

CHAPTER 73
STANDARDS FOR FIRE SERVICE TRAINING
AND CERTIFICATION

Authority

N.J.S.A. 52:27D-198.

Source and Effective Date

R.2000 d.30, effective December 22, 1999.
See: 31 N.J.R. 3257(a), 32 N.J.R. 273(c).

Chapter Expiration Date

In accordance with N.J.S.A. 52:14B-5.1c, Chapter 73, Standards for Fire Service Training and Certification, expires on June 20, 2005. See: 36 N.J.R. 3652(a).

Chapter Historical Note

Chapter 73, Standards for Fire Service Training and Certification, was originally codified in Title 5 as Chapter 18C, Standards for Fire Service Training and Certification. Chapter 18C was adopted as R.1990 d.114, effective February 5, 1990. See: 21 N.J.R. 1655(a), 22 N.J.R. 337(c).

Pursuant to Executive Order No. 66 (1978), Chapter 18C, Standards for Fire Service Training and Certification, was readopted as R.1995 d.58, effective January 3, 1995. See: 26 N.J.R. 4258(a), 27 N.J.R. 878(b).

Subchapter 6, Hazardous Materials/Incident Commander Certifications, was adopted as R.1996 d.84, effective March 4, 1996. See: 27 N.J.R. 1845(a), 28 N.J.R. 1377(b).

Pursuant to Reorganization Plan No. 002-1998, Chapter 18C, Standards for Fire Service Training and Certification, was recodified as N.J.A.C. 5:73, effective July 1, 1998. See: 30 N.J.R. 1347(a), 30 N.J.R. 2644(a).

Pursuant to Executive Order No. 66(1978), Chapter 73, Standards for Fire Service Training and Certification, was readopted as R.2000 d.30, effective December 22, 1999. See: Source and Effective Date.

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SUBCHAPTER 1. GENERAL PROVISIONS

5:73-1.1 Titles, division into subchapters

(a) The rules contained in this chapter shall be known as “Standards for Fire Service Training and Certification” and are referred to herein as the Standards.

(b) The Standards are divided into seven parts:

1. Subchapter 1 is entitled “General Provisions” and may be cited throughout the Standards as N.J.A.C. 5:73-1, and when referred to in subchapter 1 of this chapter, may be referred to as this subchapter.

2. Subchapter 2 is entitled “Educational Programs and Facilities” and may be cited throughout the Standards as N.J.A.C. 5:73-2, and when referred to in subchapter 2 of this chapter, may be referred to as this subchapter.

3. Subchapter 3 is reserved.

4. Subchapter 4 is entitled "Firefighter I" and may be cited throughout the Standards as N.J.A.C. 5:73-4, and when referred to in subchapter 4 of this chapter, may be referred to as this subchapter.

5. Subchapter 5 is entitled "Instructor" and may be cited throughout the Standards as N.J.A.C. 5:73-5, and when referred to in subchapter 5 of this chapter, may be referred to as this subchapter.

6. Subchapter 6 is entitled "Incident Management System Certification" and may be cited throughout the Standards as N.J.A.C. 5:73-6, and when referred to in subchapter 6 of this Chapter, may be referred to as this subchapter.

7. Subchapter 7 is entitled "Fire Police Officer Training" and may be cited throughout the Standards as N.J.A.C. 5:73-7, and when referred to in subchapter 7 of this chapter, may be referred to as this subchapter.

Amended by R.1998 d.85, effective February 17, 1998.
See: 29 N.J.R. 3210(a), 30 N.J.R. 641(a).

In (b), substituted a reference to six parts for a reference to five parts, and added 6.

Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

In (b), substituted "seven" for "six" in the introductory paragraph, and added (b)7.

5:73-1.2 Authority

These standards are promulgated by the Commissioner of Community Affairs pursuant to the authority of the Uniform Fire Safety Act (P.L. 1983, c.383, N.J.S.A. 52:27D-192 et seq., specifically 52:27D-198 and 52:27D-219) and of the Act which establishes a Division of Fire Safety in the Department of Community Affairs (P.L. 1983, c.382, amended by P.L. 1993, c.218; N.J.S.A. 52:27D-25a et seq., specifically 52:27D-25d, and further amended by P.L. 1995, c.266; N.J.S.A. 52:27D-25a et seq., specifically 52:27D-25i, j, k and m.)

Administrative change.

See: 27 N.J.R. 2886(b).

Amended by R.1998 d.85, effective February 17, 1998.

See: 29 N.J.R. 3210(a), 30 N.J.R. 641(a).

Added a reference to P.L. 1995, c.266; N.J.S.A. 52:27D-25a et seq., specifically 52:27D-25i, j, k, and m.

5:73-1.3 Intent and purpose

(a) It is the intent of the Standards to control all matters relating to qualifications for, and the training and certification of all members of the fire service, including firefighters and officers engaged in, or to be engaged in, fire suppression activities, and all fire service instructors.

1. For purposes of this chapter, "fire service" shall not include wildland and forestland firefighters in the State forest fire service.

(b) The Uniform Fire Safety Act and related legislation, specifically N.J.S.A. 52:27D-25a et seq., have been adopted to ensure public safety and welfare. In order for fire suppression activities to be conducted adequately and effectively, members of the fire service will need to have sufficient knowledge and competence. This can best be achieved through the creation of an education and training program and the development of certification requirements.

1. It is the purpose of this chapter to establish standards and procedures for the certification of persons involved in fire suppression activities including but not limited to firefighter recruits, firefighters, fire officers, and fire service instructors.

(c) Unless otherwise specifically provided, all references to article or section numbers or to provisions not specifically identified by number, shall be construed to refer to such article, section or provision of this chapter.

Amended by R.1997 d.286, effective July 21, 1997.

See: 29 N.J.R. 722(a), 29 N.J.R. 3243(a).

Added (a)1.

5:73-1.4 Definitions

The following terms shall have the meanings indicated except where the context clearly requires otherwise.

"Acquired building" means any structure acquired by the eligible organization from a property owner for the purpose of conducting live fire training exercises.

"Commissioner" means the Commissioner of the Department of Community Affairs or his or her delegate.

"Department" means the Department of Community Affairs.

"Division" means the Division of Fire Safety of the Department of Community Affairs.

"Eligible organization" means a fire department or district, or a combination of fire departments or districts, an institution of higher learning, the New Jersey State Fire College or a recognized governmental entity which has been approved by the Division to offer courses or modules which meet the requirements of this chapter.

"Evolution" means a set of prescribed actions that result in an effective fireground activity.

"Fire police officer" means any member of a duly organized volunteer fire company who has the duty for performing traffic control, scene security, and other related duties at the scene of a public event, fire, fire drill or any other similar occasion.

"Fire service" means the State, a county or municipal agency or fire district utilizing volunteer, career or part-paid firefighters for rescue, fire suppression and related activities.

“Fire service instructor” means a career or volunteer or part-paid firefighter who has been certified by the division to deliver firefighter training after completing a prescribed

curriculum. For purposes of this chapter, “fire service instructor” shall not include instructors of wildland and forestland firefighters in the State forest fire service.

“Fire service training organization” means any State, county or municipal agency or other entity, either public or private, which trains firefighters.

“Live fire” means any open flame or device that can propagate fire to a building or other combustible materials.

“Live fire training” means training that involves any open flame or device that can propagate fire.

“Non-permanent fire service training facility” means any building, or group of buildings, or areas, or mock-ups not specifically designed for firefighter training evolutions and not utilized as a fire training facility on a regular or continual basis including, but not limited to, acquired buildings and motor vehicles.

“Permanent fire service training facility” means any building or group of buildings, or areas, or mock-ups specifically designed for firefighter training evolutions and utilized as a fire training facility on a regular or continual basis.

“Shall” indicates a mandatory requirement.

“Should” indicates a recommendation or that which is advised but not required.

“Supervisor” means fire service personnel who have supervisory authority and responsibility over other personnel.

Amended by R.1993 d.628, effective December 6, 1993.

See: 25 N.J.R. 4363(a), 25 N.J.R. 5466(a).

Amended by R.1997 d.286, effective July 21, 1997.

See: 29 N.J.R. 722(a), 29 N.J.R. 3243(a).

Added “Acquired building”, “Eligible organization”, “Evolution”, “Fire service”, “Fire service instructor”, “Fire service training organization”, “Live fire”, “Live fire training”, “Non-permanent fire service training facility”, and “Permanent fire service training facility”; and deleted “Commission” and “Council”.

Amended by R.1998 d.85, effective February 17, 1998.

See: 29 N.J.R. 3210(a), 30 N.J.R. 641(a).

Added “Supervisor”.

Amended by R.2001 d.57, effective February 20, 2001.

See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

Added “Fire police officer”.

5:73-1.5 Office established; hearings

(a) There is hereby established in the Division of Fire Safety an Office of Training and Certification. The office shall consist of such employees of the Department of Community Affairs as may be required for the efficient implementation of this chapter.

(b) The Office shall have the following responsibilities in addition to all others provided in this chapter:

1. To issue such certifications and certificates as may be called for herein when warranted and to affix the seal of the Commissioner thereon;
2. To keep accurate records of all applications for a certification or certificate and any official action thereon

and to make such records available for inspection by the public at all reasonable times; and

3. To suspend or revoke a certification or certificate provided for herein upon the establishment of good cause.

(c) Any person aggrieved by any notice, action, ruling or order of the Commissioner, with respect to this chapter, shall have a right to a hearing before the Office of Administrative Law, in accordance with the Administrative Procedure Act, N.J.S.A. 52:14B-1 et seq., and the Uniform Administrative Procedure Rules, N.J.A.C. 1:1. The final decision in any such case shall be issued by the Commissioner.

1. The aggrieved person must request a hearing. The request must be made within 15 days after receipt of the action or ruling being contested. The request shall be made to the Hearing Coordinator, Department of Community Affairs, PO Box 802, Trenton, NJ 08625-0802. The request for hearing shall raise all issues that will be set forth at the hearing.

Amended by R.1993 d.628, effective December 6, 1993.

See: 25 N.J.R. 4363(a), 25 N.J.R. 5466(a).

Amended by R.2001 d.57, effective February 20, 2001.

See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

In (b), added references to certificates throughout.

5:73-1.6 Certifications required

(a) No person shall serve as a fire service instructor for any module or course which is approved or offered by the Division if such person does not possess a valid instructor certification and/or special instructor certificate required pursuant to this chapter for the teaching of such module or course. Except as may otherwise be expressly provided in this chapter, no course taught by any person not so certified shall serve as a basis for credit towards certification.

(b) No person shall be promoted into a fire service position the duties of which require the management of emergency operations if such person has not first obtained, at least, an Incident Management Level 1 certification, per N.J.A.C. 5:73-6.1(b).

(c) No fire service supervisor shall assume, nor be assigned to, any position the duties of which require the management of emergency operations unless such supervisor has obtained, at least, an Incident Management Level 1 certification, per N.J.A.C. 5:73-6.1(b).

(d) Exception to (b) and (c) above: Fire service personnel whose supervisory or management responsibilities are defined in a written fire department policy as being restricted to non-fire related activities, non-fire related rescue, or emergency medical care shall not be required to obtain Firefighter 1 certification as a prerequisite for Incident Management Level 1 certification.

Amended by R.1998 d.85, effective February 17, 1998.

See: 29 N.J.R. 3210(a), 30 N.J.R. 641(a).

Rewrote the section.
Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).
Rewrote (d).

5:73-1.7 Requirements for certification or a certificate

(a) Any candidate for certification or a certificate in any of the fire service areas pursuant to this chapter shall submit an application to the Office of Training and Certification in the Division of Fire Safety, accompanied by the required fee established at N.J.A.C. 5:73-1.10. The application shall include such information and documentation as the Office may require.

(b) The Office shall determine by examination of the application and review of any supporting documents, including any evidence of experience, training and/or education submitted whether an applicant is qualified for certification or a certificate for which the application has been made. If the application is satisfactory, the Office shall issue a certification or certificate to the applicant upon payment of the required fee. This certification or certificate will show that the person has met the established requirements and is entitled to be employed in the State in accordance with the provisions of these regulations. The Office may deny or refuse to issue a certification or certificate to an applicant upon proof that there has been any act or omission which would constitute grounds for revocation under this chapter.

Amended by R.1993 d.628, effective December 6, 1993.
See: 25 N.J.R. 4363(a), 25 N.J.R. 5466(a).
Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).
Added references to certificates throughout.

5:73-1.8 Replacement of certificate; reinstatement

(a) The Division shall issue, upon application, a duplicate certificate of any type and specialty upon a finding that the certification has been issued and the applicant is entitled to such certification to replace the one which has been lost, destroyed, or mutilated. Payment of a fee as may be established by the Commissioner shall be required.

(b) After revocation of a certification or certificate upon any of the grounds set forth in this chapter, the Division may not renew or reinstate such certification or certificate; however, a person may file a new application for a certification or certificate with the Division. When it can be shown that all loss caused by the act or omission for which the certification or certificate was revoked has been fully satisfied, that the applicant has been legally rehabilitated and that all conditions imposed by the decision of revocation have been complied with, the Division may issue a new certification or certificate.

(c) Fire Service Instructor (Reserved).

Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).
In (b), added references to certificates throughout.

5:73-1.9 Revocation of certification or certificate and alternative sanctions

(a) The Division may suspend and/or revoke a certification or certificate if the Department has determined that the holder:

1. Has obtained a certification or certificate by fraud or misrepresentation, or the person named in the certificate or certification has obtained it by fraud or misrepresentation;
2. Has fraudulently or deceitfully practiced as a certified or certificated firefighter or fire instructor;
3. Has been grossly negligent or has engaged in misconduct in the performance of any of his or her duties;
4. Has failed, over a period of time, to maintain a minimally acceptable level of competence;
5. Has failed to comply with any order issued by the Department;
6. Has made a false or misleading written statement, or has made a material omission in any submission to the Department; or
7. Has violated any provision of this chapter.

(b) The Division, in addition or as an alternative, as the case may be, to revoking or suspending a certification or certificate, or assessing a penalty, may issue a letter of warning, reprimand or censure with regard to any conduct that, in the judgment of the Department, warrants a letter of warning, reprimand or censure. Such letter, in addition to any other filing requirements, shall be made a part of the certification file of the individual.

1. In the case of any instructor certified or certificated pursuant to this chapter, the Commissioner shall be authorized to:
 - i. Issue compliance orders to persons and public entities in violation of this chapter;
 - ii. Petition the Superior Court for injunctive relief enforcing any compliance order;
 - iii. Levy and collect penalties of not more than \$500.00 for each offense outlined in (a) above; and
 - iv. Institute summary proceedings under the "penalty enforcement law," N.J.S.A. 2A:58-1 et seq., in the Superior Court to recover penalties previously levied.
2. Each day that a violation continues after notice to cease has been given by certified mail or personal service shall be deemed a separate violation.

(c) Conviction of a crime, or an offense in connection with the practice as a certified firefighter, fire officer or fire service instructor shall result in revocation of a certification.

Amended by R.1993 d.628, effective December 6, 1993.
See: 25 N.J.R. 4363(a), 25 N.J.R. 5466(a).

Amended by R.1998 d.85, effective February 17, 1998.
See: 29 N.J.R. 3210(a), 30 N.J.R. 641(a).
Rewrote the section.

Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

In (a) and (b), added references to certificates throughout.

5:73-1.10 (Reserved)

Amended by R.1997 d.123, effective March 17, 1997.
See: 28 N.J.R. 5124(a), 29 N.J.R. 869(a).

Substituted single fee for existing fee schedule.

Amended by R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

Added references to certificates throughout.

Repealed by R.2003 d.405, effective October 20, 2003.
See: 35 N.J.R. 46(a), 35 N.J.R. 4865(a).

Section was "Fees".

5:73-1.11 NFPA standards

Copies of National Fire Protection Association (NFPA) standards incorporated by reference in this chapter may be obtained by writing to: NFPA, 1 Batterymarch Park, Quincy, MA 02269.

New Rule, R.2003 d.77, effective February 18, 2003.
See: 34 N.J.R. 3599(b), 35 N.J.R. 1055(b).

SUBCHAPTER 2. EDUCATIONAL PROGRAMS AND FACILITIES

5:73-2.1 Standards for educational programs

(a) To carry out their responsibilities, fire service personnel must be fully knowledgeable and adequately prepared. This subchapter adopts standards for fire service training and education programs.

1. Programs for firefighters must meet certain standards to ensure firefighters have the necessary skills and knowledge which the specialized and hazardous nature of fire fighting requires.

2. Programs for fire service instructors must meet certain standards to ensure they have the knowledge and skills necessary to provide instruction for fire service members.

5:73-2.2 Eligible organizations

(a) A fire department or district, a combination of fire departments or districts, an institution of higher learning, the New Jersey State Fire College or a recognized governmental entity is eligible to submit an application to offer courses or modules which meet the requirements of this chapter.

1. To ensure accountability, any module or course for a firefighter 1 certification may only be offered by a fire department or district, a combination of fire departments or districts or a recognized governmental entity.

(b) An applicant for module or course approval shall have satisfied the following requirements:

1. All courses or modules offered shall meet the knowledge and skill content, hours of instruction and facility and equipment criteria set forth in this chapter;

2. Concerning instructors of courses for fire service personnel certification, all courses shall be taught by the level of instructor required by this chapter who have satisfied the requirements for certification set forth in N.J.A.C. 5:73-5.

3. A recordkeeping system required by the Office of Training and Certification including, but not limited to, attendance, course schedules and examination scores shall be maintained.

4. Course schedules shall be provided to the Office of Training and Certification indicating the course or modules being taught or proposed to be taught and the dates and times for the course or module offering.

5:73-2.3 Procedure for approving educational programs

(a) Any eligible institution or organization may submit to the Office of Training and Certification any course or module required by this chapter for approval. The application shall be submitted on a form prescribed by the Division at least 60 days prior to the first class session of the course and shall contain all the information specified in this section.

(b) Each application shall be submitted in the name of the institution or organization by a person authorized to do so. It shall contain the following minimum information:

1. The name of the course, program, or module;

2. A description of the length of each session, the frequency of the sessions and the total number of sessions;

3. An outline showing the course or program content by session;

4. A description of any texts or materials to be used. The description shall identify whether the text or materials will be mandatory or suggested.

5. The list of certified instructors who will teach each module or course for fire service courses;

6. An estimate of the number of times the course will be offered;

7. A statement that the institution or organization will notify the Office of Training and Certification if the program is withdrawn or changed at any time;

8. A statement that the institution or organization will conduct the course or program in accordance with this standard and will maintain such records as are herein required;

9. A statement of the charges the institution has established for the course program; and

10. The facilities where instruction will take place. The description shall identify any specialized structures which may be used for teaching the course.

(c) The Department shall have the right to undertake such reviews as may be necessary to verify the accuracy of an application, or conformity with this standard. The institution, by submitting an application, expressly agrees to cooperate in such reviews.

(d) Upon verification that the program or course will satisfy the educational program requirements, the Office of Training and Certification shall:

1. Issue a letter of approval to the institution or organization which letter shall contain any terms or conditions of such approval;

2. Place the name of the institution and the course on the Division's list of approved courses. That list shall be made available to the public.

i. Any approval shall be limited in that it is effective only as long as the course conforms to the application submitted and approved.

(e) Whenever a course or program has been approved by the Division, the institution or organization offering the course may include the statement "This course is approved for credit toward a certification issued by the Department of Community Affairs" in any catalog, bulletin or informational circulars. Whenever such a statement is included, however, the catalog, bulletin or circular shall also contain a statement describing precisely the nature and extent of the approval.

(f) The Office of Training and Certification may revoke its approval, after due notice and the opportunity to be heard, whenever it ascertains that a course has lapsed, is no longer in conformity with the requirements of this chapter or the terms of the Division's approval or for other good cause. Whenever approval has been revoked or a course or module has been withdrawn by an institution or organization, a new application and approval shall be required before the course or module may again be offered as providing credit toward a certification.

(g) Any institution or organization may submit an application for approval for a course administered after January 1, 1989 so that applicants may receive credit for it. Any such application shall be judged against the standards for programs established herein.

Amended by R.1993 d.628, effective December 6, 1993.
See: 25 N.J.R. 4363(a), 25 N.J.R. 5466(a).

5:73-2.4 Facility requirements

(a) In order to provide firefighter training, the facilities must be adequate. The requirements of this section are the minimum requirements for firefighter training facilities.

(b) Classroom Level A requirements are as follows:

1. A separate classroom for instruction shall be provided. The classroom size shall adequately accommodate the number of students.

i. For classroom training for modules for firefighter 1, a meeting hall or large room will be accepted as an alternative to a separate classroom.

2. The following are required:

i. Adequate lighting;

ii. A writing surface for each student;

iii. Sufficient chairs for students;

iv. A chalkboard, or large pad with easel;

v. Access to overhead projector and screen;

vi. Adequate space for each student;

vii. Comfortable room temperature;

viii. Access to sanitary facilities;

ix. Sufficient electrical outlets for use of training aids; and

x. The classroom must be in a quiet area, that is, removed from disturbances.

(c) Drill Area A requirements are as follows:

1. The area to be provided for drills shall be sufficient to allow hands-on practice by all students. Sufficient area shall be provided for the following activities:

i. The tying of knots;

ii. The carrying and raising of ladders;

iii. The rolling and loading, carrying and dragging and coupling of hose; and

iv. The practice of salvage operations.

2. The following practice aids shall be available:

i. A fire hydrant or other water source;

ii. A sprinkler connection or simulated sprinkler connection; and

iii. Simulated roof area and sufficient practice boards to practice venting through roofs.

3. The following materials shall be available:

i. Fire hose, couplings and tools as specified in N.J.A.C. 5:73-4.3(a)12vi;

(b) Prior to receiving a certification as firefighter I, firefighter candidates grade 1 and grade 2 may perform the designated functions after completing the following modules:

1. Upon successful completion of modules 1, 4a, 4b, 7a, 7b, 9a, 9b, 14a, 14b and 15 as described in N.J.A.C. 5:73-4.3, an individual shall receive a certification as a firefighter candidate grade 1 and may, under direct supervision, respond to fire alarms and assist in exterior firefighting involving laying and connecting hose lines and raising ladders.
2. Upon successful completion of modules 3a, 3b, 5a, 5b, 6a, 6b, 12a, 12b, 13, 16a, and 16b as described in N.J.A.C. 5:73-4.3, an individual shall receive a certification as a firefighter candidate grade 2 and may, under direct supervision, assist with all exterior fireground operations.
3. Upon successful completion of all modules in N.J.A.C. 5:73-4.3, an individual shall receive a certification as a firefighter I and may perform interior structural firefighting under direct supervision.

Administrative correction.
See: 36 N.J.R. 2207(a).

5:73-4.2 Firefighter I certification

(a) A certification for firefighter I shall be granted to an individual who is at least 18 years of age and has met any one of the following requirements:

1. Shall have been an active member of a fire department for a period of not less than 18 months prior to July 1, 1994. Proof of active membership in a fire department shall be verified by a letter from the chief of the department on fire department letterhead;
2. Shall have completed, prior to July 1, 1994, a course of instruction approved in accordance with N.J.A.C. 5:73-2.3(g); or
3. Has met all of the following requirements:
 - i. Has successfully completed all instructional modules listed in N.J.A.C. 5:73-4.3;
 - ii. Has taken and passed a written examination as established by N.J.A.C. 5:73-4.4(a); and
 - iii. Has successfully passed a skills test as established by N.J.A.C. 5:73-4.4(b).

Amended by R.1993 d.440, effective September 7, 1993.



See: 25 N.J.R. 1846(a), 25 N.J.R. 4071(b).

5:73-4.3 Training requirements

(a) An applicant for Firefighter 1 certification shall have satisfactorily completed instructional modules conforming to the following standards:

1. Module 1: Orientation/Fire Department Organization:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification or Adjunct Instructor certificate;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives: The Firefighter 1 candidate shall be able to describe the following:

(1) Fire department history, development;

(2) Organizational structure/chain of command;

(3) Firefighter candidate duties and responsibilities;

(4) Local department form of organization (municipal department, fire district, volunteer non-profit, other) and how it relates to local government structure;

(5) Area covered by local department geographical boundaries;

(6) Standard operating procedures of department;

(7) Training program overview;

(8) PEOSHA requirements;

(9) Familiarization of training facilities;

(10) New Jersey Motor Vehicle Laws with respect to emergency vehicles and blue light law;

(11) Right-to-know law;

(12) Fire Prevention and public education; and

(13) Current Federal, State and local laws, regulations and standards impacting firefighters except those covered specifically in other provisions of this section;

vi. Required materials:

(1) Sample ordinance, certificate of incorporation or other document creating fire department;

(2) Sample map showing geographical boundaries of fire department;

(3) "Right to Know" brochure;

(4) Copy of Hazardous Substance Fact Sheet; and

(5) Copy of pertinent Federal, State and local laws, regulations and standards.

2. Module 2: Incident Management System:

i. Facility required: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor required: Instructor Level 1 certification or IMS Adjunct Instructor;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall be able to list the five major organizational activities within the incident management system;

(2) The Firefighter 1 candidate shall be able to give the titles and duties of the command and general staffs;

(3) The Firefighter 1 candidate shall be able to list organizational units within the appropriate incident management section; and

(4) The Firefighter 1 candidate shall be able to list the major incident facilities and their functions;

vi. Required materials:

(1) National Wildfire Coordinating Group student manual "ICS Orientation";

3. Module 3a: Forcible Entry:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall explain reasons for forcible entry;

(2) The Firefighter 1 candidate shall identify the major function and use of the following classes of forcible entry tools:

(A) Cutting tools:

(I) Axes;

(II) Handsaws;

(III) Power saws; and

(IV) Metal cutting devices;

(B) Prying tools:

(I) Manual prying tools; and

(II) Hydraulic prying tools;

(C) Pushing/pulling tools;

(D) Striking tools;

(E) Combination tools; and

(F) All other tools used by the local jurisdiction.

(3) The Firefighter 1 candidate shall demonstrate and explain safety requirements for tool usage and carrying;

(4) The Firefighter 1 candidate shall demonstrate maintenance and inspection of tools;

(A) Care of tools.

(5) The Firefighter 1 candidate shall demonstrate methods of forcible entry:

(A) Through doors;

(B) Through windows;

(C) Through roofs;

(D) Through floors and ceilings; and

(E) Through walls;

(6) The Firefighter 1 candidate shall describe forcible entry safety precautions;

vi. Required materials:

(1) Cutting tools:

(A) Axes;

(B) Hand saws;

(C) Power saws; and

(D) Metal cutting devices.

(2) Prying tools:

(A) Manual prying tools; and

(B) Hydraulic prying tools.

(3) Pushing/pulling tools;

(4) Striking tools;

(5) Combination tools; and

(6) All other tools used by the local fire department.

4. Module 3b—Forcible Entry Drill:

i. Facility requirements: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: three drill hours;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification;

(1) The Firefighter 1 candidate, given two different forcible entry scenarios, shall select the proper tool(s) needed and demonstrate how to effect entry;

(A) Cutting tools:

(I) Axes;

(II) Hand saws;

(III) Power saws; and

(IV) Metal cutting devices;

(B) Prying tools:

(I) Manual prying tools; and

(II) Hydraulic prying tools;

(C) Pushing/pulling tools;

(D) Striking tools; and

(E) Combination tools;

(2) The Firefighter 1 candidate, when given two scenarios, shall demonstrate various methods of opening selected types of windows;

(3) The Firefighter 1 candidate, when given two scenarios, shall describe the safety issues involved and how to perform the activity safely;

(4) The Firefighter 1 candidate, when given two forcible entry tools, shall demonstrate the appropriate after use tool care;

vi. Required materials and tools:

(1) Cutting tools:

(A) Axes;

(B) Hand saws;

(C) Power saws; and

(D) Metal cutting devices;

(2) Prying tools:

(A) Manual prying tools; and

(B) Hydraulic prying tools;

(3) Pushing/pulling tools;

(4) Striking tools;

(5) Combination tools; and

(6) All other tools used by the local jurisdiction;

vii. Prerequisite(s):

(1) Module 3a—Forcible Entry;

- (2) Module 14a—Safety; and
- (3) Module 14b—Safety Drill.
5. Module 4a—Self-contained Breathing Apparatus:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;
 - iii. Examination: written;
 - iv. Hours required: three classroom hours;
 - v. Objectives:
 - (1) The Firefighter 1 candidate shall explain respiratory hazards encountered by firefighters;
 - (2) The Firefighter 1 candidate shall describe types of required breathing apparatus;
 - (3) The Firefighter 1 candidate shall describe the mechanical operating procedures for self-contained breathing equipment;
 - (4) The Firefighter 1 candidate shall demonstrate inspection, testing and servicing procedures for breathing equipment;
 - (5) The Firefighter 1 candidate shall explain the physical requirements of wearer;
 - (6) The Firefighter 1 candidate shall explain major components, purpose, use and limitations of breathing equipment;
 - (7) The Firefighter 1 candidate shall demonstrate various methods of donning, doffing and restoring to use self-contained breathing equipment;
 - (8) The Firefighter 1 candidate shall explain safety rules for use of self-contained breathing equipment;
 - (9) The Firefighter 1 candidate shall explain emergency operating techniques; and
 - (10) The Firefighter 1 candidate shall explain the current respiratory protection standards including Right-to-Know and the OSHA Respiratory Standard, 29 CFR 1910.134;
 - vi. Required materials:
 - (1) PEOSHA approved self-contained breathing apparatus for demonstration;
 - (2) OSHA Respiratory Protection Standard, 29 CFR 1910.134, and Hazardous Materials Standard, 29 CFR 1910.120;
 - (3) Right-to-Know Standard, N.J.A.C. 8:59-6; and
 - (4) PEOSHA Standard, N.J.A.C. 12:100;
6. Module 4b—Self-contained Breathing Apparatus Drill 1:
- i. Facility Requirements: Drill Area Level A per N.J.A.C. 5:73-2.4(c);
 - ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;
 - iii. Examination: skills test;
 - iv. Hours required: three drill hours;
 - v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification;
 - (1) The Firefighter 1 candidate shall demonstrate appropriate donning and doffing of self-contained breathing apparatus in full turn out gear;
 - (2) The Firefighter 1 candidate shall demonstrate after use care, maintenance and testing of self-contained breathing apparatus;
 - (3) The Firefighter 1 candidate shall demonstrate operation of self-contained breathing apparatus;
 - (4) The Firefighter 1 candidate shall identify the major components of self-contained breathing apparatus; and
 - (5) The Firefighter 1 candidate shall demonstrate emergency operating techniques;
 - vi. Required materials and tools:
 - (1) PEOSHA-approved self-contained breathing apparatus for each student; and
 - (2) PEOSHA-approved personal protective clothing for each student;
 - vii. Prerequisites:
 - (1) Module 4a—Self-contained Breathing Apparatus;
 - (2) Module 14a—Safety; and
 - (3) Module 14b—Safety Drill;
7. Module 4c—Self-contained Breathing Apparatus Drill 2:
- i. Facility requirements: Smoke building per N.J.A.C. 5:73-2.4(f);
 - ii. Instructor requirements: Instructor Level 2 certification and SCBA/Smokehouse certificate;
 - iii. Examinations: skills test;
 - iv. Hours required: three drill hours;
 - v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification;

(1) While wearing self-contained breathing apparatus and full personal protective equipment, the Firefighter 1 candidate shall demonstrate search and rescue techniques as a member of a team under simulated conditions:

- (A) One room search; and
- (B) Whole building search; and

(2) While wearing self-contained breathing apparatus and full protective equipment, the Firefighter 1 candidate shall demonstrate use of the apparatus and equipment in a dense smoke environment;

vi. Required materials and tools:

(1) PEOSHA-approved self-contained breathing apparatus for each student; and

(2) PEOSHA-approved personal protective clothing for each student;

vii. Prerequisites:

(1) Module 4a—Self-contained Breathing Apparatus;

(2) Module 4b—Self-contained Breathing Apparatus Drill 1;

(3) Module 14a—Safety; and

(4) Module 14b—Safety Drill.

8. Module 5a—Ropes and Knots:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one-half-hour classroom;

v. Objectives:

(1) The Firefighter 1 candidate shall explain the use of rope in the fire service;

(2) The Firefighter 1 candidate shall explain the care, storage and maintenance of rope;

(3) The Firefighter 1 candidate shall explain the uses of the following knots:

- (A) Single overhand knot;
- (B) Becket bend;
- (C) Clove hitch;
- (D) Figure 8 family; and
- (E) Bowline;

(4) The Firefighter 1 candidate shall describe the following types of rope:

(A) Life Safety rope; and

(B) Utility rope;

(5) The Firefighter 1 candidate shall describe the following rope materials:

(A) Natural fiber; and

(B) Synthetic;

(6) The Firefighter 1 candidate shall describe rope construction:

(A) Dynamic;

(B) Static;

(C) Laid (twisted) rope;

(D) Braided rope;

(E) Braid-on-braid (double-braided) rope; and

(F) Kernmantle rope;

(7) The Firefighter 1 candidate shall describe methods of using rope to hoist and use of edge protection tools;

vi. Required materials:

(1) Pieces of practice rope at least six feet in length;

(2) One or more 100 feet or longer sections of one-half inch rope;

(3) Sample edge protectors; and

(4) Samples of the various types of rope described.

9. Module 5b—Ropes and Knots Drill:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: two and one-half drill hours

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate shall demonstrate procedures for inspecting rope;

(2) The Firefighter 1 candidate shall demonstrate tying the following knots;

(A) Single overhand knot;

(B) Becket band;

(C) Clove hitch;

- (D) Figure 8 family; and
- (E) Bowline;
- (3) The Firefighter 1 candidate shall demonstrate storing, bagging and coiling rope;
- (4) The Firefighter 1 candidate shall, given a scenario, using an approved knot, hoist a forcible entry tool to a height of at least 20 feet;
- vi. Required materials and tools:
 - (1) Pieces of practice rope; and
 - (2) One or more 100 feet or longer sections of one-half inch rope;
- vii. Prerequisites:
 - (1) Module 5a—Ropes and Knots;
 - (2) Module 14a—Safety; and
 - (3) Module 14b—Safety Drill.
- 10. Module 6a—Salvage and Overhaul:
 - i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Instructor Level 1 certification;
 - iii. Examination: written;
 - iv. Hours required: One classroom hour;
 - v. Objectives:
 - (1) The Firefighter 1 candidate shall explain the definition and purpose of salvage and overhaul;
 - (2) The Firefighter 1 candidate shall explain salvage and overhaul terminology;
 - (3) The Firefighter 1 candidate shall describe salvage organization and duties;
 - (4) The Firefighter 1 candidate shall identify various types of salvage equipment, including covers and tools;
 - (5) The Firefighter 1 candidate shall explain methods of inspecting, cleaning, maintaining and storing salvage equipment;
 - (6) The Firefighter 1 candidate shall describe methods of folding and spreading salvage covers;
 - (7) The Firefighter 1 candidate shall describe methods of handling water removal and handling water run-off including natural and mechanical means;
 - (8) The Firefighter 1 candidate shall describe techniques for removing debris from the building and restoring the premises;
 - (9) The Firefighter 1 candidate shall describe techniques for searching hidden fires;
 - (10) The Firefighter 1 candidate shall explain the significance of area of origin and evidence preservation;
 - (11) The Firefighter 1 candidate shall explain the purpose of thermal imaging/heat sensing equipment; and
 - (12) The Firefighter 1 candidate shall explain safety precautions during overhaul.
- 11. Module 6b—Salvage and Overhaul Drill:
 - i. Facility requirements: Drill Area A per N.J.A.C. 5:73-2.4(c);
 - ii. Instructor requirements: Instructor Level 1 certification;
 - iii. Examination: skills test;
 - iv. Hours required: three drill hours;
 - v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification.
 - (1) The Firefighter 1 candidate, given a scenario, shall select, place and then fold the proper salvage covers;
 - (2) The Firefighter 1 candidate, given a scenario, shall demonstrate proper procedures for inspecting, cleaning, maintaining and storing salvage equipment;
 - (3) The Firefighter 1 candidate, given a scenario, shall demonstrate methods of removing and routing water from a structure;
 - (4) The Firefighter 1 candidate, given a scenario, shall demonstrate the construction and use of a water chute and catch all; and
 - (5) The Firefighter 1 candidate, given a scenario, shall explain the use of thermal imaging/heat sensing equipment.
 - vi. Required materials:
 - (1) Salvage covers of assorted sizes;
 - (2) Pumps/water vacuums;
 - (3) Thermal imaging/heat sensing equipment; and
 - (4) Hand tools as required;
 - vii. Prerequisites:
 - (1) Module 6a—Salvage and Overhaul;
 - (2) Module 14a—Safety; and
 - (3) Module 14b—Safety Drill.

12. Module 7a—Fire Hose, Appliances and Adapters:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall describe the various types, construction and use of hose;

(2) The Firefighter 1 candidate shall describe inspection and maintenance of hose;

(3) The Firefighter 1 candidate shall describe various types and uses of coupling adapters;

(4) The Firefighter 1 candidate shall describe advancing and operating various hose lines;

(5) The Firefighter 1 candidate shall describe hydrant hookup and operation;

(6) The Firefighter 1 candidate shall describe types of hose lays;

(7) The Firefighter 1 candidate shall describe various hose carries, drags and rolls;

(8) The Firefighter 1 candidate shall describe various techniques of connecting hose to standpipe and operating hose from a standpipe;

(9) The Firefighter 1 candidate shall describe the safe methods of replacing burst section or extending a hose line;

(10) The Firefighter 1 candidate shall describe various techniques of advancing a hose up a ladder and hoisting hose;

(11) The Firefighter 1 candidate shall describe various methods and techniques of connecting hose to and advancing a hose from a pumper;

(12) The Firefighter 1 candidate shall describe methods of loading fire hose on an apparatus;

(13) The Firefighter 1 candidate shall describe the purpose of various adapters and appliances utilized by the authority having jurisdiction as well as local mutual aid companies;

(14) The Firefighter 1 candidate shall describe the need for edge protection; and

(15) The Firefighter 1 candidate shall describe the need for hose ramps.

13. Module 7b—Fire Hose, Appliances and Adapters Drill 1:

i. Facility requirements: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: three drill hours;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the areas listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate, when given a scenario, shall demonstrate the connection of a fire hose to a hydrant and apparatus or apparatus mock-up;

(2) The Firefighter 1 candidate, when given a scenario, shall demonstrate the proper procedure for cleaning hose, adapters, couplings and nozzles;

(3) The Firefighter 1 candidate, when given a scenario, shall demonstrate inspecting hose for damage;

(4) The Firefighter 1 candidate shall demonstrate selected hose rolls;

(5) The Firefighter 1 candidate shall demonstrate selected hose carries;

(6) The Firefighter 1 candidate shall demonstrate selected hose drags;

(7) The Firefighter 1 candidate shall demonstrate hose lays;

(8) The Firefighter 1 candidate shall demonstrate the use of a hose roller or other edge protection devices;

(9) The Firefighter 1 candidate, when given a scenario, shall select and connect the proper hose adaptors and appliances;

(10) The Firefighter 1 candidate shall demonstrate the loading and unloading of a hose on the fire apparatus or hose bed mock-up; and

(11) The Firefighter 1 candidate shall demonstrate making hose connections;

vi. Required materials:

(1) Several hundred feet of various type of hose use locally;

(2) Various types of nozzles;

(3) Fire hydrant;

(4) Fire apparatus or hose bed mock-up;

(5) Hose tools, appliances and adapters; and

(6) Edge protection devices;

vii. Prerequisites:

- (1) Module 7a—Fire Hose Appliances and Adapters;
- (2) Module 14a—Safety; and
- (3) Module 14b—Safety Drill.

14. Module 7c—Fire Hose, Appliances and Adapters Drill 2:

- i. Facility requirements: Drill Tower per N.J.A.C. 5:73-2.4(g);
- ii. Instructor requirements: Instructor Level 2 certification;
- iii. Examination: skills test;
- iv. Hours required: six drill hours;
- v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate, given the necessary equipment and operating as a member of a team, shall advance dry hose lines of two different sizes, both of which shall be one and one-half inch or larger from a pumper:

- (A) Into a structure;
- (B) Up a ladder into an upper floor window;
- (C) Up a stairway to an upper floor;
- (D) Down a stairway to a lower floor;
- (E) To an upper floor by hoisting;

(2) The Firefighter 1 candidate, given the necessary equipment and operating as a member of a team, shall advance a charged attack line of one and one-half inch or larger from a pumper and flow water:

- (A) Into a structure;
- (B) Up a ladder into an upper floor window;
- (C) Up a stairway to an upper floor;
- (D) Down a stairway to a lower floor; and
- (E) To an upper floor by hoisting;

(3) The Firefighter 1 candidate shall demonstrate working from a ladder with a charged attack line which shall be one and one-half inch or larger;

vi. Required materials:

- (1) Several hundred feet of hose used locally;
- (2) Extension ladders;
- (3) Hose tools;

- (4) Nozzles;
- (5) Appliances and adapters;
- (6) Rope; and
- (7) Edge protection devices;

vii. Prerequisites:

- (1) Module 7a—Fire Hose, Appliances and Adapters;
- (2) Module 7b—Fire Hose, Appliances and Adapters Drill 1;
- (3) Module 8a—Fire Streams and Nozzles;
- (4) Module 8b—Fire Streams and Nozzles Drill 1;
- (5) Module 14a—Safety;
- (6) Module 14b—Safety Drill;
- (7) Module 9a—Ladders;
- (8) Module 9b—Ladder Drill 1; and
- (9) Module 9c—Ladder Drill 2.

15. Module 8a—Fire Streams and Nozzles:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall define fire streams and fire stream technology;

(2) The Firefighter 1 candidate shall describe the requirements, principles and characteristics and methods of producing fire streams;

(3) The Firefighter 1 candidate shall describe the design, use and operation of various types and sizes of nozzles;

(4) The Firefighter 1 candidate shall explain the characteristics and use of water and foam as extinguishing agents;

(5) The Firefighter 1 candidate shall explain the operation and use of various types of nozzles:

- (A) Solid stream;
- (B) Fog stream;
- (C) Broken stream; and
- (D) Specialty nozzles used locally;

(6) The Firefighter 1 candidate shall define conditions that cause pressure loss in hose; and

(7) The Firefighter 1 candidate shall define water hammer and means of prevention;

vi. Required materials:

(1) Several hundred feet of various types of hose used locally;

(2) Various types of nozzles;

(3) Fire hydrant;

(4) Fire apparatus or hose bed mock-up;

(5) Hose tools, appliances and adapters; and

(6) Edge protection devices;

vii. Prerequisites:

(1) Module 7a—Fire Hose, Appliances and Adapters;

(2) Module 7b—Fire Hose, Appliances and Adapters Drill 1;

(3) Module 14a—Safety; and

(4) Module 14b—Safety Drill;

16. Module 8b—Fire Streams and Nozzles Drill:

i. Facility requirements: Drill Area A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level I certification;

iii. Examination: skills test;

iv. Hours required: three drill hours;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) Given the following types of nozzles, the Firefighter 1 candidate shall select the proper size and type nozzle for a given scenario:

(A) Solid stream;

(B) Fog stream;

(C) Broken stream; and

(D) Specialty nozzles used locally;

vi. Required materials:

(1) Several hundred feet of various types of hose used locally;

(2) Various types of nozzles;

(3) Fire hydrant;

(4) Fire apparatus or hose bed mock-up;

(5) Hose tools, appliances and adapters; and

(6) Edge protection devices;

vii. Prerequisites:

(1) Module 7a—Fire Hose, Appliances and Adapters;

(2) Module 7b—Fire Hose, Appliances and Adapters Drill 1;

(3) Module 8a—Fire Streams and Nozzles;

(4) Module 8b—Fire Streams and Nozzles Drill 1;

(5) Module 14a—Safety;

(6) Module 14b—Safety Drill;

(7) Module 9a—Ladders;

(8) Module 9b—Ladder Drill 1; and

(9) Module 9c—Ladder Drill 2.

17. Module 9a—Ladders:

i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one classroom hour;

v. Objectives:

(1) The Firefighter 1 candidate shall describe the various types of ladders and ladder terminology;

(2) The Firefighter 1 candidate shall describe ladder construction and use;

(3) The Firefighter 1 candidate shall describe methods of ladder visual inspection and maintenance;

(4) The Firefighter 1 candidate shall describe methods of removing ladders from apparatus;

(5) The Firefighter 1 candidate shall describe methods of carrying ladders safely;

(6) The Firefighter 1 candidate shall explain proper ladder placement;

(7) The Firefighter 1 candidate shall describe methods of climbing ladders;

(8) The Firefighter 1 candidate shall describe methods of securing ladders;

(9) The Firefighter 1 candidate shall explain equipment and techniques to safely work while on ladders;

(10) The Firefighter 1 candidate shall describe method of assisting victims down a ladder, ladder rescue; and

- (11) The Firefighter 1 candidate shall explain factors affecting ladder safety.
18. Module 9b—Ladders Drill 1:
- i. Facility requirements: Drill Area Level A per N.J.A.C. 5:73-2.4(c);
 - ii. Instructor requirements: Instructor Level 1 certification;
 - iii. Examination: skills test;
 - iv. Hours required: three drill hours;
 - v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using evaluation forms approved by the Office of Training and Certification.
 - (1) The Firefighter 1 candidate shall demonstrate visual inspection for different types of ladders;
 - (2) The Firefighter 1 candidate shall demonstrate proper procedure for cleaning ladders after use;
 - (3) The Firefighter 1 candidate, as a team member, shall demonstrate various ladder carries;
 - (4) The Firefighter 1 candidate shall raise the following ladders as an individual or as part of a team:
 - (A) Flat raise;
 - (B) Beam raise; and
 - (C) Under overhead obstruction raise;
 - vi. Required materials:
 - (1) Assorted ladders; and
 - (2) Rope;
 - vii. Prerequisites:
 - (1) Module 9a—Ladders;
 - (2) Module 14a—Safety; and
 - (3) Module 14b—Safety Drill.
19. Module 9c—Ladders Drill 2:
- i. Facility required: Drill Tower per N.J.A.C. 5:73-2.4(g);
 - ii. Instructor required: Instructor Level 2 certification;
 - iii. Examination: skills test;
 - iv. Hours required: six drill hours;
 - v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification.
 - (1) The Firefighter 1 candidate, given a scenario, shall select, raise, secure and climb the full-length of the appropriate ladder(s):
 - (A) 12-foot or longer roof ladder; and
 - (B) 24-foot or longer extension ladder;
 - (2) The Firefighter 1 candidate, given a scenario, shall select the proper tool and/or ladder to accomplish the scenario. The Firefighter 1 candidate shall climb the full length of a 24-foot or longer ladder carrying the following firefighting tools:
 - (A) Axe;
 - (B) Pike pool; and
 - (C) Halligan tool;
 - (3) The Firefighter 1 candidate, given a scenario, shall select the proper ladders to place a roof ladder on a pitched roof; and
 - (4) The Firefighter 1 candidate, given a scenario, shall select the proper ladder and tools and demonstrate the methods of working from a ladder with and without a life belt;
 - vi. Required materials:
 - (1) Ladders of the following sizes:
 - (A) 12-foot or longer roof ladder; and
 - (B) 24-foot or longer extension ladder;
 - (2) Ladder belt;
 - (3) Small entry tools; and
 - (4) Rope;
 - vii. Prerequisites:
 - (1) Module 9a—Ladders;
 - (2) Module 9b—Ladders Drill 1;
 - (3) Module 14a—Safety;
 - (4) Module 14b—Safety Drill;
 - (5) Module 5a—Ropes and Knots; and
 - (6) Module 5b—Ropes and Knots Drill.
20. Module 10a—Building Construction and Ventilation:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;
 - iii. Examination: written;
 - iv. Hours required: three classroom hours;
 - v. Objectives:

(1) The Firefighter 1 candidate shall describe the common types of building construction;

(2) The Firefighter 1 candidate shall identify fire-fighting hazards related to the common types of building construction;

(3) The Firefighter 1 candidate shall identify the various types of roof construction and their impact on firefighting and ventilation;

(4) The Firefighter 1 candidate shall explain the significance of truss roof/floor signs and their importance;

(5) The Firefighter 1 candidate shall identify the various types of wall/floor construction and their impact on firefighting;

(6) The Firefighter 1 candidate shall identify the various types of windows and doors and their impact on access, firefighting and ventilation;

(7) The Firefighter 1 candidate shall define ventilation;

(8) The Firefighter 1 candidate shall explain the principles and methods of natural, hydraulic and mechanical ventilation;

(9) The Firefighter 1 candidate shall explain the advantages of ventilation;

(10) The Firefighter 1 candidate shall describe ventilation safety precautions; and

(11) The Firefighter 1 candidate shall describe vertical and horizontal ventilation;

21. Module 10b—Building Construction and Ventilation Drill:

i. Facility requirements: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;

iii. Examination: skills test;

iv. Hours required: three drill hours;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification;

(1) The Firefighter 1 candidate, given a scenario, shall demonstrate proper method of creating a ventilation opening in a roof and in a window;

(2) The Firefighter 1 candidate, given a scenario, shall demonstrate proper techniques of horizontal ventilation;

(3) The Firefighter 1 candidate, given a scenario, shall demonstrate proper techniques of mechanical ventilation;

(4) The Firefighter 1 candidate, given a scenario, shall demonstrate proper techniques of vertical ventilation;

(5) The Firefighter 1 candidate, given a scenario, shall demonstrate proper techniques of hydraulic ventilation;

vi. Prerequisites:

(1) Module 4a—Protective Breathing Apparatus;

(2) Module 4b—Protective Breathing Apparatus Drill 1;

(3) Module 10a—Building Construction and Ventilation;

(4) Module 3a—Forcible Entry;

(5) Module 3b—Forcible Entry Drill;

(6) Module 7a—Fire Hose, Appliances and Adapters;

(7) Module 7b—Fire Hose, Appliances and Adapters Drill;

(8) Module 9a—Ladders;

(9) Module 9b—Ladders Drill 1;

(10) Module 9c—Ladders Drill 2;

(11) Module 14a—Safety; and

(12) Module 14b—Safety Drill;

vii. Required materials:

(1) Various hand and power tools as used by the authority having jurisdiction;

(2) Various ground ladders as used by the authority having jurisdiction;

(3) Various types of hoses, nozzles, fittings, and adapters as used by the authority having jurisdiction; and

(4) PEOSHA-approved SCBA and personal protective equipment.

22. Module 11a—Search and Rescue:

i. Facility requirement: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirement: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall explain various situations requiring search and rescue operations;

(2) The Firefighter 1 candidate shall describe safety precautions during search and rescue;

(3) The Firefighter 1 candidate shall identify types and uses of rescue tools;

(4) The Firefighter 1 candidate shall describe search and rescue procedures and techniques;

(5) The Firefighter 1 candidate shall describe methods of removing victims from hazard; and

(6) The Firefighter 1 candidate shall describe elevator evacuation;

vi. Prerequisites:

(1) Module 4a—Protective Breathing Apparatus;

(2) Module 4b—Protective Breathing Apparatus Drill 1;

(3) Module 9c—Ladder Drill 2;

(4) Module 14a—Safety Drill;

(5) Module 14b—Safety Drill; and

(6) Module 15—Fire Behavior.

23. Module 11b—Search and Rescue Drill:

i. Facility required: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: three drill hours;

v. Subject areas: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate, given a scenario, shall demonstrate various methods of locating victims;

(2) The Firefighter 1 candidate, given a scenario, shall demonstrate the various lifts, carries, and drags:

(A) Cradle-in-arms lift/carry;

(B) Extremities lift/carry;

(C) Blanket drag;

(D) Seat lift/carry;

(E) Two or three person lift/carry;

(F) Chair lift/carry-two persons;

(G) Incline drag; and

(H) Moving a victim onto a long board or litter;

(3) The Firefighter 1 candidate shall climb the full length of a 24 foot or longer ladder and demonstrate bringing down an injured person (using training aid dummy).

vi. Required materials:

(1) Rope;

(2) Pike poles;

(3) Blankets;

(4) Stretchers;

(5) Ladders;

(6) Training aid dummy;

(7) Long board;

(8) Litter; and

(9) Thermal imaging camera;

vii. Prerequisites:

(1) Module 4a—Protective Breathing Apparatus;

(2) Module 4b—Protective Breathing Apparatus Drill 1;

(3) Module 9c—Ladder Drill 2;

(4) Module 15—Fire Behavior;

(5) Module 11a—Rescue;

(6) Module 9a—Ladders;

(7) Module 9b—Ladders Drill 1;

(8) Module 5a—Ropes and Knots;

(9) Module 5b—Ropes and Knots Drill;

(10) Module 14a—Safety;

(11) Module 14b—Safety Drill;

(12) Module 15—Fire Behavior;

(13) Module 10a—Ventilation; and

(14) Module 10b—Ventilation Drill.

24. Module 12a—Sprinklers:

i. Facility required: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one classroom hour;

v. Objectives:

(1) The Firefighter 1 candidate shall identify and describe the various types and components of sprinkler system;

(2) The Firefighter 1 candidate shall identify and describe the various types of and operation of sprinkler heads;

(3) The Firefighter 1 candidate shall identify and describe the purpose and operation of fire department sprinkler connection;

(4) The Firefighter 1 candidate shall identify and describe the purpose and operation of waterflow alarms; and

(5) The Firefighter 1 candidate shall identify and describe the considerations associated with shutting down a sprinkler system.

25. Module 12b—Sprinkler Drill:

i. Facility required: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: one drill hour;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance shall be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate shall demonstrate the operation of and connection to a fire department connection; and

(2) The Firefighter 1 candidate shall demonstrate shutting down individual heads using a wedge or sprinkler tongs;

vi. Required materials:

(1) Sprinkler head mounted for shut downs; and

(2) Wedge or sprinkler tongs to shut down heads;

vii. Prerequisite: Module 12a—Sprinklers.

26. Module 13—Fire Alarms and Communications:

i. Facility required: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification or Adjunct Instructor certificate;

iii. Examination: written;

iv. Hours required: one classroom hour;

v. Objectives:

(1) The Firefighter 1 candidate shall identify and describe the various procedures for the public or an emergency responder to report a fire or other emergency;

(2) The Firefighter 1 candidate shall identify and describe the various procedures for receiving and transmitting an alarm;

(3) The Firefighter 1 candidate shall identify and describe types and basic operation of the various alarm systems including detection and transmission;

(4) The Firefighter 1 candidate shall identify and describe the organization and operation of county/local communications systems;

(5) The Firefighter 1 candidate shall identify and describe the purpose, operations and capabilities of the enhanced 9-1-1 system;

vi. Required materials:

(1) Local radio operating procedures; and

(2) County radio operating procedures where applicable.

27. Module 14a—Safety:

i. Facility required: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: two classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall identify and describe structural firefighter's personal protective equipment use, maintenance, donning, wearing, capabilities and regulated regulatory requirements:

(A) PEOSHA requirements; and

(B) Right to know requirements;

(2) The Firefighter 1 candidate shall identify and describe the various types and causes of occupational injuries;

(3) The Firefighter 1 candidate shall identify and describe the proper methods of going to and from an emergency incident:

(A) Mounting an apparatus;

(B) Riding apparatus;

(C) Dismounting an apparatus; and

(D) Responding in a personally-owned vehicle;

(4) The Firefighter 1 candidate shall describe various hazards at an emergency scene and state proper methods for avoiding, guarding and/or removing hazards;

(5) The Firefighter 1 candidate shall identify and describe safety procedures for the following:

- (A) Incident Management System;
- (B) Emergency Evacuation Signal;
- (C) Firefighter Assistance and Search Teams.

28. Module 14b—Safety Drill:

i. Facility required: Drill Area Level A per N.J.A.C. 5:73-2.4(c);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: one hour drill;

v. Objectives: The Firefighter 1 candidate must be able to perform the skill in the area listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate shall identify and describe the methods of inspection and maintenance for each article of personal protective equipment;

(2) The Firefighter 1 candidate shall demonstrate donning personal protective equipment in the proper manner; and

(3) The Firefighter 1 candidate shall demonstrate proper procedures for mounting, using restraining devices and demounting a vehicle;

vi. Required materials and tools:

(1) PEOSHA approved personal protective clothing for each student; and

(2) Fire apparatus;

vii. Prerequisite: Module 14a—Safety.

29. Module 15—Fire Behavior:

i. Training facility: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours;

v. Objectives:

(1) The Firefighter 1 candidate shall describe the basic theory of combustion;

(A) Fire triangle/tetrahedron; and

(B) Heat sources;

(2) The Firefighter 1 candidate shall describe the stages of a fire;

(3) The Firefighter 1 candidate shall describe the types and method of heat transfer;

(4) The Firefighter 1 candidate shall describe the various products of combustion;

(5) The Firefighter 1 candidate shall describe the common paths of fire spread;

(6) The Firefighter 1 candidate shall identify and describe the four classes of fire;

(7) The Firefighter 1 candidate shall describe the four fire extinguishment theories; and

(8) The Firefighter 1 candidate shall explain thermal layering/balance.

30. Module 16a—Portable Fire Extinguishers:

i. Training facility: Classroom Level A per N.J.A.C. 5:73-2.4(b);

ii. Instructor level: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one classroom hour;

v. Objectives:

(1) The Firefighter 1 candidate shall explain and describe the fire extinguisher rating system;

(2) The Firefighter 1 candidate shall describe the various types of fire extinguishers and how to select extinguishers for various types of fires;

(3) The Firefighter 1 candidate shall describe the capabilities, advantages and limitations of various extinguishers;

(4) The Firefighter 1 candidate shall describe how to identify damaged or obsolete extinguishers;

(5) The Firefighter 1 candidate shall describe the proper care and visual inspection of fire extinguishers; and

(6) The Firefighter 1 candidate shall describe the various types of extinguishing agents and their use;

vi. Prerequisites:

(1) Module 15—Fire Behavior.

31. Module 16b—Fire Extinguisher Drill:

i. Facility requirements: Live Burn Facility per N.J.A.C. 5:73-2.4(h);

ii. Instructor requirements: Instructor Level 2 Certification, and live burn certificate;

- iii. Examination: skills test;
- iv. Hours required: two drill hours;
- v. Objectives: The Firefighter 1 candidate must be able to perform the skills in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification.

(1) The Firefighter 1 candidate shall demonstrate by the use of two of the following portable extinguishers and by actual demonstration of one of the following on both a Class A and a Class B fire:

- (A) Stored pressure water extinguisher;
- (B) Aqueous film forming foam extinguisher;
- (C) Carbon dioxide extinguishers; and
- (D) Dry chemical extinguishers; and

(2) The Firefighter 1 candidate shall demonstrate visual inspection of a selected fire extinguisher.

32. Module 17a—Fire Control:

- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
- ii. Instructor requirements: Instructor Level 1 certification;
- iii. Examination: written test;
- iv. Hours required: six classroom hours;
- v. Objectives:

(1) The Firefighter 1 candidate shall describe the suppression of Class A fires;

- (A) Stream selection;
- (B) Hoseline selection;
- (C) Direct attack; and
- (D) Indirect attack;

(2) The Firefighter 1 candidate shall describe the suppression of Class B fires;

- (A) Using water to control Class B fires;
 - (I) Colling agent;
 - (II) Mechanical tool;
 - (III) Substitute medium;
 - (IV) Protective cover;
- (B) Bulk fires; and
- (C) Control of gas utilities;

(3) The Firefighter 1 candidate shall describe the suppression of Class C fires;

(4) The Firefighter 1 candidate shall describe the suppression of Class D fires;

(5) The Firefighter 1 candidate shall describe basic fire company tactics;

(6) The Firefighter 1 candidate shall describe the issues related to fires in upper levels of structures;

(7) The Firefighter 1 candidate shall describe the issues related to fires below grade in structures;

(8) The Firefighter 1 candidate shall describe the issues related to fires at properties with fixed systems;

(9) The Firefighter 1 candidate shall describe the issues related to vehicle fires:

- (A) Basic procedures; and
- (B) Vehicle hazards;

(10) The Firefighter 1 candidate shall describe the issues related to trash and trash containers;

(11) The Firefighter 1 candidate shall describe the issues related to confined space emergencies; and

(12) The Firefighter 1 candidate shall describe the issues related to wildland fires;

vi. Prerequisites:

- (1) Modules 1 through 16b.

33. Module 17b—Live Fire Evolution:

i. Facility requirements: Live burn facility per N.J.A.C. 5:73-2.4(h);

ii. Instructor requirements: Instructor Level 2 certification, SCBA/ Smokehouse certificate and live burn certificate.

iii. Examination: skills test;

iv. Hours required: 12 drill hours;

v. Objectives: The Firefighter 1 candidate, as a member of a team, must be able to perform the skills in the areas listed below. Performance will be determined by using skill evaluation forms approved by the Office of Training and Certification:

(1) The Firefighter 1 candidate as a member of a team shall demonstrate operating a fire hose nozzle so as to attack and extinguish at least two live fires, including a Class A fire and a Class B liquid fire;

(2) The Firefighter 1 candidate as a member of a team shall demonstrate attack on automobile fire;

(3) The Firefighter 1 candidate as a member of a team shall demonstrate the proper positioning of attack lines; and

(4) The Firefighter 1 candidate as a member of a team shall demonstrate an interior fire attack;

- vi. Prerequisite: All Modules.
34. Module 18—Hazardous Materials Awareness and Operations:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Adjunct Hazardous Materials Instructor;
 - iii. Examination: written;
 - iv. Hours required: 18 classroom hours;
 - v. Objectives: The Firefighter 1 candidate shall complete a recognized Hazardous Materials Awareness and Operations level course(s).
35. Module 19—Response to Terrorism:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b) or homework assignment;
 - ii. Instructor requirement: Instructor Level I certification;
 - (1) Examination: written;
 - (2) Minimum hours required: two classroom or homework;
 - (3) Objectives: The Firefighter 1 candidate shall successfully complete the National Fire Academy's program "Emergency Response to Terrorism: Self-Study," or equal.
36. Module 20—Utility Emergencies:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirement: Adjunct Utilities Instructor or Instructor Level I certification;
 - iii. Examination: written;
 - iv. Suggested guideline: two classroom hours;
 - v. Objectives: The Firefighter 1 candidate shall understand the hazards of utility emergencies and describe how to prevent, guard or remove the hazard:
 - (1) Electrical emergencies;
 - (2) Natural/propane gas emergencies;
 - vi. Prerequisites:
 - (1) Module 3a—Self-contained Breathing Apparatus;
 - (2) Module 9a—Building Construction and Ventilation;
 - (3) Module 13a—Safety; and
 - (4) Module 14—Fire Behavior.
37. Module 21—Wildland-Wildland Urban Interface Firefighting:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Adjunct Forestry Instructor or Instructor Level I;
 - iii. Examination: written;
 - iv. Suggested guideline: two classroom hours;
 - v. Objectives: The Firefighter 1 candidate shall understand the differences and hazards of wildland firefighting and wildland urban interface firefighting;
 - vi. Prerequisites:
 - (1) Module 1—Orientation/Fire Department Organization;
 - (2) Module 13a—Safety; and
 - (3) Module 14—Fire Behavior.
38. Module 22—Cardio-Pulmonary Resuscitation:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Adjunct CPR Instructor or Nationally Certified CPR Instructor;
 - iii. Examination: written and/or performance per the national CPR certifying agency;
 - iv. Suggested guideline: hours per national CPR certifying agency;
 - v. Objectives: The Firefighter 1 candidate shall complete a nationally recognized Cardio-Pulmonary Resuscitation course.
39. Module 23—Firefighter Wellness:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Adjunct Instructor or Instructor Level I;
 - iii. Examination: written;
 - iv. Suggested guideline: two classroom hours;
 - v. Objectives: The Firefighter 1 candidate shall understand and explain the various factors in firefighter wellness:
 - (1) Physical factors;
 - (2) Mental factors;
 - (3) Outside factors; and
 - (4) Future considerations;
 - vi. Prerequisites: All Modules.
40. Module 24—Burn Education:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);

- ii. Instructor requirements: Adjunct Burn Education Instructor or Instructor Level I;
 - iii. Examination: written;
 - iv. Suggested guideline: two classroom hours;
 - v. Objectives: The Firefighter 1 candidate shall understand the types and hazards of various burns, methods of prevention and the burn treatment process;
 - vi. Prerequisites:
 - (1) Module 1—Orientation/Fire Department Organization;
 - (2) Module 13a—Safety; and
 - (3) Module 14—Fire Behavior.
41. Module 25—Bloodborne Pathogens:
- i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Adjunct Bloodborne Pathogen Instructor or Instructor Level I;
 - iii. Examination: written;
 - iv. Suggested guideline: two classroom hours;
 - v. Objectives: Initial and Refresher Training must cover all topics in 29 CFR 1910.1030;
 - vi. Prerequisites:
 - (1) Module 1—Orientation/Fire Department Organization;
 - (2) Module 13a—Safety; and
 - (3) Module 14—Fire Behavior.

Amended by R.1997 d.286, effective July 21, 1997.

See: 29 N.J.R. 722(a), 29 N.J.R. 3243(a).

In (a)29ii, inserted “, SCBA/Smokehouse certificate”.

Amended by R.2001 d.57, effective February 20, 2001.

See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

In (a), added “or Adjunct Instructor certificate” in 1ii, 22ii and 24ii.

Amended by R.2003 d.405, effective October 20, 2003.

See: 35 N.J.R. 46(a), 35 N.J.R. 4865(a).

Rewrote the section.

5:73-4.4 Examination requirements

(a) Applicants for the firefighter 1 certification shall demonstrate knowledge of the subject areas by successful completion of the firefighter 1 written examination administered through the Office of Training and Certification.

(b) Applicants for the firefighter 1 certification shall demonstrate competence by successful completion of the firefighter Level 1 skills examination administered through the Office of Training and Certification.

5:73-4.5 Optional courses

(a) The firefighter 1 may receive additional endorsements in the following areas:

1. Module 17A: Emergency Medical Care—First Aid
 - i. Facility requirements: Classroom Level A per N.J.A.C. 5:73-2.4(b);
 - ii. Instructor requirements: Current first aid instructor certificate issued by the American Heart Association or the American National Red Cross;
 - iii. Examination: No examination required—current first aid card must be submitted;
 - iv. Hours required: eight;
 - v. Subject areas:
 - (1) Recognize and understand treatment of fractures and splinting;
 - (2) Recognize and understand treatment of burns;
 - (3) Understand types of external and internal bleeding and its control;
 - (4) Understand the symptoms and treatment for various poisons;
 - (5) Recognize symptoms of shock and understand treatment;
 - (6) Understand primary and secondary survey; and
 - (7) Understand priority injuries.
2. Module 17B: Emergency Medical Care—CPR (Reserved)
3. Module 18: Hazardous Materials—Awareness (Reserved)
4. Module 19: Fire Pumps—(Reserved)
5. Module 20: Hazardous Materials—(Reserved)
6. Module 21: Fire Prevention—(Reserved)
7. Module 22: Arson Awareness—(Reserved)
8. Module 23: Ground Cover Fires—(Reserved)
9. Module 24: Vehicle Fires—(Reserved)
10. Module 25: Foam—(Reserved)
11. Module 26: Electric—(Reserved)
12. Module 27: Fire Service Law—(Reserved)
13. Module 28: Natural/LPG Gas—(Reserved)
14. Module 29: Marine Firefighting—(Reserved)
15. Module 30: Vehicle Extrication—(Reserved)
16. Module 31: High Hazard Buildings—(Reserved)
17. Module 32: High Rise Fires—(Reserved)
18. Module 33: Building Construction—(Reserved)
19. Module 34: Truck Company Operations—(Reserved)

2. Have satisfactorily met the training and demonstration of competency requirements for Hazardous Materials—On-Scene Incident Commander as set forth in 29 CFR 1910.120.

(b) It shall be the responsibility of the employer to maintain the necessary documentation as set forth in 29 CFR 1910.120.

5:73-6.5 Continuing education

Continuing education requirements set forth in 29 CFR 1910.120 shall apply to all individuals holding Hazardous Materials—Awareness, Hazardous Materials—Operational and/or Hazardous Materials On-Scene Commander certification(s).

SUBCHAPTER 7. FIRE POLICE OFFICER TRAINING

Authority

N.J.S.A. 52:27D-198.

Source and Effective Date

R.2001 d.57, effective February 20, 2001.
See: 32 N.J.R. 3253(a), 33 N.J.R. 692(b).

5:73-7.1 Intent and purpose

These rules establish standards governing the training and appointment of fire police officers.

5:73-7.2 Fire police officer training program

(a) No member of a volunteer fire company shall be appointed or perform the duties of a fire police officer unless the member is properly trained by the Department of Community Affairs, Division of Fire Safety.

(b) Candidates for fire police officer shall:

1. Be a member of a duly organized volunteer fire company;
2. Document the successful completion of the "New Jersey Fire Police Basic Training Course" or an equivalent course approved by the Division of Fire Safety; and
3. Take and subscribe an oath administered by the municipal clerk and subscribed to in triplicate.
 - i. The original copy of the oath shall be filed with the municipal clerk;
 - ii. A copy of the oath shall be filed with the secretary of the fire company making the appointment.

(c) Qualified members shall serve for a term of office not exceeding five years from the date of appointment.

(d) After proper training and appointment, a qualified member shall be recognized as a fire police officer and shall serve in such a capacity anywhere in the county in which he or she is appointed or in any other county where the member is called upon to act.

5:73-7.3 Exemptions

Any person serving as a fire police officer on or before the effective date of P.L. 1998, c.61 (July 30, 1998) may continue to serve in that capacity.

SUBCHAPTER 8. FIRE OFFICERS

Authority

N.J.S.A. 52:27D-25d(c) and 25k.

Source and Effective Date

R.2003 d.78, effective February 18, 2003.
See: 34 N.J.R. 3601(a), 35 N.J.R. 1056(a).

5:73-8.1 General provisions

(a) It is the object of this subchapter to establish criteria for certification of various levels of fire officers.

(b) Copies of National Fire Protection Association (NFPA) standards incorporated by reference in this subchapter may be obtained by writing to: NFPA, 1 Batterymarch Park, Quincy, MA 02269.

5:73-8.2 Fire Officer

(a) A certification for Fire Officer I shall be granted to a member of the fire service who meets the following requirements:

1. Shall have obtained Firefighter 1 certification per N.J.A.C. 5:73-4.2;
2. Shall have obtained Incident Management Level 1 certification per N.J.A.C. 5:73-6.1;
3. Shall have obtained Hazardous Materials—Operational Certification per N.J.A.C. 5:73-6.3;
4. Satisfactorily completes a Fire Officer course of instruction that meets the requirements of NFPA 1021, Fire Officer I, 1997 edition, incorporated herein by reference, as specified in (b) below; and
5. Satisfactorily pass a written test specified in (c) below.

(b) The following standard applies to programs designed to satisfy the requirements of (a)4 above:

1. The minimum hours required are 45;
2. The course must cover the following subject areas:

i. Human resource management;

- (1) Verbal communication during emergency and non-emergency situations;
- (2) Techniques used to make assignments under stressful and routine situations;
- (3) Methods of confirming understanding;
- (4) Verbal communications techniques to facilitate learning;
- (5) The signs and symptoms of member-related problems;
- (6) Causes of stress in emergency service personnel;
- (7) Adverse effects of stress on the performance of emergency service personnel;
- (8) The use of human resource policies and procedures; and
- (9) Principles and supervision and basic human resource management;

ii. Community and government relations;

- (1) Interpersonal relationships and verbal and nonverbal communication; and
- (2) Written and verbal communication techniques to address the public;

iii. Administration;

- (1) Written and verbal communications to address members of the department; and
- (2) The need and use of administrative policies, procedures, and record management;

iv. Inspection and investigation;

- (1) The common causes of fire;
- (2) Fire growth and development;
- (3) Policies and procedures for calling for investigators; and
- (4) The importance of scene security;

v. Emergency service delivery;

- (1) The elements of a pre-incident plan;
- (2) Basic building construction;
- (3) Basic fire protection systems and features;
- (4) Basic water supply;
- (5) Basic fuel loading;
- (6) Fire growth and development;
- (7) Preparing written reports;
- (8) The elements of size-up;

(9) Standard operating procedures for emergency operations;

(10) Fire behavior;

(11) Basic fire control and emergency operation procedures; and

(12) The personnel accountability system;

vi. On-scene incident commander;

(1) Know and be able to implement New Jersey's Incident Management System;

(2) The fire department's emergency operations plan;

(3) The hazards and risks associated with employees working in chemical protective clothing;

(4) The local emergency response plan;

(5) The State emergency response plan;

(6) The Federal Regional Response Teams; and

(7) Decontamination procedures;

vii. Safety;

(1) The common causes of injuries and accidents;

(2) The need and use of safety policies and procedures;

(3) Basic workplace safety;

(4) The components of an Infectious Disease Control Program;

(5) Conducting an accident investigation;

viii. New Jersey Public Employees Occupational Safety and Health Act;

(1) Know of and be able to implement and administer the following:

(A) Personal protective clothing and equipment requirements;

(B) A respiratory protection program;

(C) A bloodborne pathogen program; and

(D) Right to Know requirements; and

ix. Conducting training sessions;

(1) Roles and responsibilities;

(A) Concepts of learning;

(2) Educational methodology;

(A) Communication;

(B) Methods of teaching;

(C) Organizing the teaching/learning setting;

(I) Indoor setting; and

- (II) Outdoor/drill ground setting;
- (D) The use of instructional materials; and
- (E) Instructional material;
- (3) Performance objectives;
 - (A) A lesson plan;
 - (I) Job title or topic;
 - (II) Behavioral/performance objectives; and
 - (III) References;
 - (B) Teaching techniques;
 - (I) Demonstration method; and
 - (C) Human relations and the teaching/learning setting;
- (4) Safety;
 - (A) Responsibilities and practices; and
- (5) Demonstration aids;
 - (A) The use of instructional material;
 - (I) Audio/visual equipment;
 - (II) Projectable materials;
 - (III) Non-projectable materials;
 - (IV) Teaching aids; and
 - (V) Use of classroom facilities; including a chalkboard, a bulletin board and a flip chart.

(c) Applicants for Fire Officer I certification shall demonstrate knowledge of the subject areas by successful completion of the Fire Officer I written examination administered through the Office of Training and Certification.

1. Equivalency Fire Officer I certification may be obtained by those persons who have completed three years experience as a suppression fire officer, and satisfactorily pass the written test under (c).

(d) A certification for Fire Officer II shall be granted to a member of the fire service who meets the following requirements:

1. Shall have obtained Fire Officer I certification per (a) above;
2. Shall have obtained Incident Management Level 2 certification per N.J.A.C. 5:73-6.1;
3. Satisfactorily complete a course of instruction that meets the requirements of NFPA 1021, Fire Officer II, 1997 edition as specified in (e) below; and
4. Satisfactorily pass a written test specified in (f) below.

(e) The following standard applies to programs designed to satisfy the requirements of (d)3 above:

1. The minimum hours required are 45;
2. The course must cover the following subject areas:
 - i. Human resource management;
 - (1) The use of human resource policies and procedures;
 - (2) Problem identification;
 - (3) Organizational behavior;
 - (4) Group dynamics;
 - (5) Leadership styles;
 - (6) The types of power;
 - (7) Interpersonal dynamics;
 - (8) Understanding job descriptions;
 - (9) The objectives of a member evaluation program; and
 - (10) Common errors in evaluating;
 - ii. Community and governmental relations;
 - (1) The contents of the fire department's public education program; and
 - (2) Identifying target audiences;
 - iii. Administration;
 - (1) Research and development of policies and procedures;
 - (2) Problem identification;
 - (3) Overview of sources of revenue and the budget process;
 - (4) Developing news releases and dealing with the media; and
 - (5) The use of data processing systems;
 - iv. Inspection and investigation;
 - (1) Inspection procedures;
 - (2) Fire detection, alarm and protection systems;
 - (3) The identification of fire and life safety hazards;
 - (4) Marking and identification systems (hazardous materials, truss construction);
 - (5) The methods used by arsonists;
 - (6) Basic cause and origin determination; and
 - (7) The duties of the local fire official;
 - v. Emergency service delivery;
 - (1) Standard operating procedures;

(2) Information resources available for the handling of hazardous materials incidents;

(3) Basic fire control and emergency operation procedures; and

(4) New Jersey's Personnel Accountability System; and

vi. Safety;

(1) The causes of unsafe acts;

(2) Health exposures; and

(3) Conditions that result in:

(A) Accidents;

(B) Injuries;

(C) Occupational illness; and

(D) Deaths.

(f) Applicants for Fire Officer II certification shall demonstrate knowledge of the subject areas by successful completion of the Fire Officer II written examination administered through the Office of Training and Certification.

(g) A certification for Fire Officer III shall be granted to a member of the fire service who meets the following requirements:

1. Shall have obtained Fire Officer II certification per (d) above;

2. Shall have obtained Instructor Level 1 certification per N.J.A.C. 5:73-5.2;

3. Satisfactorily complete a course of instruction that meets the requirements of NFPA 1021, Fire Officer III, 1997 edition as specified in (h) below; and

4. Satisfactorily pass a written test specified in (i) below.

(h) The following standard applies to programs designed to satisfy the requirements of (g)3 above:

1. The minimum hours required are 45;

2. The course must cover the following subject areas:

i. Human resource management;

(1) Staffing considerations;

(2) Available human resources;

(3) A review of Federal and State laws and regulations addressing hiring and/or recruitment;

(4) A review of Federal and State laws and regulations addressing promotions; and

(5) Interpersonal and motivational techniques to encourage personal development;

ii. Community and government relations;

(1) Community demographics;

(2) Resource availability;

(3) Community needs; and

(4) Customer service principles;

iii. Administration;

(1) Development and justification of a budget;

(A) Operating;

(B) Personnel; and

(C) Capital;

(2) Development of a budget management system;

(A) Revenue;

(B) Anticipated revenue;

(C) Expenditures;

(D) Anticipated expenditures; and

(E) Encumbrances;

(3) Review the implementation of solicitation and awarding of bids;

(A) Purchasing laws;

(4) Recordkeeping systems;

(A) The acquisition, implementation and retrieval of information;

(B) The capabilities and limitations of information management systems;

(C) The analyzation and interpretation of non-classified records and data; and

(D) Fire protection modeling;

(I) Demographics;

(II) Hazards;

(III) Geographic area; and

(IV) Response times and distances;

iv. Inspection and investigation;

(1) Fire behavior;

(2) Building construction;

(3) Develop pre-incident plans for the following occupancies;

(A) Public assembly;

(B) Educational;

(C) Institutional;

(D) Residential;

(E) Business;

- (F) Industrial;
- (G) Manufacturing;
- (H) Storage;
- (I) Mercantile; and
- (J) Special projects;
- (4) Program evaluation;
- (5) Inspection and incident reports;
- (6) New Jersey's Fire Code; and
- (7) Public education programs;
- v. Emergency service delivery;
 - (1) Review required contents of policies and procedures;
 - (2) Resources;
 - (3) Capabilities;
 - (4) The roles, responsibilities and authority of supporting agencies; and
 - (5) Multi-agency response and coordination; and
- vi. Safety;
 - (1) Accident and injuring prevention programs;
 - (2) Accepted safety practices;
 - (3) Applicable laws and regulations; and
 - (4) The development and implementation of programs to comply with New Jersey laws and regulations.
- (i) Applicants for Fire Officer III certification shall demonstrate knowledge of the subject areas by successful completion of the Fire Officer III written examination administered through the Office of Training and Certification.
- (j) A certification for Fire Officer IV shall be granted to a member of the fire service who meets the following requirements:
 1. Shall have obtained Fire Officer III certification per (g) above;
 2. Satisfactorily complete a course of instruction that meets the requirements of NFPA 1021, Fire Officer IV, 1997 edition as specified in (k) below; and
 3. Satisfactorily pass a written test specified in (l) below.
- (k) The following standard applies to programs designed to satisfy the requirements of (j)2 above:
 1. The minimum hours required are 45;
 2. The course must cover the following subject areas:
 - i. Human resource management;
 - (1) Grievance programs;
 - (A) Policies and procedures;
 - (B) Contractual agreements; and
 - (C) State and Federal laws and regulations;
 - (2) The establishment and evaluation of in-service training;
 - (A) Training resources;
 - (B) Community needs;
 - (C) Internal and external customers;
 - (D) Policies and procedures;
 - (E) Contractual agreements; and
 - (F) State and Federal laws and regulations;
 - (3) The establishment and evaluation of member assistance programs;
 - (A) Policies and procedures;
 - (B) Available assistance programs;
 - (C) Contractual agreements; and
 - (D) State and Federal laws and regulations;
 - (4) The establishment and evaluation of an incentive program;
 - (A) Policies and procedures;
 - (B) Available incentive programs;
 - (C) Contractual agreements; and
 - (D) State and Federal laws and regulations;
 - ii. Community and government relations;
 - (1) Leadership roles in community events;
 - (A) Community demographics;
 - (B) Community issues;
 - (C) Formal and informal community leaders; and
 - (D) Local Emergency Planning Committees;
 - iii. Administration;
 - (1) The development of comprehensive long-range plans;
 - (2) The evaluation and projection of fire department needs;
 - (A) Policies and procedures;
 - (B) Physical and geographical characteristics;
 - (C) Departmental plan;
 - (D) Staffing requirements;

- (E) Training standards;
 - (F) Needs assessments;
 - (G) Contractual agreements; and
 - (H) State and Federal laws and regulations;
- iv. Emergency services delivery;
- (1) Comprehensive disaster planning;
 - (A) Major incident policies and procedures;
 - (B) Physical and geographical characteristics;
 - (C) Demographics;
 - (D) Target hazards;
 - (E) The New Jersey Incident Management System;
 - (I) Unified command;
 - (F) Communication systems;
 - (G) Contractual and mutual aid agreements; and
 - (H) Local, State and Federal laws, regulations and resources;
 - (2) Civil disturbances and terrorism;
- (A) Major incident policies and procedures;
 - (B) Physical and geographical characteristics;
 - (C) Demographics;
 - (D) New Jersey Incident Management System;
 - (I) Unified command;
 - (E) Communication systems;
 - (F) Contractual and mutual aid agreements;
 - (G) Local, State and Federal laws, regulations and resources; and
- v. Safety;
- (1) Risk management concepts;
 - (2) Retirement qualifications;
 - (3) Occupational hazards analysis; and
 - (4) Disability procedures, laws and regulations.
- (I) Applicants for Fire Officer IV certification shall demonstrate knowledge of the subject areas by successful completion of the Fire Officer IV written examination administered through the Office of Training and Certification.