WISCONSIN
TECHNICAL COLLEGE
SYSTEM

Fire Fighter II
Certification Preparation Guide
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Acknowledgement

The Wisconsin Technical College System (WTCS) gratefully acknowledges the assistance of many dedicated fire service personnel during both the development and the administration of the WTCS Fire Service Education Office (FSEO) Certification Program. It would be impossible to individually recognize each and every person who has helped to make the program the resounding success that it is.

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Foreword

On May 23, 1978, the Wisconsin Board of Vocational, Technical and Adult Education (WBVTAE), since renamed the Wisconsin Technical College System Board (WTCSB), approved the provision of certification to the Wisconsin fire service. The WTCSB also adopted the Professional Qualifications for the Fire Service, National Fire Protection Association (NFPA) 1000 Series Standards, and any future standards of the series as those, which shall be used for identifying training course content for the certification of Wisconsin fire service personnel.

Fire service certification in the state of Wisconsin is not mandated by the WTCSB or any other state agency. Certification is rather an endeavor to be undertaken voluntarily by individuals or by collective members of fire departments. Those who aspire to Wisconsin Fire Service Certification, however, must satisfy the program requirements, which are based on the appropriate NFPA Standards, and be tested for competency.

Certification is not necessarily a means of determining who may participate in the vocation or avocation of firefighting, but is rather a symbol of dedication and commitment by the certified individual. Certification also provides documentation that the individual has demonstrated a high level of proficiency established through national consensus.

The WTCS Fire Service Education Office (FSEO) is ready and able to assist motivated individuals and/or fire departments in achieving their training and certification goals.

Assistance in Preparing for Certification

The WTCS FSEO publishes a *Policy and Procedures Manual* which lists each category and level of certification offered. This manual contains pertinent information designed to assist candidates in preparing for the certification process. *FSEO Policy and Procedures Manual* may be obtained from the WTCS web page:

https://mywtcs.wtcsystem.edu/fire-service/fire-certification/policy-and-procedures

Entrance into the Wisconsin Fire Service Certification System

Qualified individuals may enter the certification system by contacting any of the institutions of the WTCS. Upon receipt of a request, appropriate information and application materials for any of the certification categories/levels available will be forwarded. A listing of WTCS institutions and their respective fire service coordinators/supervisors can be accessed from the WTCSB web page.

Self-Study Element

Some requirements of the NFPA standards cannot be adequately or fairly tested on the practical examination without completion of a self-study element. Such “homework” must be completed beforehand and candidates must bring the assignment(s) to the practical examination. Due to the random selection of the skills tested, candidates may or may not be required to use the self-study assignment during the examination.

Written Examination Element

Approved candidates will be allowed to write the state certification examination for the category and/or level chosen. The written examination will consist of 100 questions with a 90-minute time limit. Multiple choice and true/false questions can be expected. If the candidates successfully achieve a minimum score of 70 percent on the written examination, they will advance to the practical skills examination element of the process. Candidates who received their preparatory training through the state-approved training program and who fail their initial attempt at the written examination will be allowed up to 2 retests. If still unsuccessful after their second retest, these candidates are required to re-enroll in and complete the approved training program before being allowed to again write the examination. A variety of exams will be used to insure that no candidate is allowed to take the same exam more than once. Each exam will be based on the NFPA standard, current edition, and constructed from a bank of questions maintained by WTCS FSEO.

Individuals may be granted "Advanced Standing" through recognition of equivalent training from another state or agency. Individuals granted Advanced Standing will be allowed a one-time challenge of both the written and practical examinations for the requested certification level(s). A final score of 70 percent or greater satisfies the written examination element and all practical exams are graded on a pass/fail basis. Successful completion of both elements shall result in issuance of the certification by the WTCS FSEO. If an individual fails either the written or practical exam, they will then need to complete the appropriate certification course in order to be eligible for entry into the certification process.

Practical Skills Examination Element

Candidates who have passed the written examination element will be assigned to a practical skills examination at an approved WTCS test site on a date of their choosing (pending availability of openings). All candidates are required to pay the standardized statewide practical skills examination fee of $80.00 (payable to the assigned WTCS test site).

Candidates will be responsible for all skills required by the appropriate NFPA standard, and must be prepared to perform any of the skills contained within the examination structure (a summary of the practical skills test stations is included in this document. Due to the large number of skills required by the standard, however, all skills cannot possibly be tested in a given examination. Rather, a number or series of skills will be selected for each exam through a random process. Skills to be tested will be selected to prevent prior knowledge by the candidates. The intent of this process is to insure that candidates are prepared to test on all of the skills required by the standard. Each candidate must perform a total of 6 evolutions contained within the Fire Fighter II examination structure, either individually or as a member of a team.

Practical examinations are graded on a 100 percent pass/fail basis. Throughout the design of the evaluation checklists, critical components of the skills will be strictly evaluated. "Non-fatal" components and many "local issue" components that vary from fire department to fire department will not be critically evaluated during the examination.

Candidates must successfully complete all skills stations of an examination to receive a passing grade. Candidates who fail up to 2 stations may retest on the same day at no additional cost. Such retests will be conducted only after all other candidates have completed their examinations. If, after retesting, the candidates fail the station(s) again, they must retake the entire examination at a later date. Candidates who fail 3 or more stations on their initial examination attempt must retake the entire examination at a later date as well. This requirement is necessitated by the random examination skills selection process. Such retakes also require payment of another examination fee.

Examination Results

Candidates will be notified of certification examination results upon examination completion.

Certification

Upon successful completion of all elements of the certification process, the candidate's name will be entered into the WTCS FST Certification database. Individuals will also receive, at no additional cost, an individualized certificate from the WTCS FSEO.

Denial and Revocation of Certification

Fire Service certifications may be denied or revoked if an individual knowingly submits false information, cheats during class or an examination, fails to meet the certification criteria, engages in improper or criminal conduct or other actions that undermine the integrity of the Fire Service Education Office program(s).

Appeal Process

If certification is denied or revoked, the individual is entitled to due process, including appeal and hearing. The entire appeal process is listed in the WTCS FSEO Certification Policy and Procedures Manual.

Wisconsin Fire Service Certification Program
Practical Skills Element - Facial Hair/SCBA Issue

An excerpt from WTCSB *Administrative Bulletin 99-16*, issued January 21, 2000, states the following:

- In any fire training course where instruction includes the use of a self-contained breathing apparatus (SCBA), the district may enroll and shall provide a plan of instruction to accommodate students with a condition that interferes with the facepiece seal.
- Students who are unable to meet all requirements of the SCBA portion of CERTIFIED FIRE FIGHTER courses will not be eligible for "state certification," however, they will receive a technical college certificate for participation in the fire training course.

National Fire Protection Association (NFPA) 1500, *Standard on Fire Department Occupational Safety and Health Program*, 2013 Edition, states, "members who have a beard or facial hair at any point where the SCBA facepiece is designed to seal with the face, or hair that could interfere

with the operation of the unit, shall not be permitted to use respiratory protection at emergency incidents or in hazardous or potentially hazardous atmospheres. These restrictions shall apply regardless of the specific fit test measurement that can be obtained under test conditions."

Wisconsin Administrative Code, Department of Safety and Professional Service SPS 330, *Fire Department Safety and Health* states, "SPS 330.12, self-contained breathing apparatus. A fire fighter may not wear a beard or facial hair that comes in contact with a facepiece seal if the fire fighter's duties require him or her to use a self-contained breathing apparatus."

Administrative Bulletin AB 99-16 addresses the facial hair/SCBA issue during the training phase only. It is the policy of the WTCS, FST that the facial hair requirements of NFPA Standard 1500 and SPS 330 shall be followed in certification practical skills examinations which contain a SCBA use requirement. As such, individuals who report for examinations with a beard or facial hair that interferes with SCBA facepiece seal shall not be allowed to participate in the examination.

FIRE FIGHTER II CERTIFICATION PREPARATION GUIDE

This document is provided to assist candidates as they ready themselves to enter the WTCS FST Fire Fighter II Certification Process.

The NFPA 1001, *Standard for Fire Fighter Professional Qualifications*, current edition, Fire Fighter II JPRs are listed in the left column. The right column contains information that will help candidates identify study resources or other notes on how to prepare for the examination elements.

The primary reference materials for meeting certification requirements, and upon which the test bank questions are validated and correlated to are the International Fire Service Training Association (IFSTA) *Essentials of Fire Fighting and Fire Department Operations (Brady) 6th Edition* (hereinafter referred to as IFSTA) and the Jones and Bartlett, *Fundamentals of Fire Fighter Skills, 3rd Edition* (hereinafter referred to as J&B). These textbooks however, may not address many items in-depth. Additional reference materials candidates should consider include:

- Emergency Response Guidebook, current edition, U. S. Department of Transportation
- Standard on Fire Fighter Professional Qualifications, NFPA 1001, 2013 Edition, National Fire Protection Association.
- Principles of Vehicle Extrication, 2nd Edition, IFSTA, 2000

Self-Study, Written, and Practical Skills Requirements and Study Hints

NFPA 1001, Fire Fighter II, current edition

JPR's	Chapter(s)	Page(s)
6.1 General. For qualification at Level II, the Fire Fighter I shall meet the general knowledge requirements in 6.1.1, the general skill requirements in 6.1.2, the JPRs defined in Sections 6.2 through 6.5 of this standard, and the requirements defined in Chapter 5.		
6.1.1 General Knowledge Requirements. Responsibilities of the Fire Fighter II in assuming and transferring command within an incident management system, performing assigned duties in conformance with applicable NFPA and other safety regulations and AHJ procedures, and the role of a Fire Fighter II within the organization.	IFSTA - 1, 17 J&B - 1, 5	26-33, 1057-1068, 1098 6, 119-134
6.1.2 General Skill Requirements. The ability to determine the need for command, organize and coordinate an incident management system until command is transferred, and function within an assigned role in an incident management system.	IFSTA – 17 J&B - 5	1057-1068, 1098 130-134
6.2 Fire Department Communications. This duty shall involve performing activities related to initiating and reporting responses, according to the JPRs in 6.2.1 and 6.2.2.		
6.2.1 Complete a basic incident report, given the report forms, guidelines, and information, so that all pertinent information is recorded, the information is accurate, and the report is complete. **(A) Requisite Knowledge**. Content requirements for basic incident reports, the purpose and usefulness of accurate reports, consequences of inaccurate reports, how to obtain necessary information, and required coding procedures. **(B) Requisite Skills**. The ability to determine necessary codes, proof reports, and operate fire department computers or other equipment necessary to complete reports.	IFSTA - 3 J&B - 4	121-123, 128 109-110

JPR's	Chapter(s)	Page(s)
6.2.2 Communicate the need for team assistance, given fire department communications equipment, SOPs, and a team, so that the supervisor is consistently informed of team needs, departmental SOPs are followed, and the assignment is accomplished safely. **(A) Requisite Knowledge**. SOPs for alarm assignments and fire department radio communication procedures. **(B) Requisite Skills**. The ability to operate fire department communications equipment.	IFSTA - 3 J&B - 4	116-121 107-110
6.3 Fireground Operations. This duty shall involve performing activities necessary to ensure life safety, fire control, and property conservation, according to the JPRs in 6.3.1 through 6.3.4.		
6.3.1 Extinguish an ignitable liquid fire, operating as a member of a team, given an assignment, an attack line, personal protective equipment, a foam proportioning device, a nozzle, foam concentrates, and a water supply, so that the correct type of foam concentrate is selected for the given fuel and conditions, a properly proportioned foam stream is applied to the surface of the fuel to create and maintain a foam blanket, fire is extinguished, reignition is prevented, team protection is maintained with a foam stream, and the hazard is faced until retreat to safe haven is reached. **(A) Requisite Knowledge**. Methods by which foam prevents or controls a hazard; principles by which foam is generated; causes for poor foam generation and corrective measures; difference between hydrocarbon and polar solvent fuels and the concentrates that work on each; the characteristics, uses, and limitations of fire-fighting foams; the advantages and disadvantages of using fog nozzles versus foam nozzles for foam application; foam stream application techniques; hazards associated with foam usage; and methods to reduce or avoid hazards. **(B) Requisite Skills**. The ability to prepare a foam concentrate supply for use, assemble foam stream components, master various foam application techniques, and approach and retreat from spills as part of a coordinated team.	IFSTA - 16, 17 J&B - 17	967-986, 993-998, 1068-1076 573-578

JPR's	Chapter(s)	Page(s)
6.3.2 Coordinate an interior attack line for a team's accomplishment of an assignment in a structure fire, given attack lines, personnel, personal protective equipment, and tools, so that crew integrity is established; attack techniques are selected for the given level of the fire (e.g., attic, grade level, upper levels, or basement); attack techniques are communicated to the attack teams; constant team coordination is maintained; fire growth and development is continuously evaluated; search, rescue, and ventilation requirements are communicated or managed; hazards are reported to the attack teams; and incident command is apprised of changing conditions. **(A) Requisite Knowledge**. Selection of the nozzle and hose for fire attack, given different fire situations; selection of adapters and appliances to be used for specific fireground situations; dangerous building conditions created by fire and fire suppression activities; indicators of building collapse; the effects of fire and fire suppression activities on wood, masonry (brick, block, stone), cast iron, steel, reinforced concrete, gypsum wallboard, glass, and plaster on lath; search and rescue and ventilation procedures; indicators of structural instability; suppression approaches and practices for various types of structural fires; and the association between specific tools and special forcible entry needs. **(B) Requisite Skills**. The ability to assemble a team, choose attack techniques for various levels of a fire (e.g., attic, grade level, upper levels, or basement), evaluate and forecast a fire's growth and development, select tools for forcible entry, incorporate search and rescue procedures and ventilation procedures in the completion of the attack team efforts, and determine developing hazardous building or fire conditions.	IFSTA - 4, 16, 17 J&B - 15, 22	190-201, 978-986, 993-994, 1057-1073, 1098 449, 463, 681-684, 690-693

JPR's	Chapter(s)	Page(s)
6.3.3 Control a flammable gas cylinder fire, operating as a member of a team, given an assignment, a cylinder outside of a structure, an attack line, personal protective equipment, and tools, so that crew integrity is maintained, contents are identified, safe havens are identified prior to advancing, open valves are closed, flames are not extinguished unless the leaking gas is eliminated, the cylinder is cooled, cylinder integrity is evaluated, hazardous conditions are recognized and acted upon, and the cylinder is faced during approach and retreat. **(A) Requisite Knowledge**. Characteristics of pressurized flammable gases, elements of a gas cylinder, effects of heat and pressure on closed cylinders, boiling liquid expanding vapor explosion (BLEVE) signs and effects, methods for identifying contents, how to identify safe havens before approaching flammable gas cylinder fires, water stream usage and demands for pressurized cylinder fires, what to do if the fire is prematurely extinguished, valve types and their operation, alternative actions related to various hazards, and when to retreat. **(B) Requisite Skills**. The ability to execute effective advances and retreats, apply various techniques for water application, assess cylinder integrity and changing cylinder conditions, operate control valves, and choose effective procedures when conditions change.	IFSTA – 17 J&B - 22	1068-1076, 1099 699-701
6.3.4 Protect evidence of fire cause and origin, given a flashlight and overhaul tools, so that the evidence is noted and protected from further disturbance until investigators can arrive on the scene. **(A) Requisite Knowledge**. Methods to assess origin and cause; types of evidence; means to protect various types of evidence; the role and relationship of Fire Fighter IIs, criminal investigators, and insurance investigators in fire investigations; and the effects and problems associated with removing property or evidence from the scene. **(B) Requisite Skills**. The ability to locate the fire's origin area, recognize possible causes, and protect the evidence.	IFSTA - 19 J&B - 38	1165-1173 1073-1076, 1083-1084
6.4 Rescue Operations. This duty shall involve performing activities related to accessing and disentangling victims from motor vehicle accidents and helping special rescue teams, according to the JPRs in 6.4.1 and 6.4.2.		

JPR's	Chapter(s)	Page(s)
6.4.1 Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, so that the vehicle is stabilized, the victim is disentangled without further injury, and hazards are managed. **(A) Requisite Knowledge**. The fire department's role at a vehicle accident, points of strength and weakness in auto body construction, dangers associated with vehicle components and systems, the uses and limitations of hand and power extrication equipment, and safety procedures when using various types of extrication equipment. **(B) Requisite Skills**. The ability to operate hand and power tools used for forcible entry and rescue as designed; use cribbing and shoring material; and choose and apply appropriate techniques for moving or removing vehicle roofs, doors, windshields, windows, steering wheels or columns, and the dashboard.	IFSTA - 10 J&B - 26, 27	486-531, 553-568 811-834, 847, 850
6.4.2 Assist rescue operation teams, given standard operating procedures, necessary rescue equipment, and an assignment, so that procedures are followed, rescue items are recognized and retrieved in the time as prescribed by the AHJ, and the assignment is completed. **(A) Requisite Knowledge**. The fire fighter's role at a technical rescue operation, the hazards associated with technical rescue operations, types and uses for rescue tools, and rescue practices and goals. **(B) Requisite Skills**. The ability to identify and retrieve various types of rescue tools, establish public barriers, and assist rescue teams as a member of the team when assigned.	IFSTA – 10 J&B - 9, 10, 27	484-504, 531-550 250, 265-268, 841-860
6.5 Fire and Life Safety Initiatives, Preparedness, and Maintenance. This duty shall involve performing activities related to reducing the loss of life and property due to fire through hazard identification, inspection, and response readiness, according to the JPRs in 6.5.1 through 6.5.5.		

JPR's	Chapter(s)	Page(s)
6.5.1 Perform a fire safety survey in a private dwelling, given survey forms and procedures, so that fire and life safety hazards are identified, recommendations for their correction are made to the occupant, and unresolved issues are referred to the proper authority. **(A) Requisite Knowledge**. Organizational policy and procedures, common causes of fire and their prevention, the importance of a fire safety survey and public fire education programs to fire department public relations and the community, and referral procedures. **(B) Requisite Skills**. The ability to complete forms, recognize hazards, match findings to preapproved recommendations, and effectively communicate findings to occupants or referrals.	IFSTA – 21 J&B - 23, 36	1240-1245, 1251-1266 710-711, 1015-1026
6.5.2 Present fire safety information to station visitors or small groups, given prepared materials, so that all information is presented, the information is accurate, and questions are answered or referred. **(A) Requisite Knowledge**. Parts of informational materials and how to use them, basic presentation skills, and departmental standard operating procedures for giving fire station tours. **(B) Requisite Skills**. The ability to document presentations and to use prepared materials.	IFSTA – 21 J&B - 36	1246-1256, 1263-1264 1014, 1017-1028
6.5.3 Prepare a preincident survey, given forms, necessary tools, and an assignment, so that all required occupancy information is recorded, items of concern are noted, and accurate sketches or diagrams are prepared. **(A) Requisite Knowledge**. The sources of water supply for fire protection; the fundamentals of fire suppression and detection systems; common symbols used in diagramming construction features, utilities, hazards, and fire protection systems; departmental requirements for a preincident survey and form completion; and the importance of accurate diagrams. **(B) Requisite Skills**. The ability to identify the components of fire suppression and detection systems; sketch the site, buildings, and special features; detect hazards and special considerations to include in the preincident sketch; and complete all related departmental forms.	IFSTA - 20, 21 J&B - 23, 27	1178-1216, 1256-1266 711-713, 717-725, 1034-1064

JPR's	Chapter(s)	Page(s)
6.5.4 Maintain power plants, power tools, and lighting equipment, given tools and manufacturers' instructions, so that equipment is clean and maintained according to manufacturer and departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise. **(A) Requisite Knowledge**. Types of cleaning methods, correct use of cleaning solvents, manufacturer and departmental guidelines for maintaining equipment and its documentation, and problem-reporting practices. **(B) Requisite Skills**. The ability to select correct tools; follow guidelines; complete recording and reporting procedures; and operate power plants, power tools, and lighting equipment.	IFSTA – 10 J&B - 9, 19	484-504, 551-552 262-253, 525, 615
6.5.5 Perform an annual service test on fire hose, given a pump, a marking device, pressure gauges, a timer, record sheets, and related equipment, so that procedures are followed, the condition of the hose is evaluated, any damaged hose is removed from service, and the results are recorded. **(A) Requisite Knowledge**. Procedures for safely conducting hose service testing, indicators that dictate any hose be removed from service, and recording procedures for hose test results. **(B) Requisite Skills**. The ability to operate hose testing equipment and nozzles and to record results.	IFSTA – 15 J&B - 16	812-873, 938-939 513-514

Samples of Questions Used in the Written Examination Element

Rescue Operations

1. At a vehicle accident, stabilizing the vehicle with cribbing should be done?
   A. Only if air bags are used.
   B. Only if the vehicle is on its side.
   C. If there is imminent danger of fire.
   D. In order to prevent harm to the victim and rescuers.
   E. None of the above.

Rescue Operations

2. Which of the following is NOT a source of power for pneumatic tools?
   A. Air compressor.
   B. SCBA cylinder.
   C. Oxygen tanks
   D. Portable cascade systems.

General Knowledge Requirements

3. A concept of the incident command system that describes the number of units (persons, functions, etc.) that one individual is able to manage effectively at one time is known as:
   A. Unity of command.
   B. Functional responsibility.
   C. Span of control.
   D. Modular expansion.

Prevention Preparedness and Maintenance

4. Pre-incident planning does NOT include:
   A. Gathering information about the facility.
   B. Issuing citations for code violations.
   C. Developing procedures for emergency responders.
   D. Maintaining information resource systems.

Prevention Preparedness And Maintenance

5. Which of the following statements is incorrect?
   A. Bleeding the air out of hose is important only for testing large diameter hose.
   B. A hose test gate valve will prevent water from surging if a line bursts.
   C. Hoses should be thoroughly inspected prior to pressure testing.
   D. Personnel should wear protective equipment in the hose testing area.

Summary of Practical Skills Test Stations

Fireground Operations

Test 1 Coordinate a Team Interior Structural Fire Attack **Team Test**

Test 1A – Basement Level Fire
Test 1B – Grade Level Fire
Test 1C – Upper Level Fire
Test 1D – Attic Area Fire

TEST 2 Investigation and Incident Report Tasks **Individual Test**

Part A - Cause and Origin based on Test 1
Part B - Protection of Evidence based on Test 1
Part C - Incident Reports Information based on Test 1

TEST 3 Ignitable Liquid or Flammable Gas Fires **Team Test**

Test 3A – Extinguish an Ignitable Liquid Fire
Test 3B – Control a Flammable Gas Cylinder Fire

Rescue Operations – Test 4

TEST 4A Extrication **Team Test**

Perform Scene Size-up, Perform assigned radio reports to dispatch.
Direct team actions to protect the patient.
Direct team actions to stabilize the vehicle.

4A.1 Remove windows and windshields
4A.2 Flap the roof
4A.3 Remove the roof
4A.4 Remove a door
4A.5 Dash push or displacement
4A.6 Lifting a vehicle with airbags

TEST 4B Rescue Assistance **Individual Test**

The team will demonstrate/explain their abilities/duties to assist rescue operation teams when given operating procedures, necessary rescue equipment, and an assignment. Rescue items are to be recognized and retrieved in a timely manner and the assignment is to be completed.

Prevention, Preparedness, and Maintenance

TEST 5 Portfolio of Fire Prevention Assignments **Individual Test**

Part A Home safety survey
Part B Fire safety presentation
Part C Pre-incident survey
Part D NFIRS Incident Report
Part E Equipment Maintenance Checklist

TEST 6 Maintenance or Power Equipment

Test 6A – Maintain Power Equipment **Individual Test**
Test 6B – Perform Annual Hose Service Test **Team Test**

Candidates are responsible for providing proper functional PPE and SCBA.

General Test Information

The test evolutions are based on the ***NFPA 1001, Job Performance Requirements (JPR's)***.

Each candidate will perform a total of 6 of the possible evolutions (one from each of the six major areas). The tests will be selected randomly either by the state or by the evaluator. Candidates must be prepared to perform any of the skills listed. The assignment of each team member during the evolution is randomly selected at the time of the test and cannot be changed. Non-compliance can be grounds for team failure of the entire examination.

The test site will be assigned ***one*** of the tests (i.e. 3a or 3b) by the WTCS state office. Within the test selected by the state, evaluators will randomly select ***one*** of the evolutions or skills to be performed either by individuals or as a team.

Test time is the time to accomplish the primary task. Total station time includes replacing tools and equipment. Test times are closely estimated and may vary slightly from site to site. Test evolutions include properly breaking down equipment and replacing to the starting point.

Candidates are responsible for providing proper and functional PPE and SCBA. The Firefighter II Practical Skills Examination is physically demanding and the candidate is responsible for their own physical fitness and ability to perform the skills required.

Each candidate on the team will be tested for their radio communication skills over the course of the test by giving situation update reports, progress reports, or assignment complete reports. In the context of this test, a situation update report should not be confused with a first-in report, which is typically given from the cab of an arriving piece of apparatus. The candidate will do a scene size-up, usually by doing a 360º walk-around, and then give command or dispatch a report on a handheld radio.

Candidates waiting to test should be separated from the test stations. While a central staging/rehab area may be appropriate, there should be teams of candidates in nearby designated waiting areas (approximately 100 feet away) to keep the test flowing. Waiting areas should be clearly apparent (cones or signs). If reasonably possible, the waiting area should be out of view of the test. Candidate teams should not be discussing with or coaching other teams about the testing stations between tests. On deck teams should be readying themselves for the test.

Grading Schedule

The following criteria will be used to evaluate and determine the pass/fail status of a candidate. Each item in the Performance Test Checklist is given a rating.

Critical (C) – This rating has been assigned to items, which, if omitted or performed incorrectly, would result in severe injury to, or death of, an individual. Should a fire fighter fail to perform any ONE item rated as Critical **(C)**, the fire fighter would be unsuccessful in demonstrating the required proficiency level for that standard.

Major (M) – This rating refers to any item that is very important to the general safety of personnel and the successful completion of the evolution. Should a fire fighter fail to perform

any TWO items rated as Major **(M)**, the fire fighter would be unsuccessful in demonstrating the required proficiency level for that standard.

General – This rating although there is not symbol, has been given to all remaining items that in combination are relevant to the successful completion of the evolution. Should a fire fighter fail to perform any THREE items rated as General, the fire fighter would be unsuccessful in demonstrating the required proficiency level for that standard.

Should a fire fighter fail to perform any combination of Major or General rated items resulting in a sum total of **THREE**, the fire fighter would be unsuccessful in demonstrating the required proficiency level for that standard.

TEST 1-Team-Coordinate a Team Interior Structural Fire Attack-Fireground Operations

Description:

Working as a team, the candidates will perform an interior structural fire attack based on the scenario information provided by the evaluator. The team will advance a charged hose line into a structure to attack a fire for one of the scenarios randomly selected for the test. Candidates will take assigned positions on the attack line and coordinate the appropriate activities to accomplish the fire attack based on the structure level. Communication with command (an evaluator) should be maintained as required to provide a situation update report, emergency situation report, and an assignment complete report upon exiting the building. The evaluators will prompt the candidate through the evolution steps.

Procedures:

- The evaluator will randomly select one of the listed fire scenarios and provide that information to the team (possible fire location and possible fire cause)
- Prior to entry into the building ____ will do a scene size-up and provide a situation update radio report to the incident commander (the Exterior Evaluator).
- Candidates ____ and ____ will advance the line to the entry door, call for water.
- Working as a team, all three candidates will perform an interior structural fire attack.
- During the interior fire attack operation the interior evaluator will stop the incident and give the team an emergency situation scenario from the list provided.
- Candidate ____ will use the handheld radio to communicate the emergency situation information to the incident commander.
- The evaluator will direct the team resume the fire attack.
- Upon completion of the fire attack the team will safely back the line out of the building.
- Candidate ____ will provide an assignment complete situation report to the incident commander via handheld radio.
- Retesting for communication skills is an individual test.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.1.2, 6.2.2, 6.3.2
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidate

As a TEAM you have been dispatched to attack a fire on the (***Level***) of this structure. The homeowner reports the fire maybe located (***Location***) and may have been caused by (***Possible Cause***) Based on your assigned positions on the hose line you are to coordinate your activities among yourselves and command via handheld radio. Prior to entry into the building ____ will do a 360º exterior scene size-up and radio a situation update report to the incident commander (the exterior evaluator). ____ and ____ should advance the line to the entry door and call for water. All three team members will perform the fire attack. During the interior fire attack operation the interior evaluator will stop the incident and give you an emergency situation scenario. Candidate ____ will use the handheld radio to communicate the information to the Incident Commander regarding this problem. The evaluators will then direct the TEAM to resume the fire attack. Upon completion of the fire attack safely back the line out of the building. At this point Candidate ____ will provide an assignment complete situation report to the incident commander via handheld radio. You have 15 minutes to complete this station.

Randomly Selected Test Scenarios:

Test	Level	Location	Possible Cause	Emergency
1A	Basement	Laundry Room	Dryer Fire	Firefighter Down
1B	Grade Level	Kitchen	Stove / Cooking Fire	Firefighter Missing
1C	Upper level	Bedroom	Bed / Electric Blanket	Firefighter Trapped
1D	Attic Area	Attic	Lightning Strike	Potential for collapse

Note: Some of this information will be used in Test 2

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a member of a team, extinguish a fire below grade or other location from above. **NOTE:** Evaluator will conduct a safety brief as well as introduce scenario prior to exercise/evaluation	1. **(M)** Upon arrival, candidate conducts size up as well as establishes incident command (vocalizes this to alarm center)			
	2. Assistant Chief (A/C) vehicle is on scene (lead evaluator) and candidate briefs A/C of conditions and then transfers command to Assistant Chief (vocalized to alarm center)			
	3. Throughout exercise (dependent on scenario), candidate addresses Incident Commander (lead evaluator) for additional assistance to perform a rescue, ventilation, or other necessities. **(only if dictated by evaluator briefing)**			
	4. **(M)** Fire team assembles on ground floor prior to entering building with appropriate equipment, and properly wearing protective equipment including SCBA			

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	5. **(M)** Candidate reports to Incident Commander (lead evaluator) personnel accountability as team enters the facility			
	6. Position hose line and test			
	7. **(C)** Don SCBA face piece and go on air			
	8. Check door for heat			
	9. **(C)** Sound Floor before entry			
	10. Descend stairs when ventilation starts			
	11. Descend stairs quickly using a wide angle fog pattern (candidate reports to IC status). When team reaches bottom of stairs, search for fire			
	12. Constantly observing weakened floor above			
	13. **(C)**Team integrity is maintained through visual, verbal, or physical contact throughout skill test			
	14. Team fights fire using a direct, indirect, or combination attack prescribed by evaluator. (T, Z, and O patterns will also be determined by evaluator)			
	15. **(M)** Team extinguishes fire (candidate reports to Incident Commander status)			
	16. Candidate notifies the Incident Commander when salvage and overhaul complete			
	17. **(M) When prompted with an emergency, team demonstrates the use of Mayday radio traffic and steps to take to exit the building**			
	18. **(M)** Candidate notifies the Incident Commander when team is out of the building (accountability)			
	19. **(C)** Completed task within listed time limits with no safety violations			

TEST 1B, 1C, 1D-Team-Coordinate a Team Interior Structural Fire Attack-Fireground Operations

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a member of a team, extinguish a fire at grade level. **NOTE:** Evaluator will conduct a safety brief as well as introduce scenario prior to exercise/evaluation	1. **(M)** Upon arrival, candidate conducts size up as well as establishes incident command (vocalizes this to alarm center)			
	2. Assistant Chief (A/C) vehicle is on scene (lead evaluator) and candidate briefs A/C of conditions and then transfers command to Assistant Chief (vocalized to alarm center)			
	3. Throughout exercise (dependent on scenario), candidate addresses Incident Commander (lead evaluator) for additional assistance to perform a rescue, ventilation, or other necessities. **(only if dictated by evaluator briefing)**			
	4. **(M)** Fire team assembles on ground floor prior to entering building with appropriate equipment, and properly wearing protective equipment including SCBA			
	5. **(M)** Candidate reports to Incident Commander (lead evaluator) personnel accountability as going into facility			
	6. Position hose line and test			
	7. Check door for heat			
	8. **(C)** Sound floor before entry			
	9. **(C)** Team dons SCBA face pieces, opens door, and advances with hose line to the fire area (candidate reports to Incident Commander status)			
	10. **Team fights fire using a direct, indirect, or combination attack prescribed by evaluator. (T, Z, and O patterns will also be determined by evaluator)**			
	11. **(C)**Team integrity is maintained through visual, verbal, or physical contact throughout skill test			
	12. **(M)** Team extinguishes fire (candidate reports to Incident Commander status)			

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	13. **(M) When given an emergency situation, team demonstrates the use of Mayday radio traffic and steps to take to exit the building**			
	14. Candidate notifies the Incident Commander when salvage and overhaul complete			
	15. **(M)** Candidate notifies the Incident Commander when team is out of the building (accountability)			
	16. **(C) Completed task within listed time limits with no safety violations**			

TEST 2-Individual-Investigation and Incident Report Tasks-Fireground Operations

Description:

In Test 1 the candidates worked as a team to perform an interior structural fire attack. For Test 2 the evaluator will ask the candidates questions regarding gathering information relative to determining the origin and cause of the fire, protection of fire cause evidence, and incident reporting. The evaluator should question each member of the team separately and individually. The evaluator will ask each candidate one (1) question regarding determining origin and cause of the fire, one (1) question regarding protecting evidence of fire cause, and one (1) question regarding incident reports. The questions should come from the list provided for the test. Evaluators may ask additional questions to clarify a response, however, should refrain from questioning the candidate beyond the intent of the test.

Procedures:

- Determine the scenario used in Test 1 (Building level, location, and possible cause)
- Question one candidate at a time, individually and separate from other team members.
- Ask one (1) question regarding origin and cause from the list of questions provided.
- Ask one (1) question regarding protecting evidence from the list of questions provided.
- Ask one (1) question regarding incident reporting from the list of questions provided.
- Ask additional questions only as needed to clarify a response by the candidate.
- Make a note on the Candidates Test Summary form as to which test was assigned.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.2.1, 6.3.4
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Randomly Selected Test 1 Scenarios:

Test	Level	Location	Possible Cause
1A	Basement	Laundry Room	Dryer Fire
1B	Grade Level	Kitchen	Stove / Cooking Fire
1C	Upper level	Bedroom	Bed / Electric Blanket
1D	Attic Area	Attic	Lightning Strike

Each candidate will answer one question from each of the three areas listed below.

The Evaluator should first determine which test scenario the candidate performed in Test 1. The questions should be geared to that scenario as much as possible.

Part 2A - Individual questions regarding Cause and Origin based on the Test 1:

Part 2B - Individual questions regarding Protection of Evidence based on the Test 1:

Part 2C - Individual questions regarding Incident Reports based on the Test 1:

Total Test Time Per Candidate – 5 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	1. **(M)** Identified possible evidence			
	2. **(M)** Identified possible fire origin			
	3. **(M)** Identified possible causes			
	4. **(M)** Preserved evidence by all means necessary			
	5. **(C) Completed task within listed time limits with no safety violations**			

TEST 3A-Team-Extinguish an Ignitable Liquid Fire -Fireground Operations

Description:

Acting as a team the candidates will select the apparatus and equipment needed to control or extinguish an ignitable liquid fire. This will include foam proportioning equipment, nozzles, foam concentrate, and a water supply. The team will assemble the equipment to establish a foam stream. The team will demonstrate the appropriate techniques for applying the foam stream. This test may be conducted using flammable liquids or gas-fired training props. The test should simulate a liquid fuel spill fire of approximately 100 square feet.

Procedures:

- Candidate ____ will do a scene size-up and transmit a situation update report to a dispatcher (the evaluator).
- Candidates ____ and ____ will assemble the foam equipment.
- The team will select the proper type of foam relative to the fuel burning.
- Candidate ____ will provide a situation report to command regarding foam selection.
- Working as a team, all three candidates will perform a flammable liquid fire attack.
- Upon completion of the fire attack the team will safely back the line out.
- Candidate ____ will provide an assignment complete situation report to the dispatcher via handheld radio.
- The TEAM will break down (flush) the foam eductor and hose lines.
- Retesting for communication skills is an individual test.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.2.2, 6.3.1
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidate

As a team you have responded to an ignitable liquid fire. There are no exposure problems or life safety problems at this time. You are to select, assemble, and demonstrate the use of the appropriate apparatus and equipment to apply a foam fire stream to suppress or control the fire. Based on your assigned positions on the hose line you are to coordinate your activities among yourselves. Prior to attacking the fire ____ will do a scene size-up and situation update radio report to the dispatcher (the evaluator). ____ and ____ will assemble the foam application equipment and determine the correct foam to use on the fuel. ____ will provide a radio situation report to the dispatcher regarding the incident action plan and the type of foam to be used. The TEAM will suppress the fire applying a foam blanket. Upon completion of the fire attack the team will safely back the line out. At this point Candidate ____ will provide an assignment complete situation report to the dispatcher via handheld radio. The team will properly break down the foam equipment and hose lines. You have 15 minutes to complete this station.

Randomly Selected Test Scenarios:

TEST 3A.1 – 55 gallon drum of kerosene ruptured or tipped over, leaking contents, on fire
TEST 3A.2 – 55 gallon drum of Gasohol ruptured or tipped over, leaking contents, on fire
TEST 3A.3 – Vehicle fuel leak/fire

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a member of a team, extinguish an ignitable liquid fire with a foam fire stream.	1. Prior to ignition demonstrate the ability to prepare foam concentrate supply for use (to add to a vehicle, drum to be used with an eductor, and so forth) per Standard Operating Procedures			
	2. **(M)** Determine correct foam concentration			
	3. Identify product by utilizing placards, bill of lading, manifest, labels, and so forth. Provide a size-up report to Dispatch.			
	4. Assemble foam stream components in accordance with equipment availability			
	5. Connect and charge hose lines			
	6. **(M)** Place foam attack line in position upwind from fire. Check flow of line.			
	7. **(M)** Team with foam line approaches fire and starts to apply foam as gently as possible using maximum reach of stream			
	8. **(M)** Direct foam stream onto ground in front of fire and with sweeping motion, work blanket into fire **(evaluator can direct use of rain down, bank-down, or roll on methods at his/her discretion)**			
	9. **(M)** Do not direct foam stream into existing blanket			

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	10. **(M)** Extinguish fire			
	11. **(M)** Retreat from fire in the appropriate fashion as a coordinated team effort			
	12. Ensure foam blanket is intact and fire does not reignite			
	13. Properly breaks down and flushes equipment			
	14. **(C) Completed task within listed time limits with no safety violations**			

TEST 3B-Team-Control a Flammable Gas Fire -Fireground Operations

Description:

Acting as a team the candidates will select the apparatus and equipment needed to control or extinguish a flammable gas fire outside of a structure. Acting as a team given an assignment, the team will size up the situation, identify the product, identify safe havens prior to advancing hose lines, cool the cylinder or meter, exposures, control and/or extinguish the fire, and safely approach and retreat from the fire. Valves should be closed and flames extinguished only if the fuel flow can be stopped. This test simulates extinguishing or controlling a small propane cylinder fire such as a gas grill or small propane heater, or a residential natural gas meter fire.

Procedures:

- Candidate ____ will do a scene size-up and situation update radio report to the dispatcher.
- Candidates ____ and ____ will assemble the hose line equipment.
- The team should select the proper nozzle pattern for protection.
- Candidate ____ will radio to dispatch the team's incident action plan.
- Working as a team, the all three candidates will perform a flammable gas leak fire attack, turning off the gas valve under the protection of the hose line.
- Upon completion of the fire attack the team will safely back the line out.
- At this point Candidate ____ will provide an assignment complete situation report to a dispatcher via handheld radio.
- Retesting for communication skills is an individual test.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.2.2, 6.3.3
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidate

As a team you have responded to a small flammable gas fire, such as a gas grill fire outside of a structure, or a residential gas meter fire. Prior to attacking the fire ____ will do a scene size-up and situation update radio report a dispatcher (the Evaluator). ____ and ____ will assemble the fire attack hose line. As a team you should size up the situation, use the appropriate hose line to cool the cylinder, meter, or exposures. Candidate ____ will provide a situation report to the Incident Commander regarding the team's incident action plan. The team will approach the fire, turn of the valve, and extinguish any remaining fire. Upon completion of the fire attack safely back the line out. At this point Candidate ____ will provide an assignment complete situation report to a dispatcher via handheld radio. You have 15 minutes to complete this station.

Randomly Selected Test Scenarios:

TEST 3B.1 – Residential gas meter fire
TEST 3B.2 – Propane gas grill fire

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a member of a team, extinguish a fire involving a flammable gas cylinder. **Scenario:** Fire team is assigned to control or extinguish a fire involving an LPG container. The vapor line from the container has broken and the vapors ignited causing flame to impinge on the upper portion of the tank	1. Identify product by utilizing placards, bill of lading, manifest, labels, and so forth. Provide a size-up report to Dispatch.			
	2. Retreat safe havens are identified			
	3. **(C)** Proper use of PPE and SCBA			
	4. **(C)** Stay clear of tank ends			
	5. **(M)** Lay and charge attack line			
	6. Approach, facing the cylinder/meter uphill, upwind, but staying a relatively good distance away			
	7. Assure continuous supply of water			
	8. Apply water to tank/meter from a distance with straight or solid streams			
	9. **(M)** Apply water at point of flame impingement.			
	10. Apply water so that tank/meter is covered with a thin film of water			
	11. Do not extinguish flame on relief valve			
	12. **(C)** Upon ensuring area is safe for entry, fire team enters using a fog pattern for protection			
	13. Ensure foam blanket is intact and fire does not reignite			
	14. Member of fire team closes/caps valve			
	15. **(M)** Leak secured, fire extinguished and cylinder cooled			

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	16. **(M)** Fire team retreats facing the cylinder			
	17. **(M)** Team Leader notifies the Dispatcher when team is back to a safe haven (accountability)			
	18. **(C) Completed task within listed time limits with no safety violations**			

TEST 4A-Team-Vehicle Extrication-
Extrication / Rescue Operations

Description:
The team will demonstrate various functions required to extricate a passenger trapped in a vehicle. Each team will be required to perform a size-up, demonstrate protecting the patient, and stabilize the vehicle. The team will then perform a selected function associated with extrication operations.

Procedures:
- ***TEAM*** will don PPE (SCBA is not needed for this evolution)
- The ***TEAM*** demonstrates proper awareness and precaution for threats to life and property.
- Candidate ____ performs a 360º scene size-up.
- Under the direction of Candidate ____ the team will stabilize the vehicle.
- Under the direction of candidate ____ the team will protect the patient in the vehicle.
- The team will perform an assigned extrication task, demonstrating proper application of tools and safe operation.
- The ***TEAM*** will break down the equipment used and replace it to the staging tarp.
- Candidate ____ provides radio communications to dispatch:
  - Scene size-up situation update report.
  - Patient condition report.
  - Assignment complete report.
- Retesting for communication skills is an individual test.

Note: Completion of the task in the given time is not as important as the proper use of tools, communication and safety to patient and firefighters. The team should demonstrate sufficient progress toward completing the task for the timeframe.

Note: It may be necessary for the evaluator to spend a few minutes orienting the candidates to the extrication equipment required in the test that they may not be familiar with.

Performance Evaluation Guidelines:
NFPA 1001 – JPR 6.2.2, 6.4.1
IFSTA Instructional Materials – Skills Evaluation Checklist
Applicable IFSTA Skill Sheets
IFSTA Essentials Textbook Materials
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Team

Given an extrication operation function, candidates acting as a team will demonstrate the selection of appropriate tools to perform their assigned function, assemble and operate the tools, protect the victim, perform the operation, disassemble the tools, and replace them to the starting position. Candidate ____ will do a 360º scene size-up and make a situation update radio report to dispatch. Candidate ____ will direct team actions to protect the patient. Candidate ____ will provide dispatch with a patient condition radio report. Candidate ____ will direct team actions to stabilize the vehicle. The entire team will perform one of the basic extrication tasks. Candidate ____ will provide an assignment complete radio report to dispatch. At this time, do you have any questions or concerns regarding the directions given or the equipment provided? You have 15 minutes to complete this station.

Randomly Selected Test Skills:

4A.1 Remove windows and windshields
4A.2 Flap the roof
4A.3 Remove the roof
4A.4 Remove a door
4A.5 Dash push or displacement
4A.6 Lifting a vehicle with air bags

Total Station Test Time (including replacement of tools) – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a team, demonstrate the use of cribbing/shoring material, hydraulic tools/equipment, pneumatic tools, and hand tools while extricating a victim from the wreckage (The lead evaluator will construct a scenario that meets the need of this skills test. Keep in mind the outlined criteria that must be met is found on the Skills Test 2 summary sheet (6-10 are options and NOT required for each scenario)	1. **(M)** Wear full protective equipment including eye protection (goggles or safety glasses)			
	2. **(M)** Do a scene size-up and make a situation radio report to dispatch			
	3. Stabilize the vehicle using cribbing/shoring material			
	4. **(M)** Protect victim at all times			
	5. **Provide dispatch with a patient condition radio report**			
	6. Remove the windshield			
	7. Remove one vehicle door using a hydraulic rescue tool			
	8. Remove the top of the automobile using an air chisel and a hydraulic rescue tool			
	9. Disentangle and extricate victim utilizing appropriate methods			
	10. Stay out of pinch points of hydraulic tools			
	11. Provide an assignment complete radio report to Dispatch			
	12. **(M)** Observed all safety precautions			
	13. **(C) Completed task within listed time limits with no safety violations**			

TEST 4B-Team-Vehicle Extrication-
Rescue Assistance Operations

Description:
The team will demonstrate/explain their abilities/duties to assist rescue operation teams when given operating procedures, necessary rescue equipment, and an assignment. Rescue items are to be recognized and retrieved in a timely manner and the assignment is to be completed.

Procedures:
- ***TEAM*** does not need to don PPE or SCBA if discussion method of testing utilized.
- ***Each Member*** of the team shall answer questions related to assisting a special rescue team.
- Candidate _____ shall answer questions relating to the ability to identify and retrieve various types of rescue tools.
- Candidate _____ shall answer questions relating to establishing a safe environment by establishing public barriers.
- Candidate _____ shall answer questions relating to assignment given and relationship to training background.

Performance Evaluation Guidelines:
NFPA 1001 – JPR 6.2.2, 6.3.1
IFSTA Instructional Materials – Skills Evaluation Checklist
Applicable IFSTA Skill Sheets
IFSTA Essentials Textbook Materials
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidates

As a team you have been dispatched to assist a special rescue team. You do not have the training required to be a member of the special rescue team. You will be asked questions relating to identifying special tools, retrieving them, establishing public barriers, and your role in assisting the special rescue team.

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
Demonstrate the ability as a team member to retrieve various tools essential to the success of a specialized rescue operation The lead evaluator will construct 1 scenario, which will involve one of the specialized rescue operations below. a. structural collapses b. confined space rescues c. trench collapses d. water and ice emergencies e. cave/tunnel emergencies f. elevator emergencies g. escalator emergencies h. industrial accidents i. energized electrical line emergencies	1. **(M)** Wear full protective equipment as required			
	2. Identify and retrieve various types of rescue tools in a timely manner			
	3. Establish warranted public barriers			
	4. See assignment to completion			
	5. **(M)** Observe safety precautions throughout			
	6. **(C) Completed task within listed time limits with no safety violations**			

TEST 5-Individual-Protfolio of Assignments-
Prevention, Preparedness and Maintenance

Description:
This test will evaluate a portfolio of five fire coursework assignments.

Procedures:
The candidates shall have completed five assignments during their course work. The course instructors shall have collected the assignments, evaluated them, signed them, and returned the assignments to the candidates to bring to the certification test. The reports shall be created on a fire department computer or other equipment necessary to complete a report. Reports shall be spell checked and proofread prior to submission.

NOTE: All assignments shall be reviewed and signed off by the instructor before bringing them to the certification test.

A. Home safety survey questions
B. Fire safety presentation
C. Pre-Incident survey
D. NFIRS (Incident Report)
E. Equipment Maintenance Checklist

The candidate shall provide the examiner with a completed home fire safety survey, an outline for a fire safety information presentation applicable to a group of fire station visitors, a pre-incident survey form of an inspectable occupancy, a completed Basic NFIRS report, and an equipment maintenance checklist.

The evaluator will collect and evaluate the portfolio of assignments. The evaluator will then ask the candidate ten questions, two for each assignment, regarding the information.

Note:

- Failure to bring the portfolio of assignment to the exam shall constitute failure.
- Since there is no way to retest this station, it is imperative that students successfully complete this assignment in class and bring it to the test, graded and signed by the course instructor.
- The evaluation of the portfolio is done by a station examiner, not a State Representative.

Performance Evaluation Guidelines:
NFPA 1001 – JPR 6.2.1, 6.5.1, 6.5.2, 6.5.3
IFSTA Instructional Materials – Skills Evaluation Checklist
Applicable IFSTA Skill Sheets
IFSTA Essentials Textbook Materials
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidate

The candidate will provide the examiner with a completed home fire safety survey, the fire station fire safety presentation outline, a pre-incident survey of an inspectable occupancy, an incident report, and an equipment maintenance checklist. The candidate will then answer two questions about each assignment.

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
A. Candidate provides the completed home fire safety survey	1. **(C)** A completed home fire safety survey			
	2. Demonstrate knowledge of home fire safety			
	3. Demonstrate an understanding of the firefighters role			
B. Candidate provides the fire safety presentation outline	1. **(C)** A completed Fire Safety Presentation outline			
	2. Information organized in an outline format			
	3. Identify audience, age group, number of participants			
	4. Applicable to a small public group visiting a fire station			
	5. Identify equipment, supplies, or props needed			
C. Candidate submits completed pre-incident survey	1. **(C)** Submits a completed pre-incident report			
	2. Identify the type of construction			
	3. Identify construction features, roof type, wall type			
	4. Identify water supply and needed fire flows			
	5. Identify fire detection and protection systems			
	6. Identify fire department response and resources needed			
	7. Identify any special hazards			
	8. Include a sketch and/or a diagram of the facility			
	9. Accurate occupancy data is included			
D. Candidate provides an Incident Report	1. **(C)** Submit a completed Incident			
	2. Demonstrate knowledge of report			
E. Candidate provides an equipment maintenance checklist	1. **(C)** Submit a completed checklist			
	2. Demonstrate knowledge of checklist			
	3. **(C) Completed task within listed time limits with no safety violations**			

TEST 6A-Individual-Maintain Power Equipment-Prevention, Preparedness and Maintenance

Description:

Given a power plant unit, portable lighting equipment, or power tools, the candidate will demonstrate basic knowledge of procedures to operate the unit, inspect the unit, clean it, and return it to service. This should include checking basic fluid levels, a visual inspection for problems, clean-up of the unit, and returning it to service.

Procedures:

Proper set-up of equipment
Proper operation of equipment
Shut-down and break-down of equipment
Visual inspection and clean-up of equipment
Place unit back in service in a ready condition
Portable generator and lights – demonstrate operation and maintenance
Extrication tool power unit – demonstrate operation and maintenance
Gasoline ventilation fan – demonstrate operation and maintenance

- Much of this test will include a description of actions being taken.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.5.4
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Randomly Selected Test Scenarios:

Portable generator and lights – demonstrate operation and maintenance
Extrication tool power unit – demonstrate operation and maintenance
Gasoline ventilation fan – demonstrate operation and maintenance

Directions to the Candidate

Each candidate will be assigned one of the pieces of power equipment. You will demonstrate the set-up and operation of the equipment. You will then break down the equipment, describe inspection and clean-up procedures, and return the unit to a ready condition. You have 5 minutes to complete this station.

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
	1. Ensures all equipment is present			
	2. **(M)** Check fluid levels (oil, fuel)			
	3. **(M)** Demonstrate start-up procedures			
	4. Clean as necessary with a water and mild soapy solution or other preferred cleaning solution (see manufacturer's guidance)			
	5. Demonstrate shut-down procedures			
	6. Place unit in ready positions (on/off, choke, etc.)			
	7. **(C) Completed task within listed time limits with no safety violations**			

TEST 6B-Team-Perform Annual Hose Service Test-
Prevention, Preparedness and Maintenance

Description:

Given the necessary tools and equipment the candidates will service test several lengths of fire hose. The candidates will set up the equipment, test the hose or adequately describe the test procedures, note any defects, and break down the equipment.

Procedures:

Set up the test area, ensuring the safety of candidates and bystanders
Layout hoses, inspecting for visual defects
Mark couplings for movement of hose out of the coupling
Properly fill hoses, bleed air, and charge lines to proper pressure for 3 minutes
Drain hoses, check for defects, tag defective lengths, record test data

- Breakdown and pick up equipment
  Note: If test conditions warrant it, this test may be done dry.

Performance Evaluation Guidelines:

NFPA 1001 – JPR 6.5.5
IFSTA Instructional Materials – Skills Evaluation Checklist
IFSTA Essentials Textbook Materials, Applicable IFSTA Skill Sheets
Current Edition of IFSTA Essentials of Firefighting and related curriculum materials
Current Edition of Jones and Bartlett Fundamentals of Fire Fighter Skills

Directions to the Candidate

As a team you will use the provided tools and equipment to perform an annual service test on 2-3 lengths of fire hose. The evaluator will operate the pumper and any power equipment. You have 15 minutes to complete this station.

Randomly Selected Test Scenarios:

Test 2-3 lengths of 1½" to 3" fire hose

Test Team Assignments

No specific individual assignments required. The team will be self-directed.

Total Station Test Time – 15 Minutes

Passing Criteria (Failures): 1 Critical, 2 Major, 3 General or combination of 3 Major/General

ELEMENTS/STEPS	STANDARDS	RED	WHITE	BLUE
As a member of a team perform an annual service test for fire hose	1. Examine hose for jacket defects, coupling damage, and gaskets prior to testing (if damaged do not test)			
	2. **(M)** Proper use of PPE			
	3. Room to lay out hose			
	4. Smooth surface			
	5. Isolated from traffic			
	6. Available water source			
	7. Assemble equipment			
	8. Hose testing machine or fire department pumper			
	9. Mark sections that fail			
	10. Use hose test gate valve			
	11. Longest length not to exceed 300 feet			
	12. **(M)** Stand away from the discharge valve connection when charging hose			
	13. **(C) Completed task within listed time limits with no safety violations**			

APPENDIX

Firefighter Code of Ethics

I understand that I have the responsibility to conduct myself in a manner that reflects proper ethical behavior and integrity. In so doing, I will help foster a continuing positive public perception of the fire service. Therefore, I pledge the following…

- Always conduct myself, on and off duty, in a manner that reflects positively on myself, my department and the fire service in general.
- Accept responsibility for my actions and for the consequences of my actions.
- Support the concept of fairness and the value of diverse thoughts and opinions.
- Avoid situations that would adversely affect the credibility or public perception of the fire service profession.
- Be truthful and honest at all times and report instances of cheating or other dishonest acts that compromise the integrity of the fire service.
- Conduct my personal affairs in a manner that does not improperly influence the performance of my duties, or bring discredit to my organization.
- Be respectful and conscious of each member's safety and welfare.
- Recognize that I serve in a position of public trust that requires stewardship in the honest and efficient use of publicly owned resources, including uniforms, facilities, vehicles and equipment and that these are protected from misuse and theft.
- Exercise professionalism, competence, respect and loyalty in the performance of my duties and use information, confidential or otherwise, gained by virtue of my position, only to benefit those I am entrusted to serve.
- Avoid financial investments, outside employment, outside business interests or activities that conflict with or are enhanced by my official position or have the potential to create the perception of impropriety.
- Never propose or accept personal rewards, special privileges, benefits, advancement, honors or gifts that may create a conflict of interest, or the appearance thereof.
- Never engage in activities involving alcohol or other substance use or abuse that can impair my mental state or the performance of my duties and compromise safety.
- Never discriminate on the basis of race, religion, color, creed, age, marital status, national origin, ancestry, gender, sexual preference, medical condition or handicap.
- Never harass, intimidate or threaten fellow members of the service or the public and stop or report the actions of other firefighters who engage in such behaviors.
- Responsibly use social networking, electronic communications, or other media technology opportunities in a manner that does not discredit, dishonor or embarrass my organization, the fire service and the public. I also understand that failure to resolve or report inappropriate use of this media equates to condoning this behavior.

Developed by the National Society of Executive Fire Officers

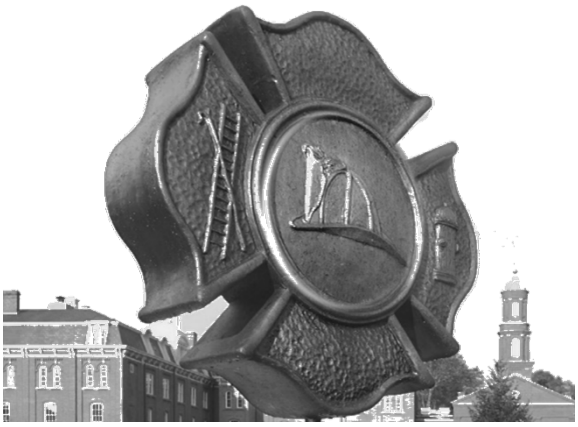
Firefighter Code of Ethics Background

The Fire Service is a noble calling, one which is founded on mutual respect and trust between firefighters and the citizens they serve. To ensure the continuing integrity of the Fire Service, the highest standards of ethical conduct must be maintained at all times.

Developed in response to the publication of the Fire Service Reputation Management White Paper, the purpose of this National Firefighter Code of Ethics is to establish criteria that encourages fire service personnel to promote a culture of ethical integrity and high standards of professionalism in our field. The broad scope of this recommended Code of Ethics is intended to mitigate and negate situations that may result in embarrassment and waning of public support for what has historically been a highly respected profession.

Ethics comes from the Greek word ethos, meaning character. Character is not necessarily defined by how a person behaves when conditions are optimal and life is good. It is easy to take the high road when the path is paved and obstacles are few or non-existent. Character is also defined by decisions made under pressure, when no one is looking, when the road contains land mines, and the way is obscured. As members of the Fire Service, we share a responsibility to project an ethical character of professionalism, integrity, compassion, loyalty and honesty in all that we do, all of the time.

We need to accept this ethics challenge and be truly willing to maintain a culture that is consistent with the expectations outlined in this document. By doing so, we can create a legacy that validates and sustains the distinguished Fire Service institution, and at the same time ensure that we leave the Fire Service in better condition than when we arrived.



The mission of the Wisconsin Technical College System is to provide citizens with comprehensive technical and adult education that:

- Enables individuals to acquire the occupational education necessary for full participation and advancement in the workforce;
- Provides remedial and basic skills education to enable individuals to function as literate members of society;
- Fosters economic development through on-site training and technical assistance to business, industry, and labor.

https://mywtcs.wtcsystem.edu/fire-service

The mission of Wisconsin Fire Service Education Office is to provide the state's fire service personnel with:

- A comprehensive education and training program in fire prevention and protection;
- Certification according to standards established by the National Fire Protection Association.

The Wisconsin Technical College System is in full compliance with state and federal equal opportunity non-discrimination laws and regulations including Title VII of the 1964 Civil Rights Act, Age Discrimination in Employment Act, Title VI of the 1964 Civil Rights Act, Equal Pay Act, Title IX of the 1972 Education Amendments, and Section 504 of the 1973 Rehabilitation Act, Wisconsin Fair Employment Law, Wisconsin Civil Service Law and Executive Orders, the Carl D. Perkins Vocational and Technical Education Act, Adult Education and Family Literacy Act, Workforce Investment Act, the Office of Civil Rights Guidelines for the Elimination of Discrimination in Vocational Education, the Americans with Disabilities Act (ADA), and/or other applicable state or federal legislation. It is the policy of the WTCS not to illegally discriminate on the basis of race, color, creed, national origin, religion, sex, age, disability, arrest record, conviction record, political affiliation, marital status, sexual orientation, and membership in the National Guard, state defense force or any other reserve component of the military forces of the United States, or this state. Inquiries regarding equal opportunity may be directed to the Wisconsin Technical College System, Attention Human Resources Officer, P.O. Box 7874, Madison, Wisconsin 53707-7874, telephone (608) 267-9745 or call the Wisconsin Relay System at 711.