firefighter II is one that requires a high level of skill and knowledge. The training that is given to and received by wildland firefighter candidates should be of the highest quality and degree. All training received must meet the requirements of NFPA 1140 (2022) Chapter 5, and the skills as approved by the UFSCC contained within this Utah standard. All training received must be documented and recorded on the UFSCC training record. All testing for Wildland Firefighter II will be conducted following the Policies and Procedures of the UFSCC.

Training for Wildland Firefighter II can be obtained by completing the following to qualify to take the state certification examination.

Advanced Firefighter Training (S-131, S-133): In addition to **S-131**, it is **required** that departments also complete the following:

- S-211, Portable Pumps and Water Use
- S-212, Wildland Power Saws
- RT-130, Annual Refresher

(Training may be requested by calling the Training Division of the Utah Fire & Rescue Academy at 801-863-7709.)

The course material should be referenced to the following material to prepare the candidate to successfully pass the state certification examination.

Written Objectives

Written objectives for Wildland Firefighter II are covered in the following materials:

- NFPA 1140 (2022)
- NWCG, *Incident Response Pocket Guide* (IRPG), (2022)
- *New Generation Fire Shelter*, PMS 411
- NWCG S-130, *Firefighter Training* (2021)
- NWCG S-131, *Firefighter Training* (2020), <https://www.nwcg.gov/publications/training-courses/s-131>
- NWCG S-212, *Wildland Fire Chainsaws* (2012), <https://www.nwcg.gov/publications/training-courses/s-212>
- NWCG S-211, *Portable Pumps and Water Use* (2012), <https://www.nwcg.gov/publications/training-courses/s-211>
- NWCG L-180, *Human Factors in the Wildland Fire Service*
- FEMA IS-100
- FEMA IS-700

There are numerous methods departments have used to help prepare their personnel for the written examination. Considering the high level of skill and knowledge that is required of a Wildland Firefighter II, the council

recommends that the candidate participates in a comprehensive class and receive instruction on both skills and written requirements.

Skill Objectives

Each candidate **must** be trained and evaluated in the performance of **all** skills as found in this Utah certification standard. Each of the skill objectives shall be completed swiftly, safely, and with competence as defined below:

- **Swiftly.** Each skill objective must be completed within the allotted time.
- **Safely.** Each skill objective must be completed safely. Conduct that could injure an individual or damage equipment is unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **With Competence.** Each skill objective is performed in accordance with this Utah certification standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the UFSCC skill objectives.

Department Training Records

Each candidate shall have a current, accurate, and complete training record on file with the department which indicates that they have been trained on all skill objectives. **The training record must be completed in its entirety to test.** Training records may be completed on a computer or by hand. Departments may set up their own training records, use the one provided in this standard, or use the fillable training record found on UFRA's website. If a department chooses to set up their own training record, it must meet the following requirements:

1. Indicate the certification level and its corresponding NFPA standard number and edition.
2. Include a signature line for the candidate, which attests that all skills have been trained on and a complete in-house comprehensive exam was administered and passed.
3. Include a signature line for the chief/training officer, which attests that the candidate has been trained on all skills and a complete in-house comprehensive exam was administered and passed.
4. Include a line to record the date the training record was completed.
5. List all the skills from this Utah certification standard for this level. Include columns indicating the training dates, training instructors, the date of exams, exam instructors, and whether the candidate passed each exam (see the training record examples in this standard).

Department In-House Skills Examination

At the completion of the department skills training, the department is required to hold an in-house skills examination for the level being trained. This is a comprehensive in-house skills test conducted by the department training officers. This test is to ensure that skill mastery has been maintained from the beginning to the end of the training process, and to prepare candidates for the state examination. Training officers may utilize other personnel to assist in administering the exam; however, they must be certified at the level they are in-house testing.

Proctor instructions for the examination are in Appendix B. In-house testers shall follow the proctor instruction sheet to ensure uniformity and fairness during the exam. It is recommended that candidates be given two attempts at any skill. **If they fail on the second try, then they have failed the examination and are required to go through additional training by the department trainer.** No training, teaching, or coaching is allowed during the test. After the in-house examination, using the test to teach and train is recommended.

If skill weaknesses are evident, the department should conduct additional training and hold a new department in-house skills examination to ensure their personnel have fully mastered all required skills. Only those candidates who successfully pass the department's skills test will be allowed to participate in the Certification Council's skills spot check examination. Department training records must show that all candidates have successfully passed the in-house examination.

WILDLAND FIREFIGHTER II CERTIFICATION EXAMINATIONS

After completion of the training process, the chief/administrator can request testing for the candidate. Using the Examination Request form in Appendix C, the chief/administrator may request a written examination or a skills spot check examination. The candidate will then have three attempts to pass the written examination and three attempts to pass the skills spot check examination. A separate application must be sent to the Certification Office for each attempt. Request forms must reach the Certification Office no later than 30 days prior to the examination date. The entire examination process must be completed within one year of the first written exam date.

Written Examinations

The written examination is a randomly generated **50-question** test covering the written objectives of the Wildland Firefighter II standard. A minimum score of 70% is required to pass the certification exam. Firefighters failing the first attempt of the written exam will be permitted to retest no sooner than **30 days** from the date of the last exam. Three attempts are allowed to pass the exam. If candidates fail the written examination three times, they have failed the certification process and must wait **one year** from the date of the last failed exam before reentering testing. Exam pass/fail results are forwarded to the chief within 30 days following the receipt of the completed exam. Candidates are permitted to use the IRPG as a reference during the state exam.

SAMPLE WRITTEN EXAMINATION QUESTION:

To avoid possible confusion, all forms, notes, and records must include:

- a. name and unit number
- b. home base and destination
- c. **date and time**
- d. signature and unit number

Skills Spot Check Examinations

This is a two-step examination. The first step is a department records check and the second is a skills spot check examination. A Certification tester appointed by the Utah Fire Service Certification Council conducts the examination.

Training records are checked. If records are inadequate, corrective action must be taken before proceeding to the next step. The records must meet minimum requirements and are checked for the following:

- ☐ Candidate has been trained in each skill for the level being evaluated.
- ☐ A department training officer has signed off each skill.
- ☐ Each candidate has passed a department in-house skills examination.

The skills spot check examination is graded on a 100% pass/fail basis. The test is graded in the following three areas:

- **Swiftly.** Each skill objective must be completed within the allotted time.
- **Safely.** Each skill objective must be completed safely. Conduct that could injure an individual or damage equipment is unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **With Competence.** Each skill objective must be performed in accordance with this Utah certification standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the UFSCC skill objectives.

Candidates are spot checked on three skills. No prior notification of the skills being tested will be given. Candidates are given two attempts, if necessary, to perform each skill. If they fail on the second try, then they have failed the examination. Applicants must wait **30 days** before the third and final attempt. Candidates taking third attempts will test on the skill they failed plus ONE additional skill from the section of the standard they failed in the previous two attempts. **No training, teaching, or coaching is allowed during this state test.**

Candidates who have failed the third attempt of the written examination or the skills examination have failed the certification process and must wait **one year** from the date of the failed third attempt to reenter state testing. The candidate will begin testing with a new **first attempt** of the written examination, following a request for examination. If a candidate wishes to enter a new course, the candidate may petition the Certification Office to reenter the certification examination process no sooner than 120 days after their **third attempt** failure. In the petition, candidates must explain the reason(s) behind their request to reenter the process.

WILDLAND FIREFIGHTER II CERTIFICATION

When all requirements for certification have been met, applicants are eligible to be certified. The chief/administrator may apply to the Utah Fire Service Certification Council for certification for those candidates who have successfully completed the certification training/testing process. Requests for state certification must be submitted to the Certification Office using the Certification/Recertification Request form provided in Appendix C. The names are then checked against the official state records to ensure that each individual listed has met all requirements and prerequisites.

Recertification

Wildland Firefighter II certification level is valid for a three-year period. Each certified firefighter may renew certification by having the chief/administrator of the participating agency submit a Certification/Recertification Request (provided in Appendix C).

Each certified firefighter shall participate in at least 36 hours of structured class and skill training per year. A total of 108 hours of training is required during the previous certification period.

For more information on Utah Firefighter certification, contact the:

Utah Fire Service Certification Council
Utah Fire & Rescue Academy
3131 Mike Jense Parkway
Provo, UT 84601
(801) 863-7709

WILDLAND FIREFIGHTER II CERTIFICATION CHECKLIST

ENTRANCE REQUIREMENTS

- ☐ Each candidate has met the requirements listed in NFPA 1140 (2022).
- ☐ The department has filed an Intent to Participate form with the UFSCC.

DEPARTMENT TRAINING RECORDS

- ☐ Each candidate has a training record on file with the department that shows:
 1. A learning experience in each skill objective
 2. Dates of training
 3. Initials of the instructors
- ☐ Each candidate has trained on the Wildland Firefighter II written objectives.
- ☐ Each candidate has a completed and certified **NWCG Firefighter I task book** from an authorized organization (i.e., State of Utah, BLM, U.S. Forest Service, etc.).
 - Attach a copy of the Verification/Certification on page 2 of the completed task book.

DEPARTMENT IN-HOUSE SKILLS EXAMINATION

- ☐ Each candidate has successfully completed an in-house skills examination.
- ☐ Exam results are documented in department training records.

CERTIFICATION EXAMINATIONS

- ☐ Each candidate has passed the UFSCC written examination.
- ☐ Each candidate has passed the UFSCC skills spot check examination administered by an approved Certification tester.

WILDLAND FIREFIGHTER II CERTIFICATION

- ☐ The chief/administrator has requested certification for candidates using the Certification/Recertification Request form.

WILDLAND FIREFIGHTER II SKILL OBJECTIVES

GENERAL

1. Demonstrate use of a map and a compass.

REFERENCE: NFPA 1140 (2022), 5.1.1; S-131

CONDITION: Given a local topographical map and a compass

COMPETENCE:

- Accurately determine local declination.
- Use compass to point to true north.
- Accurately orient map using compass, landmarks, improved properties, streets, access roads, and/or topographical features.
- Accurately identify current location by determining back azimuths to two identifiable landmarks or topographical features.
- Verify location by comparing topographical features or street references with map.
- Describe location in terms of coordinates or other acceptable description.
- Accurately read map symbols.
- Accurately compute distance and bearing.
- Accurately navigate to an assigned destination.

TIME: 5 minutes

2. Demonstrate the proper use of a portable or mobile multi-channel radio.

REFERENCE: NFPA 1140 (2022), 5.1.2, 5.5.6

CONDITION: Given a radio and an assignment

COMPETENCE:

- Use clear text.
- Correctly prepare radio for operation.
- Complete radio check.
- Select proper channel.
- Make appropriate adjustments (squelch/volume).
- Change location to improve reception/transmission (as needed).
- Use proper radio procedures and techniques.
- Exercise proper radio discipline.
- Describe agency procedures for emergency notification (emergency traffic).
- Describe limitations of radio communications.

TIME: 2 minutes

HUMAN RESOURCE MANAGEMENT

3. Properly size-up a fire and identify a safety zone.

REFERENCE: NFPA 1140 (2022), 5.2.2; S-131, Unit 3; IRPG

CONDITION: Properly describe the safety zone guidelines utilizing the IRPG.

COMPETENCE:

- Explain the difference between a safety zone and a deployment site.
- Describe limitations of safety zone guidelines.

TIME: 3 minutes

4. Evaluate the readiness of yourself and assigned crew members so that all are equipped and supplied for assigned duties.

REFERENCE: NFPA 1140 (2022), 5.2.1, 5.2.3; S-131, Unit 1

CONDITION: Given a wildland fire assignment, agency forms, equipment, and personal protective equipment

COMPETENCE:

- Inspect/ ensure all members are qualified and physically fit by verifying red card
- Inspect personal kit to ensure it contains items needed for assignment:
 - IRPG
 - Radio programming guide
 - Agency documentation, AHJ-approved
 - ICS forms/incident organizer
 - Local maps
- Know flight weight limitation (if applicable).
- Inspect crew members' personal gear to ensure that it contains items needed for assignment:
 - PPE
 - Prescribed medications
 - Personal hygiene products
 - Incident-specific tools and equipment
 - Food and water
 - First aid kit

TIME: 3 minutes

5. Brief assigned personnel on current mission and/or assignment. Utilize the IRPG's briefing checklist.

REFERENCE: NFPA 1140 (2022), 5.2.2, 5.2.3;
S-131, Units 1–2;
IRPG

CONDITION: Given an assignment, an IRPG, and equipment requirements

COMPETENCE:

- Situation
- Mission/Execution
- Communications
- Service/Support

- Risk management
- Questions or concerns

TIME: 5 minutes

PREPAREDNESS/SUPPRESSION

6. **Maintain and operate a chainsaw so that the proper tool is selected, and the assignment is correctly completed.**

REFERENCE: NFPA 1140 (2022), 5.3.2, 5.5.4;
S-212, “Wildland Fire Chainsaws”

CONDITION: Given proper PPE, including saw chaps, hearing protection, and eye protection, demonstrate the proper use of a chainsaw.

COMPETENCE:

- Prepare site for safe chainsaw operation
- Use proper PPE (including saw chaps).
- Use correct fueling and starting procedures.
- Correctly carry chainsaw.
- Demonstrate appropriate cut locations and wedge placement
- Use correct stopping and refueling procedures.
- Inspect and maintain saw.
- Return to storage compartment for re-use

TIME: 10 minutes

7. **Maintain and operate an engine-mounted or portable pump so that the proper tool is selected, and the assignment is correctly completed.**

REFERENCE: NFPA 1140 (2022), 5.3.2, 5.5.5;
S-211, “Portable Pumps and Water Use”

CONDITION: Given an assignment/scenario and a pump and accessories to supply a simple hose lay

COMPETENCE:

- Plan pumping operation (appropriate agent, water source, type of pump, and accessories).
- Correctly position pump and assemble accessories.
- Prime, start, and warm up pump.
- Operate pump engine at desired PSI and GPM.
- Refuel and maintain pump for continuous operation.
- Correctly stop pump.
- Provide correct field maintenance to engine and pump in accordance with maintenance guidelines.

TIME: 8 minutes

8. **Inspect tools and water handling equipment to ensure availability of the tools and equipment for fire use.**

REFERENCE: NFPA 1140 (2022), 5.3.3

CONDITION: Given an assignment, water handling equipment, and wildland hand tools (AHJ)

COMPETENCE:

- Inspect water handling equipment for readiness.
- Inspect hand tool for readiness.

TIME: 5 minutes

9. Simulate the reduction of fire exposure to improved properties so that improvements are protected and the risk from fire is reduced.

REFERENCE: NFPA 1140 (2022), 5.5.3

CONDITION: Given a wildland/urban interface fire scenario and photo, a crew, tools, and an assignment

COMPETENCE:

- Take appropriate action to safely initiate action during initial attack or when completing assigned incident tasks.
- Direct the rearrangement and reduction of fuel.
- Direct the securing of hazards.
- Direct the preparation of the building/structure.
- Direct the application of pre-treatment agents (foam, gel).

TIME: 5 minutes

10. Describe methods to secure the area of suspected fire origin and associated evidence so that all evidence or potential evidence is protected from damage or destruction and reported to a supervisor.

REFERENCE: NFPA 1140 (2022), 5.5.7;
IRPG (2022), p. 100

CONDITION: Given a wildland fire and agency procedures

COMPETENCE:

- Describe methods to secure area of suspected fire origin and associated evidence.
- Describe how to identify and protect suspected evidence.
- Notify supervisor of possible evidence.

TIME: 5 minutes

11. Serve as a lookout so that firefighters are warned of changing conditions.

REFERENCE: NFPA 1140 (2022), 5.5.8;
S-131, Unit 3

CONDITION: Given a wildland fire and AHJ (LCES) procedures

COMPETENCE:

- Establish/maintain communications with assigned resources.
- Choose position with a good view of all aspects of hazard, values to be protected, and personnel.

- Carry proper equipment (watch, weather observation equipment, map, and radio/batteries).
- Provide updates on any changes that may compromise the safety of fire line personnel.
- Provide appropriate warnings and direction using hand signals for hazardous conditions and/or indications of extreme fire behavior.
- Ensure strategy and tactics are consistent with LCES.
- Modify LCES to meet changing conditions.

TIME: 5 minutes

12. Select fire line construction methods so that the technique used is compatible with the conditions and meets agency standards.

REFERENCE: NFPA 1140 (2022), 5.5.2;
S-130, Unit 9;
S-131, Unit 3

CONDITION: Given an assignment and agency standards

COMPETENCE:

- Properly size up the fire: topography, time of day, fuel group, weather conditions (current, forecasted), and expected fire behavior/intensity.
- Define hazards and evaluate escape routes/safety zones.
- State point of origin and cause.
- State size of fire and location of head.
- State values to be protected (improved properties, agricultural, recreational, etc.).
- Evaluate Initial Attack Plan.
- Direct tactical operations which provide safety to the firefighter.
- Use appropriate fire suppression strategy.
- Use appropriate fire line construction methods.
- Develop appropriate tactics based on selected strategy, values to be protected, and expected fire behavior.
- Maintain status reporting.
- Request additional resources as needed.

TIME: 5 minutes

13. Demonstrate techniques for inspecting, maintaining, and sharpening hand tools.

REFERENCE: NFPA 1140 (2022), 5.3.1(b);
S-130, Unit 8, “Tools and Equipment”

CONDITION: Given PPE, any wildland hand tool, and a file with a handle and a guard

COMPETENCE:

- Wear PPE properly.
- Wear eye protection.

- Wear gloves.
- Describe at least three items to inspect to ensure tools are in safe working condition.
- Use file handle.
- Use file guard.
- Safely secure tools for sharpening.
- Maintain clearance around the working area.
- Use flat palm against the file.

TIME: 5 minutes

14. Describe all activities to contain and extinguish a wildland or wildland/urban interface fire, beginning with dispatch.

REFERENCE: NFPA 1140 (2022), 5.5.1, “Suppression”; S-131, Unit 1; IRPG (2022)

CONDITION: Given a scenario of a small 1-acre grass fire, moderate spread, light winds, adequate access, a crew, tools, and an assignment

COMPETENCE:

- Obtain information from dispatch.
- Report location.
- Bring adequate personal gear, PPE, kit, etc.
- Obtain initial briefing from supervisor.
- Identify position responsibilities/tasks.
- Select the proper tools and equipment.
- Apply the principles of the ICS.
- Apply means of communication, radio, etc.
- LCES.
- Evaluate risks/hazards.
- Apply wildland fire operating procedures (IRPG).

TIME: 5 minutes

UTAH FIRE SERVICE CERTIFICATION SYSTEM

WILDLAND FIREFIGHTER II

NFPA 1140, 2022 edition

WILDLAND FIREFIGHTER II TRAINING RECORD / IN-HOUSE COMPREHENSIVE EXAM

Candidate Name:						Department:		
Candidate Signature:						Date of Completion:		
Chief/Training Officer Name:						Chief/Training Officer Signature:		
This form may be completed on a computer but must be printed out for the Certification tester to verify on test day. The date of completion must be filled in and the signatures of the chief/training officer and the candidate must be original signatures. The signatures attest that all skills have been trained on and a complete in-house comprehensive exam was administered and passed. Falsification of signatures or any component of this document may result in the revocation, suspension, or denial of certification.								
SECTION		TRAINING RECORD		IN-HOUSE COMPREHENSIVE EXAMS			SKILL	TESTER INITIALS
		DATE	INSTRUCTOR	DATE	INSTRUCTOR	PASS		
NWCG/FEMA Verification				N/A	N/A	N/A	Candidates must provide completed copies of NWCG/FEMA certificate S-131 (as outlined in PMS 901-1) to the tester prior to testing.	
NWCG/FEMA Verification				N/A	N/A	N/A	Candidates must have a completed and certified NWCG Firefighter I task book from an authorized organization (i.e., State of Utah, BLM, U.S. Forest Service, etc.). <i>(Attach a copy of the Verification/Certification on page 2 of the completed task book.)</i>	
General	5.1.1 (a)(b)						1. Demonstrate use of a map and a compass.	
	5.1.2, 5.5.6 (a)(b)						2. Demonstrate the proper use of a portable or mobile multi-channel radio.	

Human Resource Management	5.2.2(a)						3. Properly size up a fire and identify a safety zone.
	5.2.1(a)(b) 5.2.3						4. Evaluate the readiness of yourself and assigned crew members so that all are equipped and supplied for assigned duties.
	5.2.2(a)(b), 5.2.3(a)(b)						5. Brief assigned personnel on current mission and/or assignment. Utilize the IRPG's briefing checklist.
Preparedness/Suppression	5.3.2, 5.5.4(a)(b)						6. Maintain and operate a chainsaw so that the proper tool is selected, and the assignment is correctly completed.
	5.3.2, 5.5.5(a)(b)						7. Maintain and operate an engine-mounted or portable pump so that the proper tool is selected, and the assignment is correctly completed.
	5.3.3(a)(b)						8. Inspect tools and water handling equipment to ensure availability of the tools and equipment for fire use.
	5.5.3(a)(b)						9. Simulate the reduction of fire exposure to improved properties so that improvements are protected and the risk from fire is reduced.
	5.5.7(a)(b)						10. Describe methods to secure the area of suspected fire origin and associated evidence so that all evidence or potential evidence is protected from damage or destruction and reported to a supervisor.
	5.5.8(a)(b)						11. Serve as a lookout so that firefighters are warned of changing conditions.
	5.5.2(a)(b)						12. Select fire line construction methods so that the technique used is compatible with the conditions and meets agency standards.
	5.3.1 (b)						13. Demonstrate techniques for inspecting, maintaining, and sharpening hand tools.
	5.5.1						14. Describe all activities to contain and extinguish a wildland or wildland/urban interface fire, beginning with dispatch.

APPENDIX A
FIRST AID INFORMATION

Basic Emergency Medical Care Guidelines for Wildland Firefighters

(not all-inclusive)

Reference: NWCG, *Incident Response Pocket Guide [IRPG]*, 2022, 105–120

The following injuries may merit immediate transport.

Bleeding:

Direct pressure, elevate, and tourniquet if the first two actions fail to control extremity bleeding

Shock:

Lay patient down, elevate feet, and keep warm.

Fractures:

Splint joints above and below injury. Monitor pulse and sensation before and after splinting the limb.

Head Injury:

Stabilize patient's head and neck, maintain airway.

Bee sting:

(Or other allergic reaction with rash, face or airway swelling, difficulty talking/breathing): If the patient has an epi kit, assist them in using the medication.

Burns:

Remove heat source, cool with water, dry wrap, and give fluids if conscious.

Burn Injuries:

INITIATE MEDICAL EVACUATION IMMEDIATELY.

- Remove person from heat source while looking for signs of a burned airway (e.g., singed facial or nasal hairs, soot or burns around or in nose or mouth, black sooty sputum, etc.).
- Apply cool, clear water over burned area. Do not soak person or use cold water and ice packs, as this may cause hypothermia.
- Examine for other injuries.
 - Provide basic first aid.
 - Monitor airway, breathing, circulation (ABCs).
 - Treat for shock by keeping person warm, feet elevated.
 - Provide oxygen, if available and trained to administer.
- Assess degree of burn and area affected.
 - First Degree (Superficial): Red, mild to moderate pain
 - Second Degree (Partial Thickness): Skin may be red and raw, blistered, swollen, painful to very painful.
 - Third Degree (Full Thickness): Whitish, charred, or translucent, no pin prick sensation in burned area.
 - Rule of Palms: Patient's palm = 1% of their body surface. Estimate how many times the patient's palm could be placed over the burned areas to estimate the % of body that has been burned.
- Cut away only burned clothing. Do not cut away clothing stuck to burned skin. Remove jewelry near injured area.
- Loosely wrap burned area with clean, dry dressing; moisten with clean water; and apply dry dressing on top.

- For severe burns or burns covering large area of body:
 - Loosely cover burned area with clean, dry dressing if available.
 - If dressings are unavailable, mylar blankets, plastic wrap, or clean blankets or clothing can be used.
- Monitor ABCs.
- Keep patient warm and dry. *DO NOT* use wet dressings or blankets.
- Avoid hypothermia and overheating.

Eye Injuries:

Wash out foreign material. Don't open swollen eyes. Bandage impaled objects in place, and bandage both eyes if possible.

Heat Stroke: Cool body as quickly as possible.

Definition and symptoms:

- A heat-related injury (HRI) is a potentially fatal condition caused by elevated body temperatures from internal heat produced by activity or external environmental heat added to the body that cannot be removed to maintain a normal body temperature.
- Symptoms of an HRI may be difficult to recognize and may occur in no particular order. If an individual shows any of the symptoms below they should seek medical attention.
 - Profuse sweating with warm or cool, clammy skin leading to hot, dry skin
 - Muscle cramps and weakness
 - Dizziness, headache, and irritability
 - Rapid, weak pulse
 - Vomiting
 - Mental status change, as simple as not talking as much
 - Loss of consciousness

Steps to take if an HRI is suspected:

- Cool the body as quickly as possible, then treat other conditions.
 - Cooling levels will depend on severity
 - Recovery from high body temperature requires:
 - Reduction of work output
 - Removal from sources of heat
 - Proper nutrition and hydration strategies

Considerations for mitigation during firefighting:

- Heat stress mitigations are not just a shift-to-shift concept. It is also task-to-task and even a minute-to-minute.
- The ability to handle heat is different between individuals and varies on a daily basis.
- Performing physical tasks, such as hiking up hills, is our largest producer of body heat.
 - Hikes into a fire typically raise your body temperature 1–2 degrees Fahrenheit from your pre-hike level.
- At elevated body temperatures, risk of HRI has a lesser margin of error.
- Maintain low skin temperature when possible, as it allows heat transfer from the body.
- Pack weights exceeding 25% of body weight add to the demand of an activity.
- Work expectations above physical fitness levels can increase risk of an HRI.

APPENDIX B
IN-HOUSE PROCTOR INSTRUCTIONS

Proctor Instructions for In-House Comprehensive Examination

As the training officers for your department, you are authorized by the Certification Council to conduct an in-house skills examination (100%) for this level of certification. You must be certified to the level that you are testing. For example, if you're FF II you can test both FF I and II, Awareness and Operations. The in-house skills examination must be completed and signed off prior to the actual certification spot check exam (administered by a UFRA certification tester).

- **Prior to conducting the test, review each candidate's training record.**

It is important that before doing this in-house training skills test, the candidate has completed training in all areas for the level being tested.

- **Select and brief a safety officer.**

Select a safety officer to assist you during the test. This person is there to protect the candidates from injury during the testing process, is not taking the test, and is not assisting with the testing process. The safety officer must be qualified at the level being tested.

To better evaluate the skills being tested and determine the candidate's readiness for the State Spot Check exam, follow these in-house exam instructions:

1. This is a TEST and there should be NO COACHING or TRAINING during the testing process. If a candidate fails to perform a skill, that skill will count as a first attempt failure and they will be given a second attempt. If they fail a second attempt, they need to be retrained on that skill and tested again. Only **qualified** candidates that have passed with **100%** should be allowed to take the State Spot Check exam.
2. Before beginning the testing process, conduct a meeting with all candidates and review the testing process. Explain that this is a test and that the same process being used for the in-house exam will be used during the state exam.
3. Designate two separate areas for students testing: One area for those who are in the testing process and one area for those who have not yet begun the testing process. If separate areas are not available, make sure someone is in the room to ensure that students do not discuss the testing material. Make sure these areas have no training manuals or other reference materials for students to look at while awaiting testing.
4. To evaluate a candidate's performance, use the following as a guide:
 - a. The skill is completed in the allotted time.
 - b. Competence is shown by completing all performance criteria.
 - c. Safety is a priority while completing the skill.
5. At each test station, the tester will read the skill to be demonstrated, the condition to be met, and the time limit to complete each skill. This information is contained in the skill section of each standards packet. Do this with each student as they come to each testing station. Ask for any questions. As each skill is tested and completed, sign it off in the section provided on the candidate's training record.

By conducting the in-house skills examination in this manner, you will prepare your candidates to successfully pass the State Spot Check exam. This will also ensure that training records are current and that only those who are truly prepared take the Certification Examination.

APPENDIX - C

CERTIFICATION FORMS AND FEES

Certification forms and fees are located on our website at UVU.edu/UFRA under Certification
https://www.uvu.edu/ufra/certification/certification_forms.html