

CHAPTER 18C
STANDARDS FOR FIRE SERVICE TRAINING
AND CERTIFICATION

Authority

N.J.S.A. 52:27D-25d, 52:27D-198 and 52:27D-219.
N.J.S.A. 52:27D-198, 201 and 219.

Source and Effective Date

R.1995 d.58, effective January 3, 1995.
See: 26 N.J.R. 4258(a), 27 N.J.R. 878(b).

Executive Order No. 66(1978) Expiration Date

Chapter 18C, Standards For Fire Service Training and Certification, expires on January 3, 2000.

Chapter Historical Note

Chapter 18C, Standards for Fire Service Training and Certification, 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 was readopted as R.1995 d.58. See: Source and Effective Date. Subchapter 6, Hazardous Materials/Incident Commander Certifications, became effective March 4, 1996. See: 27 N.J.R. 1845(a), 28 N.J.R. 1377(b). See, also, section annotations.

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SUBCHAPTER 1. GENERAL PROVISIONS

5:18C-1.1 Title; 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 six parts:

1. Subchapter 1 is entitled "General Provisions" and may be cited throughout the Standards as N.J.A.C. 5:18C-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. 5:18C-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. 5:18C-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. 5:18C-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. 5:18C-6, and when referred to in subchapter 6 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.

5:18C-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.

5:18C-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.

5:18C-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 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".

5:18C-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 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 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 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, CN 802, Trenton, NJ 08625. 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).

5:18C-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. 5:18C-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. 5:18C-6.1(b).

(d) Subsections (b) and (c) above shall not be operative until February 17, 2000.

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.

5:18C-1.7 Requirements for certification

(a) Any candidate for certification in any of the fire service areas pursuant to the 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. 5:18C-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 for which the application has been made. If the application is satisfactory, the Office shall issue a certification to the applicant upon payment of the required fee. This certification 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 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).

5:18C-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 upon any of the grounds set forth in this chapter, the Division may not renew or reinstate such certification; however, a person may file a new application for a certification with the Division. When it can be shown that all loss caused by the act or

omission for which the certification 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.

(c) Fire Service Instructor (Reserved).

5:18C-1.9 Revocation of certifications and alternative sanctions

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

1. Has obtained a certification by fraud or misrepresentation, or the person named in the certificate has obtained it by fraud or misrepresentation;
2. Has fraudulently or deceitfully practiced as a certified firefighter or 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 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 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.

5:18C-1.10 Fees

No application for certification shall be acted upon unless the application is accompanied by the appropriate fee. The fee for any certification issued pursuant to this chapter shall be \$5.00.

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.

SUBCHAPTER 2. EDUCATIONAL PROGRAMS AND FACILITIES

5:18C-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.

5:18C-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. 5:18C-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.

5:18C-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).

5:18C-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. 5:18C-4.3(a)12vi;

ii. Forcible entry tools as specified in N.J.A.C. 5:18C-4.3(a)3vi;

iii. Salvage covers as specified in N.J.A.C. 5:18C-4.3(e)10vi;

iv. Lengths of rope as specified in N.J.A.C. 5:18C-4.3(a)8vi;

v. Ladders as specified in N.J.A.C. 5:18C-4.3(a)16vi;

vi. PEOSHA approved breathing apparatus for each student;

vii. PEOSHA approved personal protective clothing for each student;

viii. Materials for rescue drills as specified in N.J.A.C. 5:18C-4.3(a)21vi; and

ix. Wedges or sprinkler tongs as specified in N.J.A.C. 5:18C-4.3(a)23vi.

(d) Classroom Level B: (Reserved).

(e) Drill Area Level B: (Reserved).

(f) Smoke building requirements are as follows:

1. The purpose of the structurally safe smoke building is to acquaint the trainees with the skills and abilities necessary for survival in an oxygen deficient atmosphere by creating a controlled learning situation that is under constant supervision.

2. The smoke building shall meet the following requirements:

i. There shall be an exterior exit or secondary means of egress on every floor;

ii. The smoke building shall be equipped for simulating smoke filled atmosphere and conditions;

iii. The building shall be so designed and equipped so as to allow for constant surveillance of the trainees; and

iv. There shall be a means to provide emergency ventilation which may include automatic or manual control of roof openings, doors and exterior windows.

3. Smoke used should be of a controlled composition with minimum toxicity. Specially designed mechanical equipment may be installed in the facility to produce smoke.

(g) Drill tower requirements are as follows:

1. The purpose of the drill tower is to train fire fighters in basic evolutions using pumper and ladder equipment;

2. The tower shall meet the following requirements.

i. It shall be not less than two stories in height;

ii. It shall be suitable for use with ladders and rescue equipment;

iii. It shall be so designed as to permit raising, lowering, and maneuvering of hose lines and other equipment;

iv. It may be of wood frame, reinforced concrete, steel or other durable material;

v. It shall have structurally sound interior and exterior walls which will withstand the force of master streams;

vi. It shall contain stairways which provide means of access between floor levels;

vii. All stairway treads should be slip resistant;

viii. The drill tower should include provisions for standpipe connections at all floor levels of the facility;

ix. Roof openings should be provided for practice of ventilation procedures;

x. Safety railings should be provided for roof operations; and

xi. A temporary or permanent safety net on at least one exterior side of the building should be provided.

(h) Live burn facility requirements are as follows:

1. The following apply to burn buildings:

i. The purpose of the burn building is to safely train firefighters in methods of interior fire suppression. Every floor shall have an exterior exit or a second means of egress.

ii. Walls, floors, ceilings, and other permanent features shall have strong resistance to heat generated by Class A materials.

iii. Class B materials shall not be used for fuel except when part of an engineered and designed system, such as propane or natural gas simulation, certified by the manufacturer as having been installed and maintained in accordance with the manufacturer's instructions and recommendations.

iv. Emergency ventilation shall be provided by automatic or manual control of the roof openings, doors, and exterior shuttered windows.

2. The following apply to the flammable liquid and flammable gas area:

i. This area should be located as remote from any building as possible. Fencing and/or curbing should be provided as a safety factor.

ii. Pit aprons should be made of concrete, crushed stone, iron ore slag.

iii. There shall be adequate water supply, fuel supply, fuel pumping capability and drainage.

iv. If flammable liquid or gas is fed to an area, the flow shall be controlled by quick shutoff valves. In case of an emergency, an instantaneous shutdown will be necessary.

(i) The following relate to exemptions:

1. An exemption from the training facility requirements may be made upon the following findings:

i. There is no facility in the immediate area where the training can be provided or there are minimum facilities in the area and all prospective applicants cannot be accommodated; and

ii. That alternative training in the form of simulation or other method will be provided which will provide, to the greatest extent possible the same practice/drill opportunity.

2. An application for exemption to this section shall be filed in writing and set forth specifically:

- i. A statement of the requirements from which an exemption is sought;
- ii. A statement of the manner by which strict compliance with said provisions would result in practical difficulties; and
- iii. A statement of the feasible alternatives which would adequately provide the same practice/drill opportunity.

Amended by R.1995 d.59, effective March 6, 1995.

See: 26 N.J.R. 4249(a), 27 N.J.R. 891(a).

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

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

In (h)iv, substituted "ventilation shall be" for "ventilation should be".

5:18C-2.5 Live fire training permit

(a) A permit shall be required and obtained from the Division of Fire Safety for live fire training in, or in any part of, any building, structure, motor vehicle or other training mock-up or area, or area of land or portion thereof, on which firefighters are to be trained.

1. Prior to conducting any live fire training, the instructor-in-charge shall ensure that each participant is certified as Firefighter I in accordance with N.J.A.C. 5:18C-4 or has been an active firefighter for a period of not less than 18 months prior to the date of the training evolution.

i. In lieu of such certification, or of the 18 months experience, a participant who is a candidate for certification as a Firefighter I shall have completed training modules 1 through 15, as specified in N.J.A.C. 5:18C-4.3(a)29vi.

2. The instructor-in-charge shall accept verification of certification or experience, or of completion of the necessary training modules, from the chief of the participant's fire department, in writing, on fire department letterhead. Such verification shall become part of the written record required by (e)5 below.

(b) Permits shall be required, and shall be obtained from the Division, for any of the activities specified in this section. Permits shall at all times be kept at the premises designated therein and shall at all times be subject to inspection by the Division.

(c) Any permanent fire service training organization shall be eligible to apply for an annual Type A permit to conduct live fire training exercises.

1. Initially, application for a permit shall be made not less than 10 business days prior to the anticipated start of live fire training exercises. Application for renewal of a permit shall be made no less than 10 business days prior to the expiration date of the existing permit. All applications for permits shall be made on form(s) provided by the Division.

2. Permits shall be valid for a period not to exceed one year from the date of issuance unless revoked or suspended in accordance with (f) below.

i. The expiration date of all Type A permits shall be July 31.

(d) Any fire department or district or any other training entity, whether public or private, that wishes to conduct live fire training in any non-permanent fire service training facility shall be eligible to apply for a permit to conduct live fire training exercises. Non-permanent facilities include, but shall not be limited to: acquired buildings, motor vehicles, on-site fire extinguisher training mock-ups, and any other training mock-up.

1. Application for a permit shall be made not less than 10 business days prior to the anticipated start of live fire training exercises. All applications for permits shall be made on form(s) provided by the Division.

2. Permits shall be valid for a period of 30 days from the date of issuance unless revoked or suspended in accordance with (f) below.

(e) Requirements for live fire training exercises are as follows:

1. Applications shall certify that all live fire training exercises shall be conducted in accordance with this section and with NFPA 1403, Standard on Live Fire Training Evolutions in Structures, 1992 ed., with the exception of section 4-1.3 of that standard where propane, natural gas, or other approved fuel is utilized as part of an engineered and approved fire simulation system or, for evolutions performed outdoors, with NFPA 1406, Standard for Outside Live Fire Training Evolutions, 1993 ed. In the event of any conflict between this section and the NFPA standards, the provision of this section shall apply.

2. The instructor-in-charge of the live fire training exercise shall meet the requirements of N.J.A.C. 5:18C-5.3 and hold valid certification issued by the Division as a Fire Service Instructor Level 2, SCBA/Smokehouse Instructor and Live Burn Instructor.

i. All other instructors utilized for the live fire training exercise shall hold valid certification, at a minimum, as Fire Service Instructor Level 1, SCBA/Smokehouse Instructor and Live Burn Instructor.

3. All participants and instructors shall wear firefighter personal protective gear and equipment, including self contained breathing apparatus, that meets the requirements of N.J.A.C. 12:100-10.5 through 10.10 when actively participating in live fire training exercises or when exposed to smoke or otherwise hazardous atmospheres.

4. Before any live fire training exercise is commenced, a safety checklist that has been approved by the Division shall be completed by the instructor in charge of the

exercise. Such safety checklist shall include, but may not be limited to, the following:

i. Conducting a facility inspection to determine that:

- (1) Hazards to personnel are identified and corrected or guarded;
- (2) The live burn simulator (if applicable) is tested and found to be operational, in accordance with manufacturer's protocol. Manufacturer's protocol must be submitted if simulator is used.
- (3) All emergency controls are tested and operating in accordance with manufacturer's instructions;
- (4) The structural integrity of the building is confirmed. If a visual inspection reveals damage to structural members, the services of a professional shall be obtained to confirm and recommend corrective action. Such structural integrity shall be documented at least annually by an appropriate professional;
- (5) Rubbish or excessive combustibles have been removed;
- (6) All exits, including at least two means of egress per floor being utilized by students, are accessible and operable. In an existing building, one of the two required means of egress may be a fire escape, unless judged to be dangerous for use under emergency exiting conditions;
- (7) Automatic or manual ventilation systems are provided and operational; and
- (8) No person shall be placed inside the building to play the role of a victim;

ii. Conducting a briefing with all participants, to include:

- (1) A discussion of participant safety;
- (2) A familiarization of participants with the facility;
- (3) A tour of the facility;
- (4) A description of the evolutions to be performed, including operations;
- (5) A description of the emergency contingency plan; and
- (6) A description and demonstration of the emergency evacuation signal and the procedures to be followed if the signal is used;

iii. Inspecting personal protective equipment (PPE) including:

- (1) All participants' PPE complies with N.J.A.C. 12:100-10, Standards for Firefighters;

- (2) All required PPE is donned correctly before entry into a hazardous environment;

- (3) Personal alert safety system (PASS) devices are activated before participant enters a hazardous area;

- (4) Self-contained breathing apparatus (SCBA) is worn by all participants; and

- (5) All SCBA cylinders are full at the commencement of the evolution;

iv. Assuring the adequacy of extinguishing capability, including:

- (1) An adequate water supply;

- (2) A minimum of 95 gpm is available through each hand line used for evolutions with actual lines sized to supply anticipated required flow rates;

- (3) Properly rated and charged extinguishers are used for extinguisher training; and

- (4) A minimum of one back-up hand line and crew are standing by, with line(s) sized to provide a flow at least equal to that required for the evolution, under the direction of a certified instructor;

v. Assuring the proper use of fuels with known burning characteristics, such as:

- (1) Use only class A fuel of approved type;

- (2) Use fuel at a rate consistent with extinguishing capability;

- (3) LP-gas or natural gas used only as part of an engineered and approved system; and

- (4) Reserve fuels are stored safely away from live fire; and

vi. Ensuring the safe conduct of the exercise, including:

- (1) Provide sufficient staff, and make appropriate participant and instructor assignments, to safely accomplish objectives;

- (2) Provide adequate instructor-to-student ratio. When students are firefighter I Candidate, Grade 2, that ratio shall be a minimum of one instructor for every five students;

- (3) Designate a safety officer in accordance with the Fire Service Incident Management System rules, N.J.A.C. 5:18E, with no added duties;

- (4) Utilize a personnel accountability system;

- (5) Provide participants with, or assure their possession of, all necessary tools and implements;

(6) Have emergency medical services (EMS) available. Qualified EMS personnel on site, with or without transport, shall be sufficient at a permanent fire service training facility;

(7) Provide rest, rehabilitation and fluid replenishment, as necessary; and

(8) Conduct evolution with full regard for environmental conditions, with exercises terminated or curtailed by extreme weather.

5. In addition to completing the checklist specified in (e)4 above, any application for a Type B permit shall include:

i. Evidence of clear title to the property;

ii. Written permission from the owner-of-record. A clear description of the anticipated condition of the acquired property at the end of the evolution shall be indicated in writing and acknowledged by the property owner;

iii. Proof of fire insurance cancellation or a signed statement of non-existence of fire insurance; and

iv. A brief report detailing a careful examination of the building to be acquired, including that:

(1) Floors, railings and stairs have been made safe;

(2) Potential chimney hazards have been addressed;

(3) Walls and ceilings are intact or have been patched;

(4) Any debris creating a hazardous condition has been removed;

(5) Low-density combustible fiberboard and unconventional or highly combustible interior finish is not present;

(6) Any extraordinary weight has been removed from the area above the space to be used for training or render the space below inaccessible;

(7) Utilities are disconnected;

(8) Adequate openings are made in the roof for ventilation;

(9) All forms of asbestos deemed hazardous to personnel have been removed; and

(10) Any adjacent exposures are properly protected.

6. Written records including information relating to the exercise shall be kept. Information shall include, but may not be limited to, the following:

i. The date and time of exercise;

ii. The names of instructors;

iii. The names of participants;

iv. The duration of the exercise; and

v. Problems or abnormalities encountered during the exercise.

7. Any injury requiring admission to a hospital or death occurring during, or as a result of, any live fire training exercise shall be reported to the Division within 24 hours after the occurrence.

(f) The Division shall either approve or deny any application for permit within 10 business days after receipt of each application. If an application for permit is denied, the Division shall inform the applicant of the reason for denial and of any measures necessary to bring the application into compliance.

1. An application which has not been granted within 10 days shall be deemed to have been denied. Such denial may be appealed in accordance with N.J.A.C. 5:18C-1.5(c).

(g) The Division may revoke a permit already issued or deny future applications for permits for just cause. Reasons for revocation may include, but shall not be limited to:

1. Unsafe actions during live fire training exercises;

2. Injuries or death resulting from unsafe actions during exercises; or

3. Violation of this section.

(h) The Commissioner shall enforce and administer this section and is authorized to issue compliance orders to persons and public entities in violation thereof, to petition the Superior Court for injunctive relief enforcing any compliance order, to levy and collect civil penalties of not more than \$500.00 per violation and to 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. 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.

New Rule, R.1997 d.286, effective July 21, 1997.
See: 29 N.J.R. 722(a), 29 N.J.R. 3243(a).

SUBCHAPTER 3. (RESERVED)

SUBCHAPTER 4. FIREFIGHTER I

5:18C-4.1 Duties and responsibilities of firefighter I

(a) A certified firefighter I shall work under direct supervision.

(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, 3a, 3b, 6a, 6b, 8a, 8b, 13a, 13b and 14 as described in N.J.A.C. 5:18C-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 2a, 2b, 4a, 4b, 5a, 5b, 11a, 11b, 12, and 15 as described in N.J.A.C. 5:18C-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. 5:18C-4.3, an individual shall receive a certification as a firefighter I and may perform interior structural firefighting under direct supervision.

5:18C-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. 5:18C-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. 5:18C-4.3;
 - ii. Has taken and passed a written examination as established by N.J.A.C. 5:18C-4.4(a); and
 - iii. Has successfully passed a skills test as established by N.J.A.C. 5:18C-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).

5:18C-4.3 Training requirements

(a) An applicant for firefighter I 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. 5:18C-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom hours of which one hour must be devoted to fire prevention;

v. Subject areas:

- (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; and
- (12) Fire Prevention.

vi. Required materials:

- (1) Copy of ordinance, certificate of incorporation or other document creating fire department;
- (2) Map showing geographical boundaries of fire department;
- (3) "Right to Know" brochure; and
- (4) Copy of Hazardous Substance Fact Sheet.

2. Module 2a: Forcible Entry

i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom;

v. Subject areas:

- (1) Reasons for forcible entry;
- (2) Identification and major function of the following forcible entry tools:
 - i. Pick head ax;

- ii. Flat head ax;
 - iii. Halligan bar;
 - iv. Circular saw;
 - v. Bolt cutters;
 - vi. Pike pole;
 - vii. Wrecking bar;
 - viii. Ceiling hook;
 - ix. Sledge hammer; and
 - x. All other tools used by the local fire department;
- (3) Safety requirements for tool usage and carrying;
- (4) Maintenance and inspection of tools;
- (A) Testing of tools; and
 - (B) Cleaning tools;
- (5) Methods of forcible entry:
- (A) Through doors;
 - (B) Through windows;
 - (C) Through roofs;
 - (D) Through floors and ceilings; and
 - (E) Through walls;
- (6) Forcible entry safety precautions;
- vi. Required materials:
- (1) Pick head ax;
 - (2) Flat head ax;
 - (3) Halligan bar;
 - (4) Circular saw;
 - (5) Bolt cutters;
 - (6) Pike pole;
 - (7) Wrecking bar;
 - (8) Ceiling hook;
 - (9) Sledge hammer; and
 - (10) All other tools used by the local fire department.
3. Module 2b: Forcible Entry Drill
- i. Facility requirements: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);
 - ii. Instructor requirements: 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 areas listed below. Performance will be determined by using skill evaluation forms provided by the Office of Training and Certification.

(1) Demonstrate the function of each tool listed below by simulating the use of the tool on teaching aid:

- (A) Pick head ax;
- (B) Flat head ax;
- (C) Halligan bar;
- (D) Circular saw;
- (E) Bolt cutters;
- (F) Pike pole;
- (G) Wrecking bar;
- (H) Ceiling hook; and
- (I) Sledge hammer;

(2) Demonstrate the methods of opening various types of windows;

(3) Demonstrate safety procedures to be followed in use of equipment;

(4) Demonstrate methods of properly cleaning, maintaining and inspecting each type of forcible entry tool and equipment;

(5) Identify each forcible entry tool;

vi. Required materials and tools:

- (1) Pick head ax;
- (2) Flat head ax;
- (3) Halligan bar;
- (4) Circular saw;
- (5) Bolt cutters;
- (6) Pike pole;
- (7) Wrecking bar;
- (8) Ceiling hook; and
- (9) Sledge hammer;

vii. Prerequisite: Module 2a—Forcible Entry.

4. Module 3a: Protective Breathing Apparatus

- i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);
- ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;
- iii. Examination: written;

iv. Hours required: three classroom;

v. Subject areas:

- (1) Respiratory hazards encountered by firefighters;
- (2) Types of required breathing apparatus;
- (3) Mechanical operating procedures for breathing equipment;
- (4) Inspection, testing and servicing procedures for breathing equipment;
- (5) Physical requirements of wearer;
- (6) Major components, purpose, use and limitations of breathing equipment;
- (7) Methods of donning breathing equipment;
- (8) Safety rules for use of breathing equipment;
- (9) Use of safety lines;
- (10) PEOSHA requirements for breathing equipment;
- (11) "Right to Know" requirements; and
- (12) Emergency operating techniques;

vi. Required materials:

- (1) PEOSHA approved breathing apparatus for demonstration.

5. Module 3b: Protective Breathing Apparatus Drill 1

- i. Facility Requirements: Drill Area Level A per N.J.A.C. 5:18C-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. Subject areas: 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 provided by the Office of Training and Certification.

- (1) Demonstrate donning breathing apparatus in full turn out gear;
- (2) Demonstrate care, maintenance and testing of breathing apparatus;
- (3) Demonstrate operation of breathing equipment;
- (4) Demonstrate use of tag line; and
- (5) Identify parts of breathing apparatus;

vi. Required materials and tools:

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

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

vii. Prerequisite: Module 3a—Protective Breathing Apparatus.

6. Module 3c: Protective Breathing Apparatus Drill 2

- i. Facility requirements: Smoke building per N.J.A.C. 5:18C-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. Subject areas: 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 provided by the Office of Training and Certification.

- (1) 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) Demonstrate use of equipment in dense smoke environment;

vi. Required materials and tools:

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

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

vii. Prerequisites:

- (1) Module 3a—Protective Breathing Apparatus; and

- (2) Module 3b—Protective Breathing Apparatus Drill 1.

7. Module 4a: Ropes and Knots

- i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

- ii. Instructor requirements: Instructor Level 1 certification;

- iii. Examination: written;

- iv. Hours required: one-half classroom;

v. Subject areas:

- (1) Use of rope in the fire service;

- (2) Care and maintenance of rope;

(3) Types and uses of following knots:

- (A) Square knot;
- (B) Becket bend;
- (C) Clove hitch;
- (D) Figure 8 knot;
- (E) Bowline;
- (F) Bowline-on-a-bight; and
- (G) Chimney hitch;

(4) Types and characteristics of rope; and

(5) Methods of using rope to hoist tools;

vi. Required materials:

- (1) Pieces of practice rope at least six feet in length; and
- (2) One or more 100 feet or longer sections of one-half inch rope.

8. Module 4b: Ropes and Knots Drill

i. Facility requirements: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: skills test;

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

v. Subject areas: 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 provided by the Office of Training and Certification.

(1) Demonstrate procedure for inspecting rope;

(2) Demonstrate tying the following knots;

- (A) Square knot;
- (B) Becket band;
- (C) Clove hitch;
- (D) Figure 8 knot;
- (E) Bowline;
- (F) Bowline-on-a-bight; and
- (G) Chimney hitch;

(3) Demonstrate storing, bagging and coiling rope;

(4) Using an approved knot, hoist a forcible entry tool up a ladder to a height of at least 20 feet;

vi. Required materials and tools:

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

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

vii. Prerequisite: Module 4a—Ropes and Knots.

9. Module 5a: Salvage and Overhaul

i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: One Classroom;

v. Subject areas:

(1) Definition and purpose of salvage and overhaul;

(2) Salvage and overhaul terminology;

(3) Salvage organization and duties;

(4) Types of salvage equipment, including covers and tools;

(5) Methods of inspecting, cleaning, maintaining and storing salvage equipment;

(6) Methods of folding and spreading salvage covers;

(7) Methods of handling water removal and handling water run-off;

(8) Techniques for removing debris from the building and restoring the premises;

(9) Techniques for searching for and extinguishing hidden fires; and

(10) Safety precautions during overhaul.

10. Module 5b: Salvage and Overhaul Drill

i. Facility requirements: Drill Area A per N.J.A.C. 5:18C-2.4(c);

ii. Instructor requirements: 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 will be determined by using skill evaluation forms provided by the Office of Training and Certification.

(1) Demonstrate folding and spreading salvage covers:

(A) One person roll and spread;

(B) Two person roll and spread; and

(C) Two person fold;

(2) Demonstrate proper procedures for inspecting, cleaning, maintaining and storing salvage equipment;

(3) Demonstrate methods of removing and routing water from a structure;

(4) Demonstrate the construction and use of a water chute and catch all;

vi. Required materials:

(1) Salvage covers of assorted sizes;

vii. Prerequisite: Module 5a—Salvage and Overhaul.

11. Module 6a: Fire Hose, Nozzles, and Appliances

i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom;

v. Subject areas:

(1) Types, construction and use of hose, and nozzles;

(2) Inspection, testing and maintenance of hose;

(3) Types and uses of coupling attachments;

(4) Advancing and operating hose line;

(5) Hydrant hookup and operation;

(6) Types of hose lays;

(7) Hose carries, drags and rolls;

(8) Techniques of connecting hose to standpipe and operating hose from a standpipe;

(9) Methods of replacing burst section of hose line;

(10) Techniques of advancing a hose up a ladder and hoisting hose;

(11) Methods and techniques of advancing a hose from a pumper; and

(12) Methods of loading fire hose on an apparatus.

12. Module 6b: Fire Hose, Nozzles and Appliances Drill 1

i. Facility requirements: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);

ii. Instructor requirements: 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 areas listed below. Performance shall be determined by using skill evaluation forms provided by the Office of Training and Certification.

(1) Demonstrate the connection of a fire hose to a hydrant;

(2) Demonstrate the proper procedure for cleaning hose, couplings and nozzles;

(3) Demonstrate inspecting and testing hose for damage and recommend replacement or repairs;

(4) Demonstrate at least three hose rolls;

(5) Demonstrate at least two hose carries;

(6) Demonstrate at least two hose drags;

(7) Demonstrate hose lays;

(8) Demonstrate the methods for extending a hose line and replacing a burst section;

(9) Demonstrate the use of nozzles, hose adaptors and appliances;

(10) Demonstrate the loading of a hose on the fire apparatus; and

(11) Demonstrate making hose connections;

vi. Required materials:

(1) Several hundred feet of hose used locally;

(2) Nozzles;

(3) Access to a fire hydrant; and

(4) Spanner and hydrant wrenches;

vii. Prerequisite: Module 6a—Fire Hose, Nozzles and Appliances

13. Module 6c: Fire Hose, Nozzles and Appliances Drill 2

i. Facility requirements: Drill Tower per N.J.A.C. 5:18C-2.4(g);

ii. Instructor requirements: Instructor Level 2 certification;

iii. Examination: skills test;

iv. Hours required: six 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 skill evaluation forms provided by the Office of Training and Certification.

(1) The firefighter 1 candidate, given the necessary equipment and operating as an individual and 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 an inside stairway to an upper floor;
- (D) Up an outside stairway to an upper floor;
- (E) Down an inside stairway to a lower floor;
- (F) Down an outside stairway to a lower floor;
and
- (G) To an upper floor by hoisting;

(2) The firefighter 1 candidate, given the necessary equipment and operating as an individual and as a member of a team, shall advance charged attack 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 an inside stairway to an upper floor;
- (D) Up an outside stairway to an upper floor;
- (E) Down an inside stairway to a lower floor;
- (F) Down an outside stairway to a lower floor;
and
- (G) 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) Rope hose tools;
- (4) Nozzles;
- (5) Hose hoist; and
- (6) Rope;

vii. Prerequisites:

- (1) Module 6a—Fire Hose, Nozzles and Appliances; and
- (2) Module 6b—Fire Hose, Nozzles and Appliances Drill 1;
- (3) Module 13a—Safety;
- (4) Module 13b—Safety Drill;

- (5) Module 8a—Ladders;
- (6) Module 8b—Ladder Drill 1; and
- (7) Module 8c—Ladder Drill 2.

14. Module 7: Fire Streams

- i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);
- ii. Instructor requirements: Instructor Level 1 certification;
- iii. Examination: written;
- iv. Hours required: three classroom;
- v. Subject areas:

(1) Definition of fire streams and fire stream technology;

(2) Requirements, principles and characteristics of fire streams;

(3) Methods of producing fire streams;

(4) Design, use and operation of various types of nozzles;

(5) Water as an extinguishing agent;

(6) Conditions that cause pressure loss in hose; and

(7) Definition of water hammer and means of prevention;

vi. Prerequisites:

(1) Module 6a—Fire Hose, Nozzles and Appliances; and

(2) Module 6b—Fire Hose, Nozzles and Appliances Drill 1.

15. Module 8a: Ladders

i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor requirements: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one classroom;

v. Subject areas:

(1) Types of ladders and ladder terminology;

(2) Ladder construction and use;

(3) Methods of ladder visual inspection and maintenance;

(4) Methods of removing ladders from apparatus;

(5) Methods of carrying and manipulating ground ladders;

- (6) Proper ladder placement;
- (7) Methods of raising and climbing ladders;
- (8) Methods of securing ladders;
- (9) Equipment and techniques to safely work while on ladders;
- (10) Methods of assisting victims down a ladder, ladder rescue;
- (11) Ladder safety;
- (12) Methods of advancing a hose up a ladder; and
- (13) Techniques of using a charged line from a ladder.

16. Module 8b: Ladders Drill 1

- i. Facility requirements: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);
- ii. Instructor requirements: 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 provided by the Office of Training and Certification.

(1) Demonstrate visual inspection for different types of ladders;

(2) Demonstrate proper procedure for cleaning ladders;

(3) Demonstrate ladder carries:

- (A) One person;
- (B) Two persons;
- (C) Three persons;
- (D) Four persons;
- (E) Five persons; and
- (F) Six persons;

(4) Demonstrate the following ladder raises as an individual and as a team:

- (A) Flat raise;
- (B) Beam raise; and
- (C) Under obstruction;

vi. Required materials:

- (1) Assorted ladders; and
- (2) Rope;

vii. Prerequisite: Module 8a—Ladders.

17. Module 8c: Ladders Drill 2

i. Facility required: Drill Tower per N.J.A.C. 5:18C-2.4(g);

ii. Instructor required: Instructor Level 2 certification;

iii. Examination: skills test;

iv. Hours required: six 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 skill evaluation forms provided by the Office of Training and Certification.

(1) Raise the following ladders:

- (A) 12 to 14 foot roof ladder;
- (B) 24 to 28 foot extension ladder; and
- (C) 35 foot extension ladder;

(2) Climb the full length of the following ground ladders:

- (A) 12 to 14 foot roof ladder;
- (B) 24 to 28 foot extension ladder; and
- (C) 35 foot extension ladder;

(3) Climb the 35 foot ladders carrying the following fire fighting tools and equipment:

- (A) Axe;
- (B) Pike pole; and
- (C) 14 foot roof ladder

(4) Demonstrate the methods of working from a ladder with and without a life belt;

(5) Climb the full length of the ladder and demonstrate bringing an injured person down (using a training aid dummy);

(6) Using an approved knot, hoist a selected forcible entry tool and ground ladder to a height of at least 20 feet;

(7) Demonstrate the method of working from a ladder with charged lines of two different sizes, both of which shall be one and one-half inch or larger from a pumper;

(8) Demonstrate method of lowering a victim using bowline on bight rescue knot;

vi. Required materials:

- (1) Ladders of the following sizes:
 - (A) 12 to 14 foot roof ladder;

- (B) 24 to 28 foot extension ladder; and
- (C) 35 foot extension ladder
- (2) Life belt;
- (3) Training aid dummy for practice;
- (4) Small entry tools; and
- (5) Rope;
- vii. Prerequisites:
 - (1) Module 8a—Ladders;
 - (2) Module 8b—Ladders Drill 1;
 - (3) Module 6a—Fire Hose, Nozzles and Appliances;
 - (4) Module 6b—Fire Hose, Nozzles and Appliances Drill 1
 - (5) Module 13a—Safety;
 - (6) Module 13b—Safety Drill;
 - (7) Module 4a—Ropes and Knots; and
 - (8) Module 4b—Ropes and Knots Drill.
- 18. Module 9a: Ventilation
 - i. Facility requirements: Classroom Level A per N.J.A.C. 5:18C-2.4(b);
 - ii. Instructor requirements: Instructor Level 1 certification and SCBA/Smokehouse certificate;
 - iii. Examination: written;
 - iv. Hours required: three classroom;
 - v. Subject areas:
 - (1) Definition of ventilation;
 - (2) Principles of ventilation;
 - (3) Advantages of ventilation;
 - (4) Safety precautions;
 - (5) Vertical and horizontal ventilation;
 - (6) Principles and methods of forced ventilation; and
 - (7) Techniques of using water fog to expel smoke and gas;
 - vii. Prerequisites:
 - (1) Module 8a—Ladders; and
 - (2) Module 8b—Ladders Drill 1;
- 19. Module 9b: Ventilation Drill
 - i. Facility requirements: Drill Area Level A per N.J.A.C. 5:18C-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. Subject areas: 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 provided by the Office of Training and Certification.
 - (1) Demonstrate proper method of creating a ventilation opening;
 - (2) Demonstrate proper techniques of horizontal ventilation; and
 - (3) Demonstrate proper techniques of mechanical ventilation;
 - vi. Prerequisites:
 - (1) Module 3a—Protective Breathing Apparatus;
 - (2) Module 3b—Protective Breathing Apparatus Drill 1;
 - (3) Module 9a—Ventilation;
 - (4) Module 2a—Forcible Entry; and
 - (5) Module 2b—Forcible Entry Drill.
- 20. Module 10a: Rescue
 - i. Facility requirement: Classroom Level A per N.J.A.C. 5:18C-2.4(b);
 - ii. Instructor requirement: Instructor Level 1 certification;
 - iii. Examination: written;
 - iv. Hours required: one classroom;
 - v. Subject areas:
 - (1) Situations involving rescue operations;
 - (2) Safety precautions during rescue;
 - (3) Rescue tools;
 - (4) Rescue procedures;
 - (5) Search and rescue techniques;
 - (6) Methods of removing victims from hazard:
 - (A) Carries and drags;
 - (B) Placing victim on stretcher; and
 - (C) Lowering a victim; and
 - (7) Elevator evacuation;
 - vi. Prerequisites:
 - (1) Module 3a—Protective Breathing Apparatus;

- (2) Module 3b—Protective Breathing Apparatus Drill 1;
- (3) Module 8c—Ladder Drill 2; and
- (4) Module 14—Fire Behavior.
21. Module 10b: Rescue Drill
- i. Facility required: Drill Area Level A per N.J.A.C. 5:18C-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 provided by the Office of Training and Certification.
- (1) Demonstrate methods of locating victims;
- (2) Demonstrate procedures to be used in rescuing victim from electrical contact;
- (3) Demonstrate the following carries and drags:
- (A) Lone rescuer lift and carry;
- (B) Extremities carry;
- (C) Bunker coat or blanket drag;
- (D) Hip carry—one person;
- (E) Seat carry—two persons;
- (F) Chair carry—two persons;
- (G) Carrying stretchers; and
- (H) Improvised stretcher with pike poles;
- vi. Required materials:
- (1) Rope;
- (2) Pike poles;
- (3) Blankets; and
- (4) Stretchers
- vii. Prerequisites:
- (1) Module 3a—Protective Breathing Apparatus;
- (2) Module 3b—Protective Breathing Apparatus Drill 1;
- (3) Module 8c—Ladder Drill 2;
- (4) Module 14—Fire Behavior;
- (5) Module 10a—Rescue;
- (6) Module 8a—Ladders;
- (7) Module 8b—Ladders Drill 1;
- (8) Module 4a—Ropes and Knots;
- (9) Module 4b—Ropes and Knots Drill;
- (10) Module 13a—Safety;
- (11) Module 13b—Safety Drill;
- (12) Module 14—Fire Behavior;
- (13) Module 9a—Ventilation; and
- (14) Module 9b—Ventilation Drill.
22. Module 11a: Sprinklers
- i. Facility required: Classroom Level A per N.J.A.C. 5:18C-2.4(b);
- ii. Instructor required: Instructor Level 1 certification;
- iii. Examination: written;
- iv. Hours required: one classroom;
- v. Subject areas:
- (1) Types and components of sprinkler system;
- (2) Types of and operation of sprinkler heads;
- (3) Purpose and operation of fire department sprinkler connection; and
- (4) Waterflow alarms.
23. Module 11b: Sprinkler Drill
- i. Facility required: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);
- ii. Instructor required: Instructor Level 1 certification;
- iii. Examination: skills test;
- iv. Hours required: one drill hour;
- 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 skill evaluation forms provided by the Office of Training and Certification.
- (1) Demonstration of fire department connection; and
- (2) 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 11a—Sprinklers.
24. Module 12: Fire Alarm and Communications
- i. Facility required: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: one classroom;

v. Subject areas:

(1) Procedure for a person to report a fire or other emergency;

(2) Procedure for initiating an action after receiving alarm:

(A) Method of receiving and recording calls;

(B) Method of establishing location and nature of emergency;

(C) Methods of dispatching equipment and apparatus;

(3) Purpose and function of alarm receiving instruments;

(4) Purpose and function of traffic control devices;

(5) Fire alarm signals;

(6) Organization of county/local network;

(7) Policy and procedures for ordering and transmitting multiple alarms from the emergency scene; and

(8) Types of fire alarm signals

vi. Required materials:

(1) Local radio operating procedures; and

(2) County radio operating procedures where applicable.

25. Module 13a: Safety

i. Facility required: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: two classroom;

v. Subject areas:

(1) Protective clothing:

(A) PEOSHA requirements;

(B) Right to know requirements;

(C) Types of clothing;

(D) Care, maintenance testing and repair procedures; and

(E) Donning and wearing procedures;

(2) Types and causes of occupational injuries;

(3) Proper methods of going to and from a fire:

(A) Mounting a vehicle;

(B) Riding apparatus; and

(C) Dismounting vehicle;

(4) Safety at the fire scene:

(A) Toxic gas/respiratory hazards;

(B) Structural hazards; and

(C) Electrical hazards.

26. Module 13b: Safety Drill

i. Facility required: Drill Area Level A per N.J.A.C. 5:18C-2.4(c);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: skills test;

iv. Hours required: one hour drill;

v. Subject areas: 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 provided by the Office of Training and Certification.

(1) Demonstrate testing and maintenance requirements for each article of personal protective equipment;

(2) Demonstrate donning personal protective equipment; and

(3) Demonstrate proper procedures for mounting and demounting a vehicle;

vi. Required materials and tools:

(1) OSHA approved personal protective clothing for each student;

vii. Prerequisite: Module 13a—Safety.

27. Module 14: Fire Behavior

i. Training facility: Classroom Level A per N.J.A.C. 5:18C-2.4(b);

ii. Instructor required: Instructor Level 1 certification;

iii. Examination: written;

iv. Hours required: three classroom;

v. Subject areas:

(1) Definitions of terms used to describe fire activity;

(2) Basic theory of combustion;

(A) Fire triangle/tetrahedron; and

- (B) Heat sources;
- (3) Phases of a fire:
 - (A) Incipient;
 - (B) Flame spread;
 - (C) Hot smoldering;
 - (D) Flash over and backdraft;
 - (E) Steady state; and
 - (F) Clear burning;
- (4) Heat transfer;
- (5) Products of combustion;
- (6) Common paths of fire spread;
- (7) Classes of fire;
- (8) Fire extinguishment theories; and
- (9) Thermal balance.

28. Module 15: Portable Fire Extinguishers

- i. Training facility: Classroom Level 1 per N.J.A.C. 5:18C-2.4(b);
- ii. Instructor level: Instructor Level 1 certification;
- iii. Examination: written;
- iv. Hours required: three classrooms;
- v. Subject areas:
 - (1) Extinguisher rating system;
 - (2) Types of fire extinguishers and selection of extinguisher for various types of fires;
 - (3) Capabilities, advantages and limitations of various extinguishers;
 - (4) Identification of damaged or obsolete extinguishers;
 - (5) Proper care and inspection of fire extinguishers; and
 - (6) Types of extinguishing agents;
- vi. Prerequisites:
 - (1) Module 14—Fire Behavior;
 - (2) Module 13a—Safety; and
 - (3) Module 13b—Safety Drill.

29. Module 16: Live Fire Evolution

- i. Facility requirements: Live burn facility per N.J.A.C. 5:18C-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. Subject areas: 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 provided by the Office of Training and Certification.

- (1) Demonstrate manipulating a fire hose nozzle so as to attack at least two live fires, including a Class A fire and a Class B liquid fire;
- (2) Demonstrate attack on automobile fire;
- (3) Demonstrate the proper positioning of attack lines;
- (4) Demonstrate interior fire attack;
- (5) Demonstrate by simulation the use of all 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;
- (D) Dry chemical extinguishers;
- (6) Demonstrate inspection of fire extinguisher;

- vi. Prerequisite: All Modules.

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”.

5:18C-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.

5:18C-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. 5:18C-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)
- 20. Module 35: Below Grade/Confined Space Rescue—(Reserved)

SUBCHAPTER 5. INSTRUCTORS

5:18C-5.1 General provisions

It is the object of this subchapter to establish criteria for certification of various levels of instructors of fire service courses.

5:18C-5.2 Instructor Level 1

(a) The Instructor Level 1 may provide training for those modules or courses in this chapter where Instructor Level 1 certification is required.

(b) To obtain a certification as an Instructor Level 1, an individual shall verify a minimum of two years experience as a certified Firefighter I and shall meet the following requirements:

1. Be at least 18 years of age;
2. Satisfactorily complete the 16 hour course "Instruction Techniques: Instructor Level 1" as specified in (c) below;
3. Satisfactorily complete the 16 hour Fire Service Instructor General Safety Course as specified in (d) below;
4. Satisfactorily pass the safety skills test specified in (e) below; and
5. Satisfactorily pass the written test specified in (f) below.

(c) The following standard applies to programs designed to satisfy the requirements for the course "Instruction Techniques: Instructor Level 1":

1. Hours required: 16;
2. Subject areas. The course must cover the following subject areas:
 - i. Communication;
 - ii. Concepts of learning/adult learning;
 - iii. Human relations in the teaching-learning environment;
 - iv. Methods of teaching;
 - v. Organizing the learning environment;
 - vi. Performance evaluation;
 - vii. Records and reports;
 - viii. Testing and evaluation;
 - ix. The instructor's roles and responsibilities;
 - x. The lesson plan;
 - xi. The teaching technique; and
 - xii. The use of instructional materials;

3. The following certificates, courses or experience will be accepted as substitutes for the course "Instruction Techniques: Instructor Level 1":

- i. A valid New Jersey Teacher's Certificate;
- ii. A valid Instructional Certificate with an endorsement for a teacher of skilled trades: fire science;
- iii. The course "Instructional Techniques for Company Officers" as developed by the National Fire Academy taken prior to the July 1, 1994;
- iv. Any other course taken prior to the effective date of this chapter can be submitted by the candidate to the Office of Training and Certification for an evaluation by the office as equivalent. The office will maintain a list of reviewed and approved substitute courses; or
- v. Two years of experience as a fire service instructor with at least 10 contact hours of instruction between February 5, 1988 and July 1, 1994 may be substituted for the "Instruction Techniques: Instructor Level 1" course.

(d) Applicants for an Instructor Level 1 certificate must complete the 16 hour safety course promulgated by the Office of Training and Certification. The approved course materials are incorporated by reference and are provided by the Office of Training and Certification, Division of Fire Safety, Department of Community Affairs, PO Box 809, Trenton, New Jersey 08625-0809.

(e) Applicants for the Instructor Level 1 certification shall demonstrate competence by successful completion of the Instructor Level 1 Skills examination administered through the Office of Training and Certification.

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

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

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

Administrative change.

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

Amended by R.1997 d.123, effective March 17, 1997.

See: 28 N.J.R. 5124(a), 29 N.J.R. 869(a).

In (b), inserted two years experience verification requirement; in (b)3, substituted "Fire Service Instructor General Safety Course" for "course, 'Instructor I Level I Safety' " and deleted (f)1, providing that specified experience could substitute for the written exam.

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

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

In (c), deleted "until July 1, 1996" at the end of the introductory paragraph of 3.

5:18C-5.3 Instructor Level 2

(a) The Instructor Level 2 may provide training for those modules or courses in this chapter where Instructor Level 1 or 2 is required.

(b) To obtain a certification as Instructor Level 2, an individual must verify a minimum of two years experience as a certified Firefighter I and meet the following requirements:

1. Be at least 18 years of age;
2. Possess a certification as Instructor Level 1 for at least two years;
3. Satisfactorily complete the 45 hour course "Instruction Techniques: Instructor Level 2" as specified in (c) below;
4. Satisfactorily pass the skills test specified in (d) below; and
5. Satisfactorily pass the written test specified in (e) below.

(c) The following standard applies to programs designed to satisfy the requirements for the course "Instruction Techniques: Instructor Level 2":

1. Hours required: 45;
2. Subject areas: The course must cover the following subject areas:
 - i. Methods of instruction;
 - ii. Lesson development;
 - (1) Task analysis;
 - (2) Writing lesson objectives (behavioral or performance);
 - (3) Preparing basic projected visual aids:
 - (A) Overhead transparencies;
 - (4) Preparing non-projected visual aids:
 - (A) Charts and graphs;
 - (5) Preparing demonstration materials:
 - (A) Models;
 - (B) Mock-ups; and
 - (C) Cutaways;
 - (6) Preparing printed materials:
 - (A) Student handout materials;

iii. Testing and evaluation:

- (1) Developing lesson examinations (written, oral and performance); and
- (2) Evaluating examinations;

3. Presentations: Each student shall make the following presentations:

- i. A seven minute presentation;
- ii. A 15 minute presentation; and

iii. A 30 minute presentation which is videotaped and reviewed with instructor;

4. The following certificates or courses can be substituted for the course "Instruction Techniques: Instructor Level 2":

i. A valid New Jersey Teachers Certificate;

ii. A valid Instructional Certificate with an endorsement for a teacher of skilled trades: fire science;

iii. The course "Educational Methodology" as developed by the National Fire Academy taken prior to July 1, 1994.

iv. Any other course taken prior to July 1, 1994 can be submitted by the candidate to the Office of Training and Certification for evaluation as an equivalent. The office will maintain a list of reviewed and approved substitute courses; or

v. Two years of experience as a fire service instructor with 20 contact hours of instruction between February 5, 1988 and July 1, 1994.

(d) Applicants for the Instructor Level 2 certification shall demonstrate competence by successful completion of the Instructor Level 2 Skills examination administered through the Office of Training and Certification.

(e) Applicants for the Instructor Level 2 certification shall demonstrate knowledge of the subject areas by successful completion of the Instructor Level 2 written examination administered through the Office of Training and Certification.

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

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

Amended by R.1997 d.123, effective March 17, 1997.

See: 28 N.J.R. 5124(a), 29 N.J.R. 869(a).

In (b), inserted two years experience verification requirement; and deleted (b)2i, (b)5i, and (e)1, providing that specified experience could substitute for the written exam.

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

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

In (c), deleted "Until July 1, 1996;" at the beginning of 4.

5:18C-5.4 Special instructor certificates

(a) In addition to the Instructor Level 1 or Instructor Level 2 certifications, individuals shall possess special certificates as indicated in this chapter to teach specific modules.

(b) The following apply to the live burn instructor certificate:

1. A live burn certificate is required to teach specified modules for firefighter 1.

2. An individual seeking a live burn instructor certificate shall complete the following requirements:

i. Possess a certificate as Instructor Level 1 or Instructor Level 2; and

ii. Successfully complete the eight hour live burn course promulgated by the Office of Training and Certification, including instructor and student manuals, which is incorporated herein by reference. The course materials are provided by the Office of Training and Certification, Division of Fire Safety, CN 809, Trenton, N.J. 08625.

(c) The following apply to the SCBA/Smokehouse certificate:

1. An individual seeking a SCBA/Smokehouse certificate shall meet the following requirements:

i. Possess a certificate as an Instructor Level 1 or Instructor Level 2; and

ii. Successfully complete the eight hour SCBA/Smokehouse course promulgated by the Office of Training and Certification, including instructor and student manuals, which is incorporated herein by reference. The course materials are provided through the Office of Training and Certification, Division of Fire Safety, CN 809, Trenton, N.J. 08625.

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

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

Administrative change.

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

Amended by R.1997 d.123, effective March 17, 1997.

See: 28 N.J.R. 5124(a), 29 N.J.R. 869(a).

In (b), substituted "following apply to" for "following relate to"; deleted (b)2iii, requiring completion of the live burn instructor written and skills examination; and deleted (c)1iii, requiring completion of SCBA/Smokehouse instructor written and skills examination.

SUBCHAPTER 6. HAZARDOUS MATERIALS/INCIDENT MANAGEMENT SYSTEM CERTIFICATION

Authority

N.J.S.A. 52:27D-25d, 52:27D-198 and 52:27D-219.

Source and Effective Date

R.1996 d.84, effective March 4, 1996.

See: 27 N.J.R. 1845(a), 28 N.J.R. 1377(b).

5:18C-6.1 Incident management system certification

(a) All fire service personnel shall satisfactorily complete the two hour training module: ICS Orientation, Incident Command System of the National Training Curriculum by February 17, 1999.

(b) A certification for Incident Management Level 1 shall be granted to a member of the fire service who meets the following requirements:

1. Shall have been a member of a fire department for at least three years prior to application. (Proof of mem-

bership shall be verified in writing by the chief of department on fire department letterhead);

2. Shall have obtained Firefighter I certification per N.J.A.C. 5:18C-4.2 above;

3. Shall have satisfactorily completed the 12 hours of I-200 Basic Incident Command System modules of the National Training Curriculum in effect on February 17, 1998, as follows:

- i. Principles and features—two hours;
- ii. Organization overview—four hours;
- iii. Incident facilities—two hours;
- iv. Resources—two hours; and
- v. Common responsibilities—two hours.

(c) A certification for Incident Management Level 2 shall be granted to a member of the fire service who meets the following requirements:

1. Shall have obtained Incident Management Level 1 certification per (b) above;

2. Shall have satisfactorily completed the 27 hours of I-300 Intermediate Incident Command System modules of the National Training Curriculum in effect on February 17, 1998, as follows:

- i. Organization and staffing—six hours;
- ii. Organizing for incidents—five hours;
- iii. Incident resource management—four hours;
- iv. Air operations—four hours; and
- v. Incident and event planning—eight hours.

(d) A certification for Incident Management Level 3 shall be granted to a member of the fire service who meets the following requirements:

1. Shall have obtained Incident Management Level 2 certification per (c) above;

2. Shall have satisfactorily completed the 22 hours of I-400 Advanced Incident Command System modules of the National Training Curriculum in effect on February 17, 1998 as follows:

- i. General and command staff—six hours;
- ii. Unified command—six hours.
- iii. Major incident management—four hours; and
- iv. Area command—six hours.

(e) A course that is considered by the applicant to be substantially the same as the module(s) listed in (b)3, (c)2 and (d)2 above may be submitted for review and approval by the Division in place of the cited module(s). The Division shall maintain a list of reviewed and approved substitute courses.

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

5:18C-6.2 Hazardous Materials—Awareness

(a) To obtain a Hazardous Materials—Awareness certification, an individual must have previously received Firefighter I certification issued by the Division of Fire Safety and must satisfactorily complete either:

1. A course that meets the requirements for Hazardous Materials—Awareness certification set forth in 29 CFR 1910.120; or
2. A course of instruction for Firefighter I certification approved in accordance with N.J.A.C. 5:18C-2.3(g).

5:18C-6.3 Hazardous Materials—Operational

(a) To obtain a Hazardous Materials—Operational certification, an individual must:

1. Have previously received Hazardous Materials—Awareness certification; and
2. Have satisfactorily completed a course that meets the requirements for Hazardous Materials—Operational certification set forth in 29 CFR 1910.120.

5:18C-6.4 Hazardous Materials—On-Scene Incident Commander

(a) To obtain a Hazardous Materials—On-Scene Incident Commander certification, an individual must:

1. Have previously received Hazardous Materials—Operational certification; and
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.

5:18C-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).