



## LIVE FIRE TRAINING - OPERATIONS LEVEL COURSE

EFFECTIVE July 1, 2021

### COURSE DESCRIPTION

NFPA 1403, *Standard on Live Fire Training Evolutions* involves specific requirements for pre-requisite training, evolution planning, development, implementation, supervision and management oversight, monitoring, and records management of live fire training evolutions in acquired structures, training center burn buildings, and a variety of types of exterior fire evolutions.

This course will provide students with an introduction to the necessary knowledge and tools to properly prepare and conduct live fire training evolutions. The course includes an in-depth analysis of NFPA 1403, addressing evolutions at acquired structures; gas-fired training buildings; non-gas-fired training buildings; and exterior props, vehicle fires, and exterior class B fires.

The course is broken up into three parts and must consist of a minimum of twenty-four (24) course hours. The first part of the training contains extensive classroom activities, including scenario-based learning, group problem-solving/planning, and lecture, culminating in a written examination. The second and third parts of the training include a live fire training practical, where students can put into practice the knowledge learned during the classroom portion of the course. The course concludes with a post-evolution debriefing. The combination of classroom and practical activities allows participants to apply the knowledge of the applicable standards to live fire training activities.

### CERTIFICATION

The Live Fire Instructor certification provides certificate holders with the knowledge, skills, and abilities necessary to safely conduct live fire training evolutions. The certification meets the **minimum requirements set forth in the nationally recognized standard, NFPA 1403: “Standard on Live Fire Training Evolutions.”**

- **The Live Fire Instructor certification is required effective January 1, 2021.**

To be eligible for certification, students shall successfully complete the twenty-four hour Live Fire Training Operations Course through an Ohio chartered fire training program. The course is designed to teach qualified fire instructors and assistant fire instructors the necessary skills, knowledge, and abilities to safely and successfully lead live fire training evolutions in accordance with their specific chartered fire training program’s standard operating procedures. The NFPA 1403 standard serves as the guidance document from which all of the course materials are based. The standard was created to train firefighters to avoid injuries and fatalities during live fire training evolutions. Compliance with the standard can dramatically decrease the likelihood of firefighter injuries and deaths.

Subsequent to successfully completing the Live Fire Training Operations Course, students will be required to achieve competency in the four job performance requirements – Instructor-in-Charge (Incident Commander), Instructor, Safety Officer, Fire Control Team – through an Ohio chartered fire training program.

### COURSE REQUIREMENTS

1. Lecture (Face-to-Face): 12 hours
2. Live fire training practical activities: 12 hours

## **CONTACT HOURS**

Student contact hours: 50 – 60 minutes = 1 hour; 25 – 30 minutes = ½ hour; full days (0800 – 1600) = 7 hours (assuming 1 hour for lunch unless otherwise documented). Instructional hours may include topic instruction, material review, and testing for knowledge, e.g., quizzes. Instructional hours shall not include practical skill testing, written testing for certification, or instruction on any topic(s) not listed on this guide.

## **ATTENDANCE POLICY**

100% attendance required with no make-up opportunities.

## **ADDITIONAL MATERIALS**

- Textbook: *Fire and Emergency Services Instructor 3rd Edition*, Jones & Bartlett Learning, *Live Fire Training, 2nd Edition*, Jones & Bartlett Learning, or *Live Fire Instructor, 1st Edition*, IFSTA
- Provided by instructors
  - ODPS Live Burn Plan

## **COURSE CONTENT**

Students shall be provided with:

- Information on live fire training legal considerations
- Information on preparation and training of live fire evolution instructors
- Pre-requisites to becoming a live fire training instructor
- Comprehensive review of the fundamental elements of the NFPA 1403, *Standard on Live Fire Training Evolutions*, including how to use NFPA 1403
- An understanding of the impact of NFPA 1403 on live fire training
- Information on the effects of live fire training on firefighter physiology
- The fundamental elements of planning for live fire training
- Information on live burn evolutions in acquired structures
- Information on live burn evolutions in gas-fired and non-gas-fired structures
- Information on nonstructural training props

Proper documentation of students meeting course objectives is required.

DIVISION OF EMERGENCY MEDICAL SERVICES

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## OHIO LIVE FIRE TRAINING – OPERATIONS LEVEL - INSTRUCTOR COURSE REQUIREMENTS

STANDARD / DIRECTIVE	O.A.C. REFERENCE	LIVE FIRE TRAINING - OPERATIONS LEVEL - CHARTER REQUIREMENTS (PRE-REQUISITES)
N/A	4765-24-02	In order to hold a Live Fire Instructor classification a chartered fire training program shall hold a Fire Instructor classification. The program shall have held such classification for at least two years, and shall have conducted at least one (1) Fire Instructor Course in the past two (2) years.
N/A	4765-24-02 4765-24-03 4765-24-15	<p>The chartered fire training program shall hold a Live Fire Instructor classification issued by the Ohio Department of Public Safety, Division of Emergency Medical Services. The classification shall be granted to a chartered fire training program that:</p> <ul style="list-style-type: none"> <li>• Meets all requirements as set forth in rule 4765-24-03 of the Administrative Code</li> <li>• Provides the curriculum as set forth in rule 4765-24-15 of the Administrative Code</li> <li>• Holds a Fire Instructor classification</li> <li>• Utilizes instructors in accordance with the following:                             <ul style="list-style-type: none"> <li>- Each instructor shall hold a current and valid Fire Instructor or Assistant Fire Instructor certificate in accordance with Chapter 4765-21 of the Administrative Code</li> <li>- Each instructor shall meet the Live Fire Instructor requirements set forth in paragraphs (C), (D), (E), and (F) of rule 4765-21-03 of the Administrative Code</li> <li>- Each instructor shall be appointed by the program director as a Live Fire Instructor Trainer</li> </ul> </li> <li>• Has authorization from its authorizing official to provide Live Fire instructor training courses</li> </ul>
NFPA 1403	4765-24-03	<p>The chartered fire training program shall have access to an appropriate burn structure and shall acquire/prepare all required permits or documentation. Structure must be safe and ready to burn prior to live fire portion(s) of the class.</p> <ul style="list-style-type: none"> <li>• Acquired structures shall meet requirements outlined in NFPA 1403, Chapter 5; with inspection form (NFPA 1403 Appendix A, Figure A.5.2.5) completed prior to live burn evolutions.</li> <li>• Gas fired structures shall meet requirements outlined in NFPA 1403 (Appendix A, Figure A6.2.1.1) prior to live burn evolutions.</li> <li>• Non-gas fired structures shall meet requirements outlined in NFPA 1403, Chapter 7; with inspection form (NFPA 1403 Appendix A, Figure A6.2.1.1) completed prior to live burn evolutions.</li> </ul>
N/A	4765-24-03	The chartered fire training program shall have access to non-structural props used to train firefighters.
NFPA 1403	4765-24-15	The Live Fire Training Operations Course shall be conducted in accordance with NFPA 1403, <i>Standard on Live Fire Training Evolutions</i> .
STANDARD / DIRECTIVE	O.A.C. REFERENCE	LIVE FIRE TRAINING – OPERATIONS LEVEL – INSTRUCTOR TRAINER REQUIREMENTS (COURSE INSTRUCTOR PRE-REQUISITES)
N/A	4765-24-15	Course instructors shall hold a valid Firefighter II certificate that is in good standing, issued under rule 4765-20-03 of the Administrative Code.
N/A	4765-21-03	Course instructors shall hold a valid Fire Instructor certificate that is in good standing, issued under rule 4765-21-03 of the Administrative Code.
N/A	4765-24-15	Course instructors shall have held the Fire Instructor certificate for at least five years.

STANDARD / DIRECTIVE	O.A.C. REFERENCE	LIVE FIRE TRAINING – OPERATIONS LEVEL – INSTRUCTOR TRAINER REQUIREMENTS (COURSE INSTRUCTOR PRE-REQUISITES)
N/A	4765-24-15	<p>Course instructors shall have operated extensively in the environment in which they will teach, and have an excellent understanding of all potential nuances and dangers the situation can present:</p> <ul style="list-style-type: none"> <li>• Instructors shall have assisted with at least ten (10) documented live burn evolutions conducted as part of a Firefighter I and/or Firefighter II course through an approved chartered fire training program, with an evolution defined as pre-burn through conclusion of the live fire training session.</li> <li>• Experience as an Assistant Instructor can be counted toward the ten (10) documented live burn evolutions.</li> </ul>
N/A	4765-24-15	<p>Course Instructors shall have served as a crew lead on at least five (5) live burn evolutions and as the Instructor-in-Charge (Incident Commander) on at least one (1) live burn training session in the preceding five (5) years, with an approved fire charter.</p>
N/A	4765-24-15	<p>Course instructors shall possess extensive knowledge regarding NFPA 1403, <i>Standard on Live Fire Evolutions</i> and other related NFPA standards, fire behavior, building construction, smoke reading, flow path management, and hostile fire events.</p>
N/A	4765-24-15	<p>Course instructors shall have successfully completed the state of Ohio “Live Fire Training Operations Course” including the Job Performance Requirements (JPRs) for Instructor, Safety Officer, Ignition Officer, and Incident Commander/Lead Instructor.</p>
N/A	4765-24-15	<p>Course instructors shall be physically fit enough to perform their duties, including emergency actions.</p>
N/A	4765-24-15	<p>Course instructors shall have at least two letters of recommendation, one from a chartered fire training program and one from a fire chief.</p>
N/A	4765-24-15	<p>Course instructors shall have successfully completed IS 700, ICS 100 or online equivalent, and ICS 200.</p>
STANDARD / DIRECTIVE	O.A.C. REFERENCE	LIVE FIRE TRAINING – OPERATIONS LEVEL—STUDENT ADMISSION REQUIREMENTS (PRE-REQUISITES)
N/A	4765-20-03	<p>Students shall hold a valid Firefighter certificate that is in good standing, issued under rule 4765-20-03 of the Administrative Code.</p>
N/A	4765-21-03	<p>Students shall hold a valid Fire Instructor or Assistant Fire Instructor certificate that is in good standing, issued under rule 4765-21-03 of the Administrative Code.</p>
N/A	Out of State Students	<p>Students from outside of the state of Ohio who wish to participate in this course:</p> <ul style="list-style-type: none"> <li>• Must show proof of a valid Firefighter certificate that is in good standing issued from their state.</li> <li>• Must show proof of a valid Fire Instructor or Assistant Instructor certification that is in good standing.</li> <li>• Must meet all other entry requirements.</li> </ul>
HSPD-5,8	4765-21-03	<p>Students shall have successfully completed National Incident Management System IS 700, ICS 100 or online equivalent, and ICS 200.</p>
N/A	4765-24-15	<p>Students shall have an agency/charter sponsor and shall provide a letter signed by their chief/program director and/or training officer approving their participation in the course.</p>

## OHIO LIVE FIRE INSTRUCTOR – CERTIFICATION REQUIREMENTS

STANDARD / DIRECTIVE	O.A.C. REFERENCE	QUALIFICATIONS FOR LIVE FIRE INSTRUCTOR CERTIFICATION
N/A	4765-21-03	Applicants shall hold a valid Fire Instructor or Assistant Fire Instructor certificate that is in good standing, issued under rule 4765-21-03 of the Administrative Code.
NFPA 1403	4765-21-03 4765-24-02	Applicants shall complete the "Live Fire Training Operations Course" through a chartered fire training program except that credit may be given for successful completion of a substantially similar live fire training course when approved by the executive director.
N/A	4765-21-03	Applicants shall submit a completed "Live Fire Instructor Initial Application" within 90 days after completion of the "Live Fire Training Operations Job Performance Requirement Check-Off."
N/A	Out of State Students	Students from outside of the state of Ohio will not be eligible to gain an Ohio Live Fire Instructor certification: <ul style="list-style-type: none"> <li>Out of state students upon completion of the Live Fire Training Operations Course and the Job Performance Requirements in accordance with rules 4765-21-03 and 4765-24-15 shall receive a certificate of completion from the fire charter.</li> </ul>

## OHIO LIVE FIRE TRAINING – OPERATIONS LEVEL - COURSE OBJECTIVES

STANDARD / DIRECTIVE	Resource: Live Fire Instructor, 1st Edition, IFSTA	Resource: Live Fire Training, 2nd Edition, Jones & Bartlett	Resource: Fire and Emergency Services Instructor, 3rd Edition, Jones and Bartlett	Introduction and Overview – 8 Hours At the conclusion of this module, participants will be able to describe the purpose, scope and application to provide a process for conducting live fire training in safe facilities that minimizes health and safety hazards.
NFPA 1403	N/A	N/A	N/A	Intro and Welcome- Course Overview
	Chapters 1&2	Chapters 1&2	Chapter 17	Live Fire Instructor
	Chapters 3&4	Chapters 3&4	Chapter 18	Pre burn Inspection and Planning
	Chapters 5-7	Chapters 5&6	Chapter 19	Conducting Burn Evolutions
	Chapter 8	Chapters 9&10	Chapter 20	Post Live Fire Evolution
STANDARD / DIRECTIVE	Resource: Live Fire Instructor, 1st Edition, IFSTA	Resource: Live Fire Training, 2nd Edition, Jones & Bartlett	Resource: Fire and Emergency Services Instructor, 3rd Edition, Jones and Bartlett	NFPA 1403 – 8 Hours At the conclusion of this module, participants will be able to describe the various considerations regarding live fire training including: NFPA 1403, completing a burn plan, and conducting evolutions.
NFPA 1403	NFPA 1403	NFPA 1403	NFPA 1403	NFPA 1403 2018 edition
	Handout	Handout	Handout	ODPS Burn Plan
	Handout	Handout	Handout	Live Fire Evolutions - ODPS JPR practice
STANDARD / DIRECTIVE	Resource: Live Fire Instructor, 1st Edition, IFSTA	Resource: Live Fire Training, 2nd Edition, Jones & Bartlett	Resource: Fire and Emergency Services Instructor, 3rd Edition, Jones and Bartlett	TESTING – 8 Hours
NFPA 1403	Handout	Handout	Handout	Burn Plan Projects
	Skill Sheets	Skill Sheets	Skill Sheets	Remaining JPR skills testing Live Fire Instructor in Charge