

Utah Fire Service Certification System

TECHNICAL RESCUE

ICE RESCUE



CERTIFICATION STANDARD

September 1, 2022 (UFSCC)
Approved January 11, 2023 (ProBoard)
Updated May 17, 2023
Fees – October 2024
Evolution Examinations- January 2025

Utah Fire Service Certification Council

Chairperson

Scott Spencer, Chief

Payson Fire & Rescue

Vice-Chairperson

Jason Earl, Deputy Chief

Orem Fire Department

Council Members

TJ Brewer, Chief

Moab Valley Fire Department

Rod Hammer, Chief

Cache County Fire District

Ron Harris, Chief

Tropic Fire Department

Krista Horting, Deputy Chief

Spanish Fork Fire and EMS

Jeremy Raymond, Chief/Director

Uintah Fire Suppression SSD

Wade Snyder, Deputy Fire Management Officer

Division of Forestry, Fire & State Lands

Merlin Spendlove, Battalion Chief

Hurricane Fire & Rescue

Rod “Hoss” Tomkinson, Assistant Chief

Logan Fire Department

Christopher Trevino, Deputy Chief

West Jordan Fire Department

David Youngberg, Battalion Chief

North Davis Fire District

Ted Black, Utah State Fire Marshal

Utah State Fire Marshal’s Office

Utah Fire & Rescue Academy Staff

Brad Wardle, Director

Jolene Chamberlain, Assistant Director

Joan Aaron, Certification Program Manager

Certification Specialists:

Jennifer Lindley – Northern Region

Trudy Meister – Central Region

Sharon Stokes – Salt Lake County/Southern Region

For questions or comments concerning this or other Utah certification standards, please contact:

Utah Fire Service Certification Council

Utah Fire & Rescue Academy

Utah Valley University

3131 Mike Jense Parkway

Provo, Utah 84601

Phone 801-863-7709

Fax 801-374-0681

www.uvu.edu/ufra

Ice Rescue Technical Committee

The Certification Council would like to recognize and extend a voice of appreciation to the following fire service professionals for their work on the Ice Rescue certification standard. These individuals devoted many hours to reviewing the National Fire Protection Association (NFPA) 1006 standard, certification test banks, and curriculum textbooks to develop the wording for the skills for each discipline within this standard.

Thank You.

Ice Rescue Committee

Krista Horting, Deputy Chief
Spanish Fork Fire and EMS
*Certification Council Representative

Joshua Hicken, Captain
Springville Fire Department

Jason Putman, Senior FF/Paramedic
Provo Fire & Rescue

Tanner Ricks, Engineer
Lehi Fire Department

Tyson Frazier, Captain
Saratoga Springs Fire & Rescue

Table of Contents

Introduction	1
Technical Rescue Certification Requirements	2
Entrance Requirements	2
Physical Fitness Requirements	2
Department Training Officers	3
Department Training	3
Written Objectives	4
Skill Objectives.....	4
Department Training Records	4
Department In-House Skills Examination	5
Certification Examinations	5
Written Examinations	5
Skills Spot Check Examinations	6
Technical Rescue Certification Checklist	7
Prerequisites for Ice Rescue Certification.....	7
Recertification.....	7
Technical Rescue Checklist	8
Section I. Ice Rescue - Awareness	9
Ice Rescue - Awareness Skill Objectives.....	10
Ice Rescue - Awareness Evolution.....	13
Ice Rescue - Awareness Training Record	14
Section II. Ice Rescue - Operations	15
Ice Rescue - Operations Skill Objectives.....	16
Ice Rescue - Operations Evolution.....	21
Ice Rescue - Operations Training Record	22
Section III. Ice Rescue - Technician	23
Ice Rescue - Technician Skill Objectives	24
Ice Rescue - Technician Evolution	28
Ice Rescue - Technician Training Record.....	30
Appendix A. Ice Rescue Photos	
Ice Rescue Photo Examples	31
Appendix B. In-House Proctor Instructions	
Proctor Instructions for In-House Comprehensive Examinations	34
Appendix C. Certification Forms and Fees	35

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 20, “Ice Rescue,” in NFPA 1006, *Standard for Technical Rescue Personnel Professional Qualifications* (National Fire Protection Association, 2021), as verified and adopted by the Utah Fire Service Certification Council (UFSCC).

TECHNICAL RESCUE CERTIFICATION REQUIREMENTS

Entrance Requirements

Certification at the Technical Rescue – Ice Rescue; Awareness, Operations, or Technician levels is a unique process. Because of the method and manner in which NFPA has established to become certified, candidates must complete the prerequisites and/or requirements for any of the specialty areas as set forth in Chapter 20. In order to certify at the Technical Rescue level, candidates must fulfill the following requirements:

1. Complete the entrance requirements.
2. Set up and maintain department records.
3. Train on the required written and practical objectives in the specialty areas outlined in Chapter 20, “Ice Rescue.”
4. Pass an in-house practical skills examination for each specialty area.
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 Technical Rescue Certification for each specialty area completed.
8. Request 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 1006. 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.**

“All technical rescue activities should be carried out in the safest possible manner, including the consideration that all risks taken are to benefit the operation. Technical rescue skills require a high degree of physical activity, coordination, operational planning, and a strong knowledge of all applicable protocols” (NFPA 1006, 1.3.9).

Here are the entrance requirements outlined in NFPA 1006 (1.3.9, A.1.3.9):

1. Meet the minimum educational requirements established by the authority having jurisdiction.
2. The 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. Technical rescue operations involve activities that pose great physical and mental challenges requiring the rescuer to perform challenging physical activities in a high-stress environment. 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.
5. Prior to beginning training as technical rescue personnel, a minimum medical training requirement should be met.

6. People having the potential for encountering hazardous materials on an incident scene should be trained to recognize the hazard and to implement exposure and control methods.

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.

DEPARTMENT TRAINING

The position of an Ice Rescuer is one that requires a high level of skill and knowledge. The training that is given to and received by the candidate should be of the highest quality and degree. All training received must meet the requirements of NFPA 1006 (2021), including the sections regarding technical specialty areas in Chapter 20, and the skills as approved by the UFSCC in this Utah standard. All training received must be documented and recorded in the Training Record. All testing for Ice Rescue will be conducted following the Policies and Procedures of the UFSCC.

Training for Ice Rescue can be obtained by completing one of the following training courses or methods in order to qualify to take the state certification examination.

1. An Ice Rescue course which meets the requirements of NFPA 1006 (2021), Chapter 20. A Training Record as given in this standard must be completed for each person.
2. Department-Based Training. Departments can create their own Ice Rescue course which meets the requirements as outlined in NFPA 1006 (2021), Chapter 20. A Training Record as given in this standard must be completed for each person involved in the department-based training.

To prepare the candidate to successfully pass the state certification examination, the course material should be based on NFPA 1006 (2021) and the *Water Rescue* textbook published by Jones and Bartlett.

Written Objectives

Written objectives for Ice Rescue are covered in:

- Chapter 20, “Ice Rescue,” in NFPA 1006 (2021)
- Steve Treinish, *Water Rescue*, 3rd edition (Jones & Bartlett Learning, 2022)

This textbook is available from various fire service bookstores or on the internet. A list of current resources are available online at uvu.edu/ufra.

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 an Ice Rescuer, the Council recommends that the candidate participate 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 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 UFSCS 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 in order 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 online 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 date of trainings, training instructors, the date of exams, exam instructors, and whether the candidate passed each exam (see the Training Record on page 14 in this standard).

Department In-House Skills Examination

At the completion of the department's 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 examination 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 provide for 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 evaluation and are required to go through additional training by the department trainer.** No training, teaching, or coaching is allowed during the test. After the evaluation, 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 individuals who successfully pass the department skill test will be allowed to participate in the Certification Council's skills spot check examination. Department records must show that all candidates have successfully passed the in-house exam.

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 candidate will then have three attempts to pass the written examination. A separate request 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 test covering the written objectives of the Technical Rescue standard of NFPA 1006 (2021).

Chapter 20 Certification Level	# of Questions
Ice Rescue - Awareness	20
Ice Rescue - Operations	30
Ice Rescue - Technician	20

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 a candidate fails the written examination three times, they failed the certification process and must wait one year from the date of the last failed exam before reentering testing. Exam results are forwarded to the Chief/Administrator within 30 days following the receipt of the completed exam.

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. Candidate has been trained in each skill and evolution for the level being evaluated.
2. A department training officer has signed off each skill and evolution.
3. Each candidate has passed a department in-house skills and evolution 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 UFSCS skill objectives.

Evolution Examinations: Candidates are spot checked on one Evolution Examination for each level (Awareness, Operations, Technician), or three skills for that level (chosen randomly). This is a 100% pass/fail test. If a candidate fails any portion of the skill, then they have failed the evolution/skill and must retest the entire evolution/skill. Candidates who fail the second attempt must wait **30 days** before the third and final attempt. **No training, teaching, or coaching is allowed during this state test.**

- Ice Rescue Awareness: one Evolution Examination, three skills for that level
- Ice Rescue Operations: one **Team** Evolution Examination, or three skills for that level
- Ice Rescue Technician: one **Team** Evolution Examination, or three skills for that level

The skills will be from NFPA 1006 (2021), Chapter 20. Candidates are given two attempts to perform each skill/evolution. If they fail on the second attempt, the applicants must wait 30 days before the third and final attempt. Participants taking third attempts will test on the skill/evolution they missed and one additional skill.

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.

TECHNICAL RESCUE 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.

Prerequisites for Ice Rescue Certification

To qualify to train on the NFPA 1006 section listed in the left column, candidates must have completed the prerequisite training indicated in the right column.

Training	Prerequisites
Ice Rescue - Awareness (20.1)	
Ice Rescue - Operations (20.2)	20.1
Ice Rescue - Technician (20.3)	20.2

Recertification

Certifications are valid for a three-year period. Each certified Technical Rescuer may renew certification by having the Chief/Administrator of the participating agency submit a Certification/Recertification Request (provided in Appendix C of this standard).

Certified candidates should participate in at least 36 hours of structured class and skill training per year to maintain competency and stay current on their skills. This 36 hours is for all certified levels combined, not 36 hours for each individual level. A total of 108 hours of training is required for the previous three-year certification period.

Recertification for Technician Levels Only

Because of the high level of skills required of a Ice Rescue Technician, the Certification Council requires that candidates complete an in-house comprehensive examination evolution—that allows them to demonstrate the technician-level skills contained in this standard—as part of their recertification process. An original copy of a candidate's Technician Training Record for the previous three-year period must accompany each technician recertification request, verifying the candidate is qualified in all technician level skills.

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, www.uvu.edu/ufra

TECHNICAL RESCUE CERTIFICATION CHECKLIST

ENTRANCE REQUIREMENTS:

- ☐ Each candidate has met the requirements listed in NFPA 1006, 2021 edition.
- ☐ Each candidate has trained on the Technical Rescuer level written objectives.

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
- ☐ Each candidate has trained on the Technical Rescue level written objectives.

DEPARTMENT IN-HOUSE SKILLS EXAMINATION:

- ☐ Each candidate has successfully completed an In-House skills and evolution 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 and evolutions examination.
- ☐ A Spot Check examination was administered by an approved UFRA Certification Tester(s).

TECHNICAL RESCUE CERTIFICATION:

- ☐ The Chief/Administrator has requested certification for candidates using the Certification/Recertification Request.

SECTION I
ICE RESCUE - AWARENESS

ICE RESCUE – AWARENESS SKILL OBJECTIVES

To complete the skills contained in this chapter, the AHJ must be able to provide a safe testing environment for the candidates and accept all liability for candidate safety. The AHJ must have the capacity to provide a safe training/testing location for the incident.

1. Conduct a scene size-up/site survey for an ice rescue incident (including search parameters, risk-benefit analysis, etc.)

REFERENCE: NFPA 1006, 2021 edition, 20.1.1

CONDITION: Given the graphic of the scene or an AHJ approved testing location, perform an effective scene size-up for an ice rescue incident.

COMPETENCE:

- Identify location of the incident.
- Describe the nature of the incident (what happened): i.e., victims, witnesses, parties involved, etc.
- Identify victim(s) point last seen.
- Determine search parameters, identify search measures (passive/active).
- Identify any existing or potential hazards: ice conditions, weather, etc.
- Request additional resources and type of resources needed (PPE, watercraft, dive team, etc.)
- Establish command.

TIME: 5 minutes

2. Conduct a witness interview.

REFERENCE: NFPA 1006, 2021 edition, 20.1.1

CONDITION: Given witnesses and checklists as provided by the AHJ.

COMPETENCE:

- Identify and determine potential witnesses.
- Identify and/or describe the safe area to perform interview.
- Attempt to determine the following information at a minimum:
 - Victim point last seen (PLS)
 - Number of victims
 - Victim information (name/age/clothing/activity PFD/medication).
 - Secure witness(es) (keep on scene and/or record contact information).
 - Document valuable witness information.
- Interpret reference and/or pre-plan material and/or witness information (determine value and/or priority of information received).
- Effectively communicate valuable witness information to command.
- Evaluate support and resource requirements based on witness information as required.

TIME: 20 minutes

3. Identify type of PPE and equipment requirements for an ice rescue incident.

REFERENCE: NFPA 1006, 2021 edition, 20.1.2

CONDITION: Given an ice rescue incident, describe required types of PPE and equipment.

COMPETENCE:

- Identify and describe the type(s) of PPE and equipment used and/or potentially used in an ice rescue:
 - Ice rescue suit/dry suit with thermal protection
 - Ankle weights (ice suit only)
 - PFD type III/V
 - Whistle, knife, helmet
 - Ice picks, screws
 - Crampons/traction device
 - Swim fins
 - Throw bag, ring buoy, rescue can, rescue tube
 - Watercraft
 - Rescue boards and sling
 - Rope rescue equipment

TIME: 2 minutes

4. Recognize ice incident hazards, isolation procedures and resource capabilities and limitations.

REFERENCE: NFPA 1006, 2021 edition, 20.1.2

CONDITION: Given the graphic of the scene or an AHJ approved testing location, identify or describe **at least five** ice hazards, water conditions, features, etc., to determine isolation procedures, resource capabilities, and limitations.

COMPETENCE:

- Identify or describe **at least five** of the following:
 - Location directions
 - Map of area & features
 - General & site-specific life safety hazards (ice, land, and water)
 - Access and egress route for vehicles & equipment
 - Alternate access and egress route for vehicles & equipment
 - Shore access locations
 - Victim location
 - Potential victim hazard and/or entrapment areas
 - Number of people/bystanders
 - Weather conditions
 - Ice conditions
 - Water temperature
 - Water currents
 - Shoreline conditions
 - Man-made features: dams, docks, etc.

TIME: 5 minutes

5. Support operations or technician level responders for a given ice rescue incident.

REFERENCE: NFPA 1006, 2021 edition, 20.1.4

CONDITION: Identify and/or describe **at least five** awareness level support operations, assignments, tasks, roles, etc., to support an ice rescue operations and technician level rescue incident.

COMPETENCE:

- Identify or describe **at least five** of the following tasks/roles:
 - Rehab
 - Witness interview
 - Isolation and containment
 - Information collection and dissemination
 - Lookout/spotter
 - Equipment/tool cache assembly
 - Assist with communications
 - Decontamination and equipment inspection
 - Documentation
 - Other (support operations, assignments, tasks, roles, etc.)

TIME: 5 minutes

ICE RESCUE – AWARENESS EVOLUTION

To create a more realistic testing environment, the individual skills have been assembled into this examination evolution. Candidates must train and complete in-house skills and evolution examinations. The evolution will be graded on a 100% pass/fail basis.

REFERENCE: NFPA 1006, 2021 edition, 20.1

SKILL EXAM
EVOLUTION: Establish command, perform an appropriate scene size-up and create a corresponding Incident Action Plan for an ice rescue scenario.

CONDITION: Given a scenario of an ice rescue incident (photo optional), notepad and pencil, and graphics or AHJ approved testing location of the incident, detail the issues that should be addressed in the Incident Action Plan (using any AHJ SOPs or tactical worksheets).

SCENARIO: Your team has been called to an ice rescue incident for an unknown number of victims in the water.

COMPETENCE:

- Establish command
- Conduct a scene size-up and identify additional resources needed and limitations of the current team
- Secure and interview witnesses:
 - Identify point last seen
 - Age, gender (description)
 - Clothing
 - Swimmer/non-swimmer
 - Floatation device
- Identify location and number of victims
- Identify and mitigate immediate hazards and establish scene control
- Remove non-essential personnel and restrict entry
- Identify type of PPE required
- Conduct a risk-benefit analysis and determine rescue or recovery operation.
- Notify the appropriate response for the given situation
- Function within an incident management system, implement an Incident Action Plan, and follow ICS and AHJ operational protocol.

TIME: 10 minutes

UTAH FIRE SERVICE CERTIFICATION SYSTEM

ICE RESCUE - AWARENESS

NFPA 1006, 2021 edition
20.1.1-20.1.4

ICE RESCUE - AWARENESS TRAINING RECORD / IN-HOUSE COMPREHENSIVE FORM

Candidate Name:				Department:		
Candidate Signature:				Date of Completion:		
Chief/Training Officer:				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 and 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 OBJECTIVES & EVOLUTION
	DATE	INSTRUCTOR	DATE	INSTRUCTOR	PASS	
20.1.1						1. Conduct a scene size-up/site survey for an ice rescue incident (including search parameters, risk-benefit analysis, etc.).
20.1.1						2. Conduct a witness interview.
20.1.2						3. Identify type of PPE and equipment requirements for an ice rescue incident.
20.1.2, 20.1.3						4. Recognize ice rescue incident hazards, isolation procedures and resource capabilities and limitations.
20.1.4						5. Support operations or technician level responders for a given ice rescue incident.
Certification Examination Evolution						Establish command, perform an appropriate scene size-up and create a corresponding Incident Action Plan for an ice rescue scenario.

SECTION II
ICE RESCUE - OPERATIONS

ICE RESCUE – OPERATIONS SKILL OBJECTIVES

To complete the skills contained in this chapter, “Ice Rescue Safety Requirements” must be followed as noted in the skills ** see below:

**** (In Water) Ice Rescue Safety Requirements:**

The following minimum is required to perform ice rescue testing: three or more personnel with the roles of spotter(s), backup/rescue swimmer(s), and safety officer. AHJ approved.

If there is a live victim used, all required PPE must be worn.

The AHJ must be able to provide a safe testing environment for all candidates and accept all liability for candidate safety. The AHJ must have the capacity to provide a safe testing location for the incident.

**All testing locations must have ice sufficient for testing.*

1. Identify type of PPE and equipment requirements for an ice rescue incident.

REFERENCE: NFPA 1006, 2021 edition, 20.2.3

CONDITION: Given an ice rescue incident, describe required types of PPE and equipment.
COMPETENCE:

- Identify and describe the type(s) of PPE and equipment used and/or potentially used in an ice rescue:
 - Ice rescue suit/dry suit with thermal protection
 - Ankle weights (ice suit only)
 - PFD type III/V
 - Whistle, knife, helmet
 - Ice picks, screws
 - Crampons/traction device
 - Swim fins
 - Throw bag, ring buoy, rescue can, rescue tube
 - Watercraft
 - Rescue boards and sling
 - Rope rescue equipment

TIME: 2 minutes

2. Support technician level responders for a given ice rescue incident.

REFERENCE: NFPA 1006, 2021 edition, 20.2.1, 20.2.2

CONDITION: Identify and/or describe operations support assignments, tasks, roles, etc. to support an ice rescue operations and technician level rescue incident. Identify **at least five**.

COMPETENCE:

- Identify or describe **at least five** of the following:
 - Rehab
 - Witness interview
 - Isolation and containment
 - Information collection and dissemination

- Lookout/spotter
- Line tender
- Ice conditions
- Equipment/tool cache assembly
- Assist with communications
- Decontamination and equipment inspection
- Documentation
- Other (support operations, assignments, tasks, roles, etc.)

TIME: 5 minutes

3. Don appropriate level PPE for ice rescue operations.

REFERENCE: NFPA 1006, 2021 edition, 20.2.3

CONDITION: Given a team of two members, don appropriate level PPE for ice rescue operations.

COMPETENCE:

- Select and use task specific PPE
- Don appropriate task specific PPE:
 - Ice rescue suit/dry suit with thermal protection
 - Helmet
 - Gloves
 - Footwear
 - Crampons/traction device
 - PFD type III/V
 - Light/chem stick
 - Whistle
 - Knife
 - Throw bag
 - Other AHJ approved PPE
- Perform a safety check on self and partner

TIME: 10 minutes

4. Demonstrate the ability to deploy a throw bag.

REFERENCE: NFPA 1006, 2021 edition, 20.2.2, 20.2.4

CONDITION: Given a water rescue throw device (throw bag, ring buoy, can, tube, etc.), wearing appropriate level of PPE, perform a throw rescue.
**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Perform a “throw” rescue with a victim in the ice, using a throw bag. Remove the victim to the shore.

COMPETENCE:

- Select and use task specific PPE
- Evaluate water/ice conditions to identify safe entry points and avoid hazards
- Identify hazards directly related to specific rescue
- Communicate with victim and/or team effectively
- Make contact with the victim without compromising the ice shelf
- Implement tactics to avoid contact with panicked/aggressive victim

- Deploy a throw bag to victim in appropriate manner with proper placement
- Remove victim from water and onto the ice shelf safely
- Safely move victim back to shore and communicate medical information and/or transfer victim to EMS

TIME: 10 minutes

5. Demonstrate fundamental survival, swimming, and self-rescue skills.

REFERENCE: NFPA 1006, 2021 edition, 20.2.3

CONDITION: Given appropriate PPE and AHJ approved swimming location, safety equipment, props, water rescue swim aids as required, and floatation aids. ***Skill not performed in ice water*** (i.e., swimming pool, etc.). Rescue swimmer must be present.

**AHJ watermanship test must be completed prior to skills test.*

COMPETENCE:

- Select and use task specific PPE
- Identify hazards related to self-rescue
- Demonstrate the ability to float and swim in different water conditions utilizing appropriate PPE and/or floatation devices
- Demonstrate appropriate self-rescue techniques
- Apply water survival skills as required (basic forward stroke, backstroke, side stroke, etc.)
- Verbalize communication methods of distress to team members (voice, hand, whistle)

TIME: 10 minutes

6. Describe ice rescue hazards and conditions/features.

REFERENCE: NFPA 1006, 2021 edition, 20.2.2, 20.2.4

CONDITION: Given the graphic of the scene or an AHJ approved location, identify or describe at *least five* ice rescue hazards, water conditions, features, etc. to determine isolation procedures, resource capabilities, and limitations.

COMPETENCE:

- Identify or describe at least five (5) of the following:
 - Location directions
 - Charts, maps of area & features
 - General & site-specific life safety hazards (ice, land, and water)
 - Access and egress route for vehicles & equipment
 - Alternate access and egress route for vehicles & equipment
 - Shore access locations
 - Victim location
 - Potential victim hazard and/or entrapment areas
 - Number of people/bystanders
 - Weather conditions
 - Ice conditions

- Water temperature
- Water currents/flow
- Shoreline conditions
- Man-made features: dams, docks, etc.

TIME: 5 minutes

7. Demonstrate procedures for performing non-ice entry rescue.

REFERENCE: NFPA 1006, 2021 edition, 20.2.5

CONDITION: Given approved PPE and any AHJ approved ice rescue equipment and tools, victim in approved PPE, minimum 4-member ice rescue team.

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Perform an ice rescue with a victim in the ice, using a reach or throw device. Remove the victim to the shore.

COMPETENCE:

- Select and use task specific PPE
- Evaluate water/ice conditions to identify safe entry points and identify hazards related to the rescue
- Communicate with victim and/or team effectively
- Make contact with the victim without compromising the ice shelf
- Implement tactics to avoid contact with panicked/aggressive victim
- Utilize rescue device to retrieve victim in appropriate manner with proper placement
- Remove victim from water and onto the ice shelf safely
- Safely move victim back to shore and communicate medical information and/or transfer victim to EMS

TIME: 20 minutes

8. Demonstrate the use of basic rope systems for an ice rescue.

REFERENCE: NFPA 1006, 2021 edition, 20.2.5

CONDITION: As a member of an ice rescue team, demonstrate the use of basic rope systems in an ice rescue environment using AHJ approved rope rescue equipment and PPE (dryland – optional).

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Given an embankment or simulated slope, remove a victim/load from the water to a safe area using basic rope systems.

COMPETENCE:

- Select and use task specific PPE
- Adequately estimate anticipated load
- Ensure chosen equipment and system facilitates the efficiency of the operation
- Communicate with victim and/or team effectively
- Perform a system safety check (Visual, Physical, Load)
- Manage movement of the load effectively

- Evaluate for potential problems

TIME: 20 minutes

9. Describe procedures for terminating an ice rescue incident.

REFERENCE: NFPA 1006, 2021 edition, 20.2.6

CONDITION: Verbalize the procedures for termination of an ice rescue incident using AHJ approved policies and procedures.

COMPETENCE:

- Select and use task specific PPE
- Ensure all rescuers and victim(s) are out of the hazard area (use barrier protection techniques)
- Account for and secure all PPE and equipment
- Identify need to rehab/decontaminate any PPE, equipment, and personnel
- Ensure all documentation and records are completed (AHJ)
- Ensure potential or existing hazards are communicated
- Identify any potential need for critical incident stress management
- Perform a post-incident debriefing and analysis
- Terminate command

TIME: 10 minutes

ICE RESCUE – OPERATIONS EVOLUTION

To create a more realistic testing environment, the individual skills have been assembled into this examination evolution. Candidates must train and complete in-house skills and evolution examinations. The evolution will be graded on a 100% percent pass/fail basis.

**** (In Water) Ice Rescue Safety Requirements:**

The following minimum is required to perform ice rescue testing: three or more personnel with the roles of spotter(s), backup/rescue swimmer(s), and safety officer. AHJ approved.

If there is a live victim used, all required PPE must be worn.

The AHJ must be able to provide a safe testing environment for all candidates and accept all liability for candidate safety. The AHJ must have the capacity to provide a safe testing location for the incident.

****All testing locations must have ice sufficient for testing.***

REFERENCE: NFPA 1006, 2021 edition, 20.2

SKILL EXAM
EVOLUTION:

Working as a member of a minimum 4-6 member team, fulfill assigned team roles, including but not limited to: Incident Commander, Safety Officer, Rescue Officer, boat operator(s), lookout/spotter, haul/rigging team, and support personnel. Supplied with the appropriate equipment (PPE), following local protocols and AHJ procedures, demonstrate the ability to perform an operations ice rescue.

**The evolution exam is a team evolution but is graded individually; the whole team is not penalized if one or more members do not fulfill their required tasks. Each team member must have the knowledge/skills of each role.*

CONDITION:

Given a scenario of an ice rescue incident at an AHJ approved training location with ice. Wearing approved PPE and any AHJ approved ice rescue equipment.

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO:

Your team has been called to an ice rescue for an unknown number of victims in the water. Perform an operations level water rescue.

COMPETENCE:

- Establish command
- Conduct a scene size-up and identify additional resources needed and limitations of the current team
- Secure and interview witnesses
- Identify point last seen (PLS), location and number of victims
- Identify and mitigate immediate hazards and establish scene control
- Identify and wear required PPE
- Determine rescue method and develop Incident Action Plan
- Perform an ice rescue of a victim in a safe and appropriate manner
- Terminate the incident utilizing policies and procedures

TIME:

2 hours

UTAH FIRE SERVICE CERTIFICATION SYSTEM

ICE RESCUE - OPERATIONS

NFPA 1006, 2021 edition
20.2

ICE RESCUE - OPERATIONS TRAINING RECORD / IN-HOUSE COMPREHENSIVE FORM

Candidate Name:					Department:	
Candidate Signature:					Date of Completion:	
Chief/Training Officer:					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 and 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. The asterisks (**) below indicate that Ice Rescue Safety Requirements must be followed for that skill.						
SECTION	TRAINING RECORD		IN-HOUSE COMPREHENSIVE EXAMS			SKILL
	DATE	INSTRUCTOR	DATE	INSTRUCTOR	PASS	
20.1						<i>All ice rescue prerequisites have been met prior to ice rescue operations.</i>
20.2.3						1. Identify types of PPE, equipment requirements, and limitations for an ice rescue incident.
20.2.1, 20.2.2						2. Support technician level responders for a given ice rescue incident.
20.2.3						3. Don appropriate level PPE for ice rescue.
20.2.2, 20.2.4						4. Demonstrate the ability to deploy a throw bag. **
20.2.3						5. Demonstrate fundamental survival, swimming, and self-rescue skills.
20.2.2, 20.2.4						6. Describe ice rescue hazards and conditions/features.
20.2.5						7. Demonstrate procedures for performing non-ice entry rescue. **
20.2.5						8. Demonstrate the use of rope systems for ice rescue. **
20.2.6						9. Describe procedures for terminating an ice rescue incident.
Certification Examination Evolution						Working as a member of a minimum 4-6 member team, supplied with the appropriate equipment (PPE), following local protocols and AHJ procedures, demonstrate the ability to perform an operations ice rescue. **

SECTION III
ICE RESCUE - TECHNICIAN

ICE RESCUE – TECHNICIAN SKILLS OBJECTIVES

To complete the skills contained in this chapter, “Ice Rescue Safety Requirements” (see below) must be followed when noted in the skills (**).

**** (In Water) Ice Rescue Safety Requirements:**

The following minimum is required to perform ice rescue testing: three or more personnel with the roles of spotter(s), backup/rescue swimmer(s), and safety officer. AHJ approved.

If there is a live victim used, all required PPE must be worn.

The AHJ must be able to provide a safe testing environment for all candidates and accept all liability for candidate safety. The AHJ must have the capacity to provide a safe testing location for the incident.

***All testing locations must have ice sufficient for testing.**

Demonstrate techniques for movement on ice, without compromising the ice shelf and the ability to self-rescue.

1. Demonstrate techniques for movement on ice, without compromising the ice shelf and the ability to self-rescue.

REFERENCE: NFPA 1006, 2021 edition, 20.3.1

CONDITION: Given an AHJ approved testing location with ice, a simulated objective, and appropriate PPE. Rescue team must be in place.

**** Follow Ice Rescue Safety Requirements**

SCENARIO: Demonstrate the ability to navigate to a simulated objective/location without compromising the ice shelf and perform self-rescue.

COMPETENCE:

- Select and use task specific PPE and equipment
- Demonstrate ability to safely navigate on ice
- Demonstrate ability to enter the water, without compromising the ice shelf
- Demonstrate the ability to self-rescue from the water, onto the ice shelf
- Verbalize communication methods of distress to team members (voice, hand, whistle)

TIME: 10 minutes

2. Demonstrate fundamental survival and swimming skills.

REFERENCE: NFPA 1006, 2021 edition, 20.3.1

CONDITION: Given appropriate PPE and AHJ approved swimming location, safety equipment, props, water rescue swim aids as required, and floatation aids. **Skill not performed in ice water** (swimming pool, etc.). Rescue swimmer must be present.

**AHJ watermanship test must be completed prior to skills test.*

**** Follow Ice Rescue Safety Requirements**

COMPETENCE:

- Select and use task specific PPE and equipment
- Demonstrate the ability to float and swim in, with and without floatation or swim aids
- Apply water survival skills as required (basic forward stroke, backstroke, side stroke, etc.)
- Verbalize communication methods of distress to team members (voice, hand, whistle)

TIME: 10 minutes

3. A. Demonstrate the ability to perform an entry ice rescue – Rescue Sling only

REFERENCE: NFPA 1006, 2021 edition, 20.3.2

CONDITION: Given approved PPE and AHJ approved ice rescue equipment and tools, rescue sling, victim in approved PPE, minimum 4-member ice rescue team.

**** Follow Ice Rescue Safety Requirements**

SCENARIO: Perform a “go” rescue with a victim in the ice, using a rescue sling and rope. Remove the victim to the shore.

COMPETENCE:

- Select and use task specific PPE
- Evaluate water/ice conditions to identify safe entry points and identify hazards related to rescue
- Communicate with victim and/or team effectively
- Make contact with the victim without compromising the ice shelf
- Implement tactics to avoid contact with panicked/aggressive victim
- Apply rescue sling to victim in appropriate manner with proper placement
- Appropriately remove victim from water and onto the ice shelf safely
- Safely move victim back to shore and communicate medical information and/or transfer victim to EMS

TIME: 20 minutes

B. Demonstrate the ability to perform an entry ice rescue – Rescue Sling, with a rescue board

REFERENCE: NFPA 1006, 2021 edition, 20.3.2

CONDITION: Given approved PPE and any AHJ approved ice rescue equipment and tools, rescue sling and rescue board, victim in approved PPE, minimum 4-member ice rescue team.

**** Follow Ice Rescue Safety Requirements**

SCENARIO: Perform a “go” rescue with a victim in the ice, using a rescue sling and rope. Remove the victim to the shore.

COMPETENCE:

- Select and use task specific PPE
- Evaluate water/ice conditions to identify safe entry points and identify hazards related to rescue
- Communicate with victim and/or team effectively
- Make contact with the victim without compromising the ice shelf
- Implement tactics to avoid contact with panicked/aggressive victim
- Apply rescue sling and secure victim to the rescue board in appropriate manner with proper placement
- Appropriately remove victim from water and onto the ice shelf safely
- Safely move victim back to shore and communicate medical information and/or transfer victim to EMS

TIME: 20 minutes

C. Demonstrate the ability to perform an entry ice rescue, utilize a watercraft rescue. (Optional)

REFERENCE: NFPA 1006, 2021 edition, 20.3.2

CONDITION: Given approved PPE and any AHJ approved ice rescue equipment and tools, watercraft, rescue sling, and/or rescue board, victim in approved PPE, minimum 4-member ice rescue team.

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Perform a “go” rescue with a victim in the ice, using a watercraft, sling and/or board. Extricate the victim using appropriate water rescue techniques. Ensure the ice shelf remains intact prior to securing the victim. Safely move the victim to shore.

COMPETENCE:

- Select and use task specific PPE
- Evaluate water/ice conditions to identify safe entry points and identify hazards related to rescue
- Utilize safe boat launch and de-launch procedures
- Communicate with victim and/or team effectively
- Ensure the ice shelf remains intact prior to securing the victim
- Implement tactics to avoid contact with panicked/aggressive victim
- Apply rescue sling and/or PDF to secure victim in an appropriate manner with proper placement
- Appropriately remove victim from the water using appropriate water rescue techniques
- Safely move victim back to shore and communicate medical information and/or transfer victim to EMS

TIME: 25 minutes

D. Demonstrate the ability to perform an entry ice rescue – Animal ice rescue

REFERENCE: NFPA 1006, 2021 edition, 20.3.2

CONDITION: Given approved PPE and any AHJ approved ice rescue equipment and tools, simulated animal, minimum 4-member ice rescue team. Following AHJ policies and procedures.

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Perform a “go” rescue with a simulated animal in the ice, using approved animal rescue techniques. Remove the animal to the shore.

COMPETENCE:

- Select and use task specific PPE
 - Perform a risk-benefit analysis. Evaluate water/ice conditions to identify safe entry points and identify hazards related to rescue
 - Communicate with team effectively. Ensure animal owner is in the safe zone
 - Make contact with the animal, ensuring rescuer safety
 - Apply rescue sling and/or appropriate device to secure animal
 - Appropriately remove animal from water and onto the ice shelf safely
 - Safely move animal back to shore

TIME: 20 minutes

4. Demonstrate the ability to perform defensive tactics for a panicked or stressed victim.

REFERENCE: NFPA 1006, 2021 edition, 20.3.2

CONDITION: Given a water/ice bound simulated victim in a stressed or panicked situation. Appropriate PPE, victim wearing appropriate PPE.

**** Follow (In Water) Ice Rescue Safety Requirements**

SCENARIO: Given a simulated stressed victim, approach the victim and secure them safely.

COMPETENCE:

- Select and use task specific PPE.
- Implement tactics to avoid contact with panicked/aggressive victim (approach from rear, use defensive swimming position, etc.)
- Implement tactics to release oneself from the grasp of a panicked/aggressive victim (block, release, escape)
- Communicate with victim and/or team effectively
- Secure the victim with a sling, board, or appropriate device

TIME: 10 minutes

ICE RESCUE – TECHNICIAN EVOLUTION

To create a more realistic testing environment, the individual skills have been assembled into this examination evolution. Candidates must train and complete in-house skills and evolution examinations. The evolution will be graded on a 100% percent pass/fail basis.

**** (In Water) Ice Rescue Safety Requirements:**

The following minimum is required to perform ice rescue testing: three or more personnel with the roles of spotter(s), backup/rescue swimmer(s), and safety officer. AHJ approved.

If there is a live victim used, all required PPE must be worn.

The AHJ must be able to provide a safe testing environment for all candidates and accept all liability for candidate safety. The AHJ must have the capacity to provide a safe testing location for the incident.

****All testing locations must have ice sufficient for testing.***

REFERENCE: NFPA 1006, 2021 edition, 20.3

SKILL EXAM
EVOLUTION:

Working as a member of a minimum 4-6 member team, fulfill assigned team roles, including but not limited to: Incident Commander, Safety Officer, Rescue Officer, boat operator(s), lookout/spotter, haul/rigging team, and support personnel. Supplied with the appropriate equipment (PPE), following local protocols and AHJ procedures, demonstrate the ability to perform an operations ice rescue.

**The evolution exam is a team evolution but is graded individually; the whole team is not penalized if one or more members do not fulfill their required tasks. Each team member must have the knowledge/skills of each role.*

**** Follow (In Water) Ice Rescue Safety Requirements**

CONDITION:

Given a scenario of an ice rescue incident at an AHJ approved training location with ice. Wearing approved PPE and any AHJ approved ice rescue equipment.

SCENARIO:

Your team has been called to an ice rescue for an unknown number of victim(s) in the water. Perform a technician level ice rescue.

COMPETENCE:

- Establish command
- Conduct a scene size-up and identify additional resources needed and limitations of the current team
- Secure and interview witnesses
- Identify point last seen (PLS), location and number of victims
- Identify and mitigate immediate hazards and establish scene control
- Identify and wear required PPE
- Determine rescue method and develop Incident Action Plan

- Perform a “go” ice rescue of a victim in a safe and appropriate manner
- Terminate the incident utilizing policies and procedures

TIME:

2 hours

UTAH FIRE SERVICE CERTIFICATION SYSTEM

ICE RESCUE - TECHNICIAN

NFPA 1006, 2021 edition
20.3

ICE RESCUE - TECHNICIAN TRAINING RECORD / IN-HOUSE COMPREHENSIVE FORM

Candidate Name:				Department:		
Candidate Signature:				Date of Completion:		
Chief/Training Officer:				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 and 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. The asterisks (**) below indicate that Ice Rescue Safety Requirements must be followed for that skill.						
SECTION	TRAINING RECORD		IN-HOUSE COMPREHENSIVE EXAMS			SKILL OBJECTIVES & EVOLUTION
	DATE	INSTRUCTOR	DATE	INSTRUCTOR	PASS	
20.2						<i>All ice rescue prerequisites have been met prior to ice rescue technician.</i>
20.3.1						1. Demonstrate techniques for movement on ice, without compromising the ice shelf and the ability to self-rescue.
20.3.1						2. Demonstrate fundamental survival and swimming skills.
20.3.2						3. Demonstrate the ability to perform an entry ice rescue. a. Rescue sling only b. Rescue sling with rescue board c. Utilize watercraft rescue (optional) d. Animal ice rescue
20.3.2						4. Demonstrate the ability to perform defensive tactics for a panicked or stressed victim.
Certification Examination Evolution						Working as a member of a minimum 4-6 member team, supplied with the appropriate equipment (PPE), following local protocols and AHJ procedures, demonstrate the ability to perform a technician level ice rescue.

APPENDIX A
ICE RESCUE PHOTOS

Ice Rescue Photo example

The arrows indicates rescue location.



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 & 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