

***NFPA 1001-2002
Fire Fighter II
Study Guide***



***National Certification Program
August 2004***

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Introduction to Fire Fighter II Certification

Each individual seeking certification within the Kansas Fire & Rescue Training Institute, the University of Kansas, Certification System must submit an application and the appropriate fee to secure entrance into the system. Candidates are given one year in which to complete the certification process. An application form is included in this document and may be used and/or duplicated at the local level. Applications forms may also be downloaded at: <http://www.kuce.org/fst/>

A list of current fees may be obtained by calling 785-864-4790 or 1-866-804-8841 toll free. Purchase orders from cities/organizations will be accepted. Kansas Fire & Rescue Training Institute will not "bill" individuals for the certification fee. Checks or credit cards are accepted from individuals. Upon receipt of the application and fee, the candidate will be scheduled into a specific exam site as requested or the candidate may select an exam site from the schedule on the KUCE website.

Applicants may register for an exam site at the time of application by completing the appropriate block on the application form. Candidates requesting a specific test site should contact the Kansas Fire & Training Institute 785-864-4790 or 1-866-804-8841 to confirm that they have a reserved place at the exam.

After July 1, 2000 **all** Fire Fighter II certification candidates must document SCBA face piece fit testing in compliance with 29 CFR 1910.134. Persons with beards or facial hair in the area of the SCBA face piece seal **will not** be allowed to participate in the skills exam for Fire Fighter II . **Candidate must be visibly clean shaven without stubble.**

Certification candidates are given two (2) attempts at each component, written and practical. If the candidate takes either component of the exam two (2) times without passing, the candidate is required to resubmit a certification application form as well as an additional certification fee before being scheduled to retest a third time.

Candidates failing the written exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest and enroll at the next scheduled exam that has available space. Candidates may not take the written exam more than once per day.

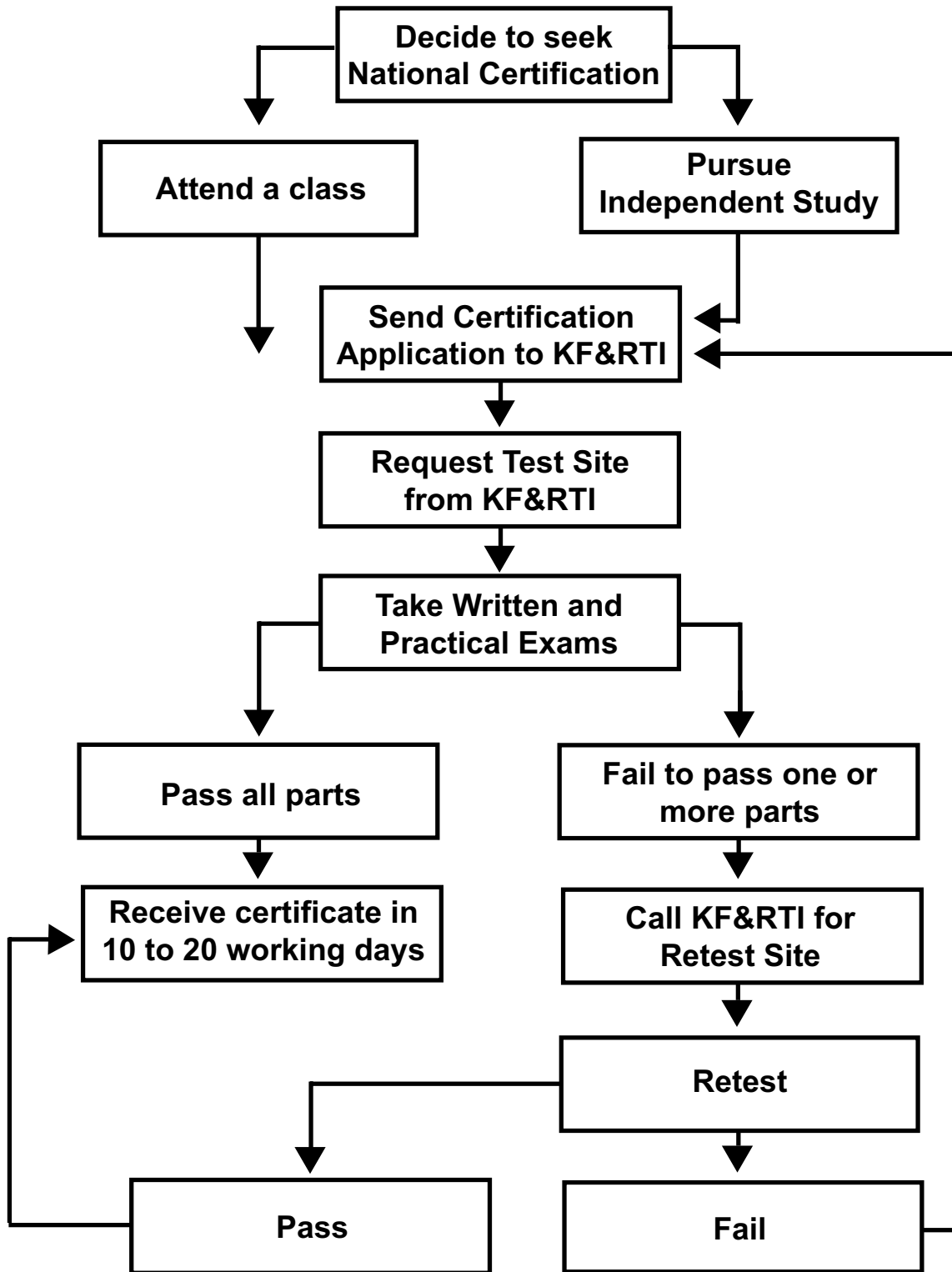
Candidates are responsible for **all of the skills** required by the applicable standard during the practical exam. An exact list of specific skills is included in this study guide. A minimum of four skills per standard will be selected to be tested at each exam site. **Candidates should be prepared to test on any skill outlined in the standard.** The intent of this process is to insure that candidates are prepared to test on all skills required by the NFPA 1001-2002 standard.

Practical skill exams are graded on a pass/fail basis. Candidates must successfully complete all skill stations at an exam site to receive a passing grade for the practical exam. Each candidate is allowed two (2) attempts at each station.

Candidates failing the practical exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest by preregistering for another regularly scheduled exam. Candidates may not take the practical exam more than once per exam day.

An official picture ID must be shown for admittance to a written or practical exam. Bring personal protective equipment and an SCBA.

Certification Flow Chart for Fire Fighter II



Fire Fighter II NFPA 1001-2002

Prerequisites:

Candidates seeking certification, for **Fire Fighter II**, within the Kansas Fire & Rescue Training Institute Certification System, the University of Kansas, must meet the following:

1. Residency and Membership requirements as stated in Section 12, "Certification Policies" of the Criteria and Procedures document published by Kansas Fire & Rescue Training Institute.
2. Candidate must be competent in all objectives listed in:
 - *NFPA 1001 Standard for Firefighter Professional Qualifications*
 - *NFPA 472 Standard for Professional Competence of Responders to Hazardous Materials Incidents Operations Level, Chapter 4.*
3. Candidate must be nationally certified NFPA 1001 Fire Fighter I
4. Successful completion of both parts of the Fire Fighter II certification exam will result in national certification in both Fire Fighter II and Hazmat Operations levels.

Written Examination:

The **Fire Fighter II** written certification exam is based on knowledge objectives listed in *NFPA 1001-2002 Standard for Firefighter Professional Qualifications* and *NFPA 472-2002 Standard for Professional Competence of Responders to Hazardous Materials Incidents Operation Level*. Candidates are required to score a minimum of 70%. The exam contains two parts. Part 1 contains fifty (50) true and false and/or multiple choice questions and is based on the standard minus the hazardous materials requirements (NFPA 472-2002). Part 2 of the exam is a fifty (50) question Hazardous Materials Operations certification exam covering hazardous materials operations requirements as stated in NFPA 472-2002, Chapter 5. Information on Part 2, hazardous materials operations, is found in the KF&RTI [Hazardous Materials Operations Study Guide](#).

Practical Examination:

The **Fire Fighter II** practical certification exam is based on skill objectives listed in *NFPA 1001-2002 Standard for Firefighter Professional Qualifications* and *NFPA 472-2002 Standard for Professional Competence of Responders to Hazardous Materials Incidents Operations Level*. Candidates will be required to score a minimum of 100% on "Critical" skills and a minimum of 70% on "Noncritical" skills. Critical vs. Noncritical skills are clearly identified on the evaluation checklists. **These checklists are available as part of the Study Guides available from Kansas Fire & Rescue Training Institute.**

References/Textbooks:

IFSTA, *Essentials of Firefighting*, 4th Edition

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**Kansas Fire & Rescue Training Institute
The University of Kansas
National Certification Application Form**

Return Application to: **Kansas Fire & Rescue Training Institute
University of Kansas Continuing Education
1515 St. Andrews Dr.
Lawrence, KS 66047-1625
FAX: 785-864-5074**

Personal Information

First Name _____ MI _____ Last Name _____ Date of Birth _____
 Home Address _____ Home City _____ State _____ Home Zip _____
 Home Phone _____ Daytime Phone _____ E-mail Address _____ FAX _____
 Fire Department/Organization _____ Fire Department Address _____

Please circle the category/level of certification for which you are applying. Please contact Kansas Fire & Rescue Training Institute for specific certification fee information (1-866-804-8841).

Levels:

- Fire Fighter I* (includes Haz Mat Awareness)
- Fire Fighter II* (includes Haz Mat Operations)
- Driver/Operator-Aerial
- Driver/Operator-ARFF
- Driver/Operator-Pumper
- Hazmat Awareness
- Hazmat Operations*
- Hazmat Technician*
- Inspector I
- Instructor I
- Instructor II
- Officer I
- Officer II
- Airport Fire Fighter*

***Level requires verification of SCBA Fit Testing. See statement below.**

Payment Method

Each application must be accompanied by payment of appropriate certification fees. Approved methods of payment are listed below. Please indicate method of payment you will use. (Please do not send cash through the mail.)

Payment enclosed (check or money order) Bill my department/organization
 MasterCard VISA Discover American Express
 Account number: _____ Expiration Date: _____

Name as it appears on card: _____

Testing Site Registration (optional)

If you know the location and date of the test site that you wish to attend, please list that information below. A certification exam schedule can be obtained by contacting the Kansas Fire & Rescue Training Institute at 785-864-4790 (phone), 1-866-804-8841 (toll free) or e-mail to kufst@ku.edu or visit our web site ([address: http://www.kuce.org/fst/](http://www.kuce.org/fst/)).

I wish to register for the following test site: Location: _____ Test Date: _____

I verify that I have reviewed the certification guidelines as stated in the Kansas Fire & Rescue Training Institute Certification Criteria and Procedures document and agree to conform to those guidelines. I further verify that all information submitted on this form is accurate.

Applicant's Signature

I verify the person listed on this form has been fit tested as per OSHA 29 CFR Part 1910.134. This form must be signed by the person conducting the fit testing or the Fire Chief.

Signature of Verifying Authority

Special Accommodation: If you will need special accommodation, please check the box preceding this statement and you will be contacted by a staff member.

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FFII Written Exam Study Guidesheets

Standard: *NFPA 1001, Standard for Fire Fighter Professional Qualifications, 2002 Edition*

References: The Reading/Study References listed below represent references from which certification exam questions are taken.

Unless otherwise noted all references listed below are from
IFSTA Essentials of Fire Fighting, 4th Edition, 1st printing, March 1998

Section Subject & NFPA Objective Number	Reading/Study Reference
General 6.1 to 6.1.1.2	pp. 7–30, pp. 541–544 and pp. 647–651
Reports 6.2.1	pp. 647–651
Communications 6.2.2	pp. 636–649
Liquid Fire 6.3.1	pp. 58–60, pp. 498–517, pp. 529–533 and pp. 547–549
Interior Attack 6.3.2	Safety: pp. 5–8 and pp. 240–241 Fuels: pp. 42–48 Building Construction: pp. 65–71 Rescue: pp. 175–178 Water Supply: pp. 390–393 Ventilation: pp. 345–347 and pp. 352–371 Fire Control: pp. 521–547 Overhaul: pp. 596–599
Flammable Gas 6.3.3	pp. 80–85 and pp. 529–535
Protecting the Scene 6.3.4	pp. 621–629 and pp. 596–599

FFII Written Exam Study Guidesheets Continued

Standard: *NFPA 1001, Standard for Fire Fighter Professional Qualifications, 2002 Edition*

References: The Reading/Study References listed below represent references from which certification exam questions are taken.

Unless otherwise noted all references listed below are from
IFSTA Essentials of Fire Fighting, 4th Edition, 1st printing, March 1998

Section Subject & NFPA Objective Number	Reading/Study Reference
Vehicle Rescue	
6.4.1	pp. 191–206
Rescue Operations	
6.4.2	Toxic Atmospheres: pp. 87–93 Forcible Entry through Doors: pp. 252–pp. 259 Victim Removal: pp. 183–185 Rescue Tools: pp. 186–193 Special Rescue: pp. 206–214 Rapid Intervention: pp. 544–549
Prepare Survey	
6.5.1	Building Construction: pp. 66–76 Alarms: pp. 559–584 and pp. 637–638 Water Supply: pp. 379–389 Fire Cause: pp. 622–629 Fire Prevention: pp. 655–659 Public Fire Education: pp. 671–676 Conducting Survey: pp. 661–666
Maintain Tools	
6.5.3	pp. 26–30, pp. 186–190 and pp. 234–243
Test Hose	
6.5.3	pp. 437–439 and pp. 480–483
Hydrant Test	
6.5.4	pp. 383–389 and p. 394

Fire Fighter II Skills Exam Study Guidesheets

Standard: NFPA 1001, *Standard for Fire Fighter II Professional Qualifications*, 2002 Edition

References: The Reading/Study References listed below represent references from which certification practical skills are taken. *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

KF&RTI Practical Test Item #	NFPA 1001 Objective	Pages in <i>Essentials of Fire Fighting</i> , IFSTA, 4th Edition, 1st printing
1	6.2.1	Incident Reports: pp. 651
2	6.2.2	Operation of Communication Equipment: pp. 645–651
3	6.3.1	Live Fire-Extinguish Ignitable Liquid Fire: pp. 498–517
4	6.3.2	Live Fire-Interior Fire Attack: pp. 29–30, pp. 71–76, pp. 234–243, pp. 522–528 and pp. 544–547
5	6.3.3	Live Fire-Flammable Gas Cylinder: pp. 529–535
6	6.3.4	Protect Evidence of Fire Cause: pp. 621–629
7	6.4.1 and 6.4.2	Extricate Entrapped Victim: pp. 183–206 and pp. 215–229 pp. 183–206 and 215–229
8	6.5.1	Pre-Incident Survey: pp. 662–671
9	6.5.2	Maintaining Equipment: pp. 186–196
10	6.5.3	Service Test Fire Hose: pp. 437–438 and pp. 446–448
11	6.5.4	Test Fire Hydrant: pp. 386–389

NFPA 1001-2002 FFII

Performance Test Item 1

Incident Reports

Read: p. 651, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (7 of 10) Objective: NFPA 1001-2002, Chapter 6, 6.2.1, 6.2.1(B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Read to Candidate
<p>Given a report form and pertinent information, you will be required to record information on the form, proof the report and return it to the evaluator.</p> <p>Scenario: Medical unit 11, Engine 1, Squad 2, of the Red Dirt Fire Department, responded to a 911 call to investigate the smell of smoke in a one story single family residence. Upon investigation the captain reported a motor on fire in a furnace. One 37 year old female was treated for smoke inhalation and transported to the hospital by Medic 11. A class "C" extinguisher was used to extinguish the fire in the furnace motor. Animal control was contacted and transported the family pet to the local veterinarian for observation.</p> <p><input type="checkbox"/> Successful completion of all steps within _____ minutes or <input checked="" type="checkbox"/> within a reasonable fireground time</p>

1st Attempt	2nd Attempt	Skill Checklist	
P	F	P	F
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Evaluator's Signature: _____ Date: _____ ___ P ___ F
 Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII Performance Test Item 2

Operation of Communication Equipment

Read: pp. 645–651, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (4 of 5)

Objective: NFPA 1001-2002, Chapter 6, 6.2.2(B)

Personal Protective
Equipment Required:

- No special clothing required
 Full PPE + SCBA
 Full PPE w/o SCBA
 Helmet, gloves, boots
 Other:

Tools/Equipment/Setting:

Fire department radios, vision obscured room, team members

Read to Candidate
<p>Given a fire department radio, a vision obscured room, using local fire department SOP's, you will request a team complete a room search locate and remove a victim. You must keep your supervisor informed of team needs and status. You must accomplish this assignment and work safely as a member of a team. You must report the safe completion of your assignment to your supervisor to end the scenario.</p> <p><input type="checkbox"/> Successful completion of all steps within _____ minutes or <input checked="" type="checkbox"/> within a reasonable fireground time</p>

1st Attempt	2nd Attempt	Skill Checklist
P	F	
_____	_____	1. Recognized the need for team assistance
_____	_____	2. Communicated need for team support to supervisor via radio
_____	_____	3. Followed departmental SOP's
_____	_____	4. Accomplished assignment and worked safely as a member of a team
_____	_____	5. Reported assignment completion to supervisor

Evaluator's Signature: _____

Date: _____ ___P___F

Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII Performance Test Item 3

Live Fire-Extinguish an Ignitable Liquid Fire

Read: pp. 498–517, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (7 of 10)

Objective: NFPA 1001-2002, Chapter 6, 6.3.1(B)

Personal Protective
Equipment Required:

- No special clothing required
 Full PPE + SCBA
 Full PPE w/o SCBA
 Helmet, gloves, boots
 Other:

Tools/Equipment/Setting:

Simulated liquid fire, foam, proportioner, water supply, attack line and a team, fire department pumper

Read to Candidate
<p>Given foam concentrates, a foam proportioning device, water supply and attack line you will be required to operate as a member of a team to extinguish an ignitable liquid fire. You must select the proper type of foam concentrate for fuel, assemble foam stream components and apply the foam stream on the surface of the fuel to create and maintain a foam blanket to extinguish the fire and prevent reignition. Your team must maintain a foam stream for protection and face the hazard while retreating to a safe haven.</p> <p><input type="checkbox"/> Successful completion of all steps within _____ minutes or <input checked="" type="checkbox"/> within a reasonable fireground time</p>

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
_____	_____	_____	_____	Extinguishing an ignitable liquid fire
_____	_____	_____	_____	1. Selected proper type of foam concentrate for fuel
_____	_____	_____	_____	2. Assembled foam stream components (if applicable)
_____	_____	_____	_____	3. Approached fire safely as a member of a team
_____	_____	_____	_____	4. Applied foam stream to surface
_____	_____	_____	_____	5. Maintained foam blanket
_____	_____	_____	_____	6. Extinguished fire
_____	_____	_____	_____	7. Prevented reignition
_____	_____	_____	_____	8. Maintained team protection with foam stream
_____	_____	_____	_____	9. Team retreated facing hazard
_____	_____	_____	_____	10. Team reached safe haven

Evaluator's Signature: _____

Date: _____ ___ P ___ F

Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII Performance Test Item 4

Live Fire-Coordinate an Interior Fire Attack

Read: pp. 29–30, pp. 70–76, pp. 234–245, pp. 522–528 and pp. 544–547
Essentials of Fire Fighting, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (7 of 11)

Objective: NFPA 1001-2002, Chapter 6, 6.3.2 (B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Class A training fire, attack lines, team members, forcible entry tools, water supply, fire department pumper

Read to Candidate

Given attack lines, team personnel, forcible entry tools, level/type of fire you will be required to operate as a member of a team to coordinate an interior fire attack assignment. You will be required to evaluate fire growth and development, utilize correct attack techniques, communicate plan of attack to team members, establish and maintain team integrity. You must choose appropriate tools for forcible entry. You will also be responsible for incorporating/managing search and rescue and ventilation procedures. The team must recognize developing or hazardous building conditions, report hazards to attack team members and apprise incident command of changing conditions.

Successful completion of all steps within _____ minutes **or** within a reasonable fireground time

1st Attempt		2nd Attempt		Skill Checklist
P	F	P	F	
_____	_____	_____	_____	Coordinate an interior fire attack
_____	_____	_____	_____	1. Correct team selected and assembled for given level of fire (attic, grade level, upper level, or basement)
_____	_____	_____	_____	2. Growth of fire and development evaluated
_____	_____	_____	_____	3. Correct attack techniques selected for given fire
_____	_____	_____	_____	4. Attack technique communicated to team
_____	_____	_____	_____	5. Team integrity is established and maintained
_____	_____	_____	_____	6. Proper tools selected for forcible entry
_____	_____	_____	_____	7. Search and rescue as well as ventilation procedures incorporated/managed
_____	_____	_____	_____	8. Developing or hazardous building conditions determined
_____	_____	_____	_____	9. Hazards reported to attack team (if applicable)
_____	_____	_____	_____	10. Incident command is apprised of changing conditions
_____	_____	_____	_____	11. Interior fire attack assignment accomplished

Evaluator's Signature: _____

Date: _____ ___ P ___ F

Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII Performance Test Item 5

Live Fire-Flammable Gas Cylinder Fire

Read: pp. 529–535, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (7 of 10)

Objective: NFPA 1001-2002, Chapter 6, 6.3.3(B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Simulated flammable gas cylinder fire, attack lines, water supply, fire department pumper, team members, experienced fire officer

Read to Candidate

Given an attack line and a simulated fire you will operate as a member of a team, with an officer appointed by the test coordinator as a team leader, to control a flammable gas cylinder fire outside a structure. You must identify the contents of the cylinder and a safe haven prior to advancing as a team as well as recognizing and acting on hazardous conditions. You will be responsible for cooling the cylinder with a straight fire stream from a distance and evaluating cylinder integrity/changes in condition. The team must approach facing the cylinder and remain behind the water fog pattern. Do not extinguish the flames until leaking gas is eliminated and the fuel source control valve is closed. The team must face the cylinder during retreat.

Successful completion of all steps within _____ minutes or within a reasonable fireground time

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
_____	_____	_____	_____	Control a flammable gas cylinder fire
_____	_____	_____	_____	1. Contents of cylinder were identified
_____	_____	_____	_____	2. Safe haven identified prior to advancing
_____	_____	_____	_____	3. Hazardous conditions are recognized/acted upon
_____	_____	_____	_____	4. Cylinder is cooled with a straight fire stream from a distance
_____	_____	_____	_____	5. Cylinder integrity/changes in cylinder condition are evaluated
_____	_____	_____	_____	6. Team approaches cylinder behind water fog pattern
_____	_____	_____	_____	7. Cylinder is faced by the team during approach
_____	_____	_____	_____	8. Flames not extinguished until leaking gas is eliminated
_____	_____	_____	_____	9. Fuel source control valve on cylinder is closed
_____	_____	_____	_____	10. Cylinder is faced by the team during retreat

Note: Because of the danger of controlling even simulated flammable gas cylinder fires this test scenario must be conducted under the direct supervision of an officer (in the capacity of team leader) with the Fire fighter II candidate acting as a team member only.

Evaluator's Signature: _____

Date: _____ ___ P ___ F

Evaluator's comments on reverse side if candidate fails

**NFPA 1001-2002 FFII
Performance Test Item 6
Protect Evidence of Fire Cause**

Read: pp. 621-629, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (4 of 5)

Objective: NFPA 1001-2002, Chapter 6, 6.3.4(B)

Personal Protective
Equipment Required:

- No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Burn scene or photographs of a burn scene and a scenario

Read to Candidate

Given a burn scenario or photographs of a burn scenario, you will be required to protect evidence of fire cause and origin. You will be responsible for stating that you would delay overhaul and salvage until you receive approval from your supervisor. After observing the burn area or photographs you must state possible fire cause and area of origin. You must be able to explain to the evaluator criteria you used to determine the area of origin. You must state how overhaul would be conducted in the area of origin and how evidence would be protected until an investigator arrives.

Successful completion of all steps within _____ minutes or within a reasonable fireground time

1st Attempt		2nd Attempt		Skill Checklist
P	F	P	F	
_____	_____	_____	_____	Protect evidence of fire cause and origin
_____	_____	_____	_____	1. Delayed thorough overhaul and salvage work until approved by supervisor
_____	_____	_____	_____	2. Recognized and noted possible fire cause
_____	_____	_____	_____	3. Identified area of fire origin by one or more of the following
				a) Heat intensity
				b) Fire movement and intensity of burn patterns
				c) Incendiary device
				d) Combustible trailers
_____	_____	_____	_____	4. Moved minimal debris, in area of evidence or origin, for overhaul purposes
_____	_____	_____	_____	5. Protected evidence from disturbance until investigator arrived

Evaluator's Signature: _____

Date: _____ P F

Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII Performance Test Item 7

Extricate Victim Entrapped in Vehicle

Read: pp. 183–206 and pp. 215–229, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (11 of 15)

Objective: NFPA 1001-2002, Chapter 6, 6.4.1(B), 6.4.2(B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA

Tools/Equipment/Setting: Helmet, gloves, boots Other: _____

Two to four salvaged autos with most window glass intact. **Vehicles must have gas tanks and batteries removed.** Standard complement of power rescue tools and hand tools, rescue manikins or rescue victims (in full PPE).

Read to Candidate

Given a simulated motor vehicle accident with an entrapped victim, stabilization and extrication tools, you will operate safely and efficiently as a member of a team to extricate the victim and assist with rescue operations. The team will be required to conduct a scene size up, establish public safety barriers, assess the need for extrication and determine the condition of vehicle and extrication tasks. The team must determine the number of victims and their injuries. Equipment and rescue tools must be staged and the team should recognize/manage hazards. The vehicle must be stabilized, air bags deactivated, victim accessed, assessed and protected. Glass must safely be removed and the team may be required to remove the roof, door, pull the steering column/steering wheel or roll the vehicle's dash. The victim must be disentangled without undue further injury.

Successful completion of all steps within _____ minutes **or** within a reasonable fireground time

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
_____	_____	_____	_____	Extricate victim entrapped in vehicle and assist rescue operation teams
_____	_____	_____	_____	1. Conducted scene size up concurrent with team members establishing public safety barriers
_____	_____	_____	_____	2. Assessed the need for extrication
_____	_____	_____	_____	3. Determined number of victims and their injuries
_____	_____	_____	_____	4. Determined condition of vehicle/extrication tasks
_____	_____	_____	_____	5. Team members identified and retrieved rescue equipment/tools
_____	_____	_____	_____	5. Team recognized/managed hazardous conditions
_____	_____	_____	_____	6. Stabilized vehicle using cribbing/chocked wheels
_____	_____	_____	_____	7. Deactivated vehicle's air bags (if applicable)
_____	_____	_____	_____	8. Gained access to victim and assess condition
_____	_____	_____	_____	9. Protected victim then safely removed glass
_____	_____	_____	_____	10. Team removed vehicle roof (if applicable)
_____	_____	_____	_____	11. Team removed vehicle door (if applicable)
_____	_____	_____	_____	12. Team pulled vehicle steering column or wheel (if applicable)
_____	_____	_____	_____	13. Team rolled vehicle dash (if applicable)
_____	_____	_____	_____	14. Operated as a team member in a safe and efficient manner
_____	_____	_____	_____	15. Victim disentangled without undue further injury

Evaluator's Signature: _____

Date: _____ **P** **F**
Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII

Performance Test Item 9

Maintaining Equipment

Read: pp. 186–196, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (11 of 14)

Objective: NFPA 1001-2002, Chapter 6, 6.5.2(B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Power plant, lighting equipment, power tools

Read to Candidate

Given power plants, lighting equipment and power tools, you will be required to check for damage, test for function, perform maintenance per manufacturer's instructions. You must also ensure equipment is clean, maintenance has been recorded and equipment has been placed in a ready state or reported out of service.

Successful completion of all steps within _____ minutes or within a reasonable fireground time

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
				Maintain power plants, lighting equipment and power tools
				Power plants
___	___	___	___	1. Checked fluid levels per manufacturer's instructions
___	___	___	___	2. Checked power plant was in starting mode
___	___	___	___	3. Properly started power plant
___	___	___	___	4. Checked for function (power plant produced electricity)
___	___	___	___	5. Properly shut down power plant and cleaned if necessary
___	___	___	___	6. Placed power plant in ready state or reported out of service (if applicable)
				Lighting equipment
___	___	___	___	1. Inspected all electrical cords for damage/worn insulation
___	___	___	___	2. Inspected all lighting equipment for visible damage
___	___	___	___	3. Tested all lighting equipment for function
___	___	___	___	4. Placed lighting equipment in ready state or reported out of service
				Power tools
___	___	___	___	1. Inspected all electrical cords for damage/worn insulation
___	___	___	___	2. Inspected power tools for visible damage
___	___	___	___	3. Tested power tools for function
___	___	___	___	4. Placed power tools in ready state or reported out of service

Evaluator's Signature: _____ Date: _____ ___ P ___ F

Evaluator's comments on reverse side if candidate fails

NFPA 100-2002 FFII

Performance Test Item 10

Service Test Fire Hose

Read: pp. 437–438 and pp. 446–448, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (8 of 12)

Objective: NFPA 1001-2002, Chapter 6, 6.5.3(B)

Personal Protective Equipment Required:

- No special clothing required
 Full PPE + SCBA
 Full PPE w/o SCBA
 Helmet, gloves, boots
 Other:

Tools/Equipment/Setting:

Fire department hose records, fire department hose, marking device (ball point pen), timer, fire department pumper

Read to Candidate

Given fire department hose test records, fire department pumper, fire department hose, marking device and a timer you will be required to perform an annual service test on the fire hose. You will be responsible for visually inspected hose, check couplings for defects, remove and check gaskets, and mark hose for testing. You must connect the hose to pumper slowly increasing pump operating pressure, bleed air from lines and check for line for leaks. The pressure must be held at 250 psi for 5 minutes. You must decrease pump pressure to zero, bleed water from line and check hose for slipped couplings or jacket damage. To complete the test you must return the hose to a ready state or report that it is out of service.

Successful completion of all steps within _____ minutes or within a reasonable fireground time

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
_____	_____	_____	_____	Perform an annual service test on a fire hose
_____	_____	_____	_____	1. Recorded test on fire department form
_____	_____	_____	_____	2. Visually inspected hose for damage
_____	_____	_____	_____	3. Checked couplings for defects
_____	_____	_____	_____	4. Marked hose behind couplings
_____	_____	_____	_____	5. Removed and checked gaskets
_____	_____	_____	_____	6. Connected hose to pumper or testing stand
_____	_____	_____	_____	7. Slowly increased pump operating pressure while bleeding air from the line
_____	_____	_____	_____	8. Checked for leaks and corrected if necessary
_____	_____	_____	_____	9. Operated pump at 250 psi for 5 minutes
_____	_____	_____	_____	Note: The candidate is not required to remember the pressure and test time but must be able to tell the evaluator where they would find the information.
_____	_____	_____	_____	10. Decreased pump pressure to zero and bleeds water from line
_____	_____	_____	_____	11. Checked hose for slipped couplings or jacket damage
_____	_____	_____	_____	12. Returned hose to ready state or reported it out of service

Evaluator's Signature: _____

Date: _____ _____P _____F

Evaluator's comments on reverse side if candidate fails

NFPA 1001-2002 FFII

Performance Test Item 11

Test Fire Hydrant

Read: pp. 386–389, *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

Candidate's Name: _____

Percent Required to Pass: 70% (7 of 10)

Objective: NFPA 1001-2002, Chapter 6, 6.5.4(B)

Personal Protective Equipment Required: No special clothing required Full PPE + SCBA Full PPE w/o SCBA
 Helmet, gloves, boots Other:

Tools/Equipment/Setting:

Pressurized hydrant, pitot tube, hydrant wrench

Read to Candidate

Given a pressurized hydrant, pitot tube, and hydrant wrench you will be required to test the operability of and flow from a fire hydrant. You will be responsible for inspecting the hydrant for visible damage, removing the hydrant cap, and checking for obstructions in the hydrant outlet. You must check the security of the other hydrant caps prior to opening the hydrant all the way. You must open the petcock on the pitot tube, place the opening in the pitot tube blade in the center of the stream at a distance approximately 1/2 the diameter of the outlet. The pitot tube must be held parallel to the outlet and you must read and record gauge pressure. Slowly shut down the hydrant and test for hydrant drainage then replace cap.

Successful completion of all steps within _____ minutes or within a reasonable fireground time

1st Attempt	2nd Attempt	Skill Checklist
--------------------	--------------------	------------------------

P	F	P	F	
_____	_____	_____	_____	Test the operability of and flow from a fire hydrant
_____	_____	_____	_____	1. Inspected hydrant for visible damage
_____	_____	_____	_____	2. Removed selected cap from hydrant
_____	_____	_____	_____	3. Checked for obstructions in hydrant outlet
_____	_____	_____	_____	4. Checked security of other hydrant caps (on tight)
_____	_____	_____	_____	5. Opened hydrant all the way (or within a half turn)
_____	_____	_____	_____	6. Opened petcock on pitot tube
_____	_____	_____	_____	7. Placed the opening in the pitot tube blade in the center of the stream at a distance from the face approximately 1/2 the diameter of the outlet
_____	_____	_____	_____	8. Pitot tube was held parallel to the outlet
_____	_____	_____	_____	9. Read and record gauge pressure
_____	_____	_____	_____	10. Slowly shut down hydrant, tested for negative pressure at outlet (hydrant properly draining) and replaced caps

Note: If not possible to flow hydrant due to lack of hydrants in response area, substitute pumper and secured open 2 1/2" hose line (pump at 50 psi) and use pitot tube to measure water flow.

Evaluator's Signature: _____

Date: _____ ____ P ____ F

Evaluator's comments on reverse side if candidate fails