

HANDBOOK FOR KENTUCKY FIRE INSTRUCTORS



January 2024

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Kentucky Fire Commission
State Fire/Rescue Training
110 Cleveland Drive
Paris, KY 40361
1-800-782-6823

Section One

Fire Training Course Code Lists



KENTUCKY FIRE COMMISSION TRAINING COURSE CODES

1-800-782-6823

www.kyfirecommission.kctcs.edu

859-256-3125

Revised 1/2024

A0000	Administration & Organization	Q0000	Rescue	AA0000	Fire Officer Training
B0000	Safety	Q0001	Vehicle Extrication	AA0001	Fire Officer 1
B0001	Cancer Awareness	Q0002	Collapse Rescue	AA0002	Fire Officer 2
B0002	Traffic Incident Management	Q0003	Trench Rescue	AA0003	Chief Fire Officer
B0003	Response to Opioid Emergencies	Q0004	Confined Space Rescue	BB0000	Methodology
B0004	Suicide Awareness & PTSD/Silent Mayday	Q0005	Water Rescue (Swift & Ice Rescue, Boat Ops)	BB0001	Methodology-Fire Instructor 1
B0005	Active Shooter/Hostile Events (ASHER)	Q0006	Farm & Machinery Rescue	BB0002	Methodology-Fire Instructor 2
C0000	Communications	Q0007	Rope Rescue (High/Low Angle)	BB0003	Methodology-Bridge/Refresher
D0000	Fire Behavior	Q0008	Dive Rescue	BB0004	Methodology-NFPA 1403/Live Fire Instructor
E0000	Extinguishers	Q0009	Large Animal Rescue	CC0000	Drivers Training
F0000	Personal Protective Equipment	R0000	Water Supply	CC0001	Drivers Training-POV
G0000	Forcible Entry	S0000	Fire Protection Systems (Alarms & Sprinklers)	DD0000	Fire Inspector
H0000	Ventilation	T0000	Hazardous Materials	DD0001	Fire Inspector 1
I0000	Ropes-Basic	T0001	Hazardous Materials Awareness	DD0002	Fire Inspector 2
J0000	Ladders	T0002	Hazardous Materials Operations	DD0003	Pre-Planning & Inspections Training
K0000	Hose, Nozzles, Appliances	T0003	Hazardous Materials Technician	FF0000	Incident Command / NIMS
L0000	Foam	T0004	Hazardous Materials Refresher	FF0001	ICS 100
M0000	Fire Control	U0000	Fire Prevention-Public Education	FF0002	ICS 200
M0001	Structural Firefighting	V0000	Building Construction	FF0003	ICS 300
M0002	Vehicle Firefighting	W0000	Aircraft	FF0004	ICS 400
M0003	Flammable Liquids Firefighting	W0001	Airport Familiarization	FF0007	ICS 700
M0004	Flammable Gases Firefighting	W0002	Aircraft Familiarization	FF0008	ICS 800
M0005	Dumpster/Container Firefighting	W0003	ARFF Personnel Safety	GG0000	Grandfather Hours
N0000	Loss Control (Salvage/Overhaul)	W0004	Emergency Communications	HH0000	Aerial Operations
O0000	Victim Search & Rescue	W0005	Application of Agents	II0000	Special Topics in Firefighting
P0000	Emergency Medical Care	W0006	Hoses, Nozzles, and Turrets	II0001	Drones for the Emergency Services
P0001	CPR/AED Health Care Provider/Professional	W0007	Emergency Aircraft Evacuation	II0002	Response to Special Needs Population
P0002	HIV/AIDS	W0008	Firefighter Operations	JJ0000	Chaplain Training
P0003	Emergency Medical Responder	W0009	Adapting Structural Equipment	KK0000	Health and Wellness
P0004	Emergency Medical Technician	W0010	Aircraft Cargo Hazards/Dangerous Goods	LL0000	Forestry Firefighting
P0005	Paramedic	W0011	Duties Under Airport Emergency Plan (AEP)	LL0001	Fire Control (S-130)
P0008	Airway	W0012	Live Fire Drill	LL0002	Fire Behavior (S-190)
P0010	Medical Emergencies	W0013	Other ARFF Duties	LL0003	Urban Interface (S-215)
P0011	Trauma	X0000	Emergency and Disaster Planning	FC10000	KY Firefighter Survival (Classroom Lecture)
P0014	Operations	Y0000	Cause & Origin/Fire Investigation	FC11000	KY Firefighter Survival (All Skills Required)
P0015	ACLS	Y0001	Arson 1	FC20000	KY Firefighter Rescue (Classroom Lecture)
P0017	PALS/PEPP	Y0002	Arson 2	FC21000	KY Firefighter Rescue (All Skills Required)
P0019	Sexual Assault Training	Y0003	Arson 3	FC30000	KY Wildland Awareness
P0020	Pediatric Abusive Head Trauma	Y0004	Fire Investigation Technician	FC40000	KY Flashover Recognition (Classroom Lecture)
P0021	First-Aid	Z0000	Pump Operations	FC41000	KY Flashover Recognition (All Skills Required)
P0023	Cardiovascular				
P0025	Advanced Emergency Medical Technician				



Required Subject/Hours List for Kentucky Firefighter Certification

Required by the Kentucky Fire Commission for individuals not certified as of: **1/1/2023**

Categories	Training Subjects	Basic 1	Basic 2
A	Administration and Organization	1	3
B	Safety	1	4
C	Communications	1	4
D	Fire Behavior	3	20
E	Portable Extinguishers	3	4
F	Personal Protective Equipment	6	20
G	Forcible Entry	6	12
H	Ventilation	6	12
I	Ropes	3	8
J	Ladders	3	12
K	Fire Hose, Nozzles, and Appliances	6	20
L	Foam Fire Streams	2	4
M	Fire Control	9	24
N	Loss Control (Salvage & Overhaul)	3	8
O	Victim Search & Rescue	3	12
P0001	CPR/AED	3	4
P0021	First Aid	3	4
Q0001	Vehicle Extrication	3	12
R	Water Supply	3	8
S	Fire Protection Systems (Alarms & Sprinklers)	3	4
T0001	Hazardous Materials Awareness	3	4
T0002	Hazardous Materials Operations	6	12
U	Fire Prevention and Public Fire Education	1	4
V	Building Construction	3	12
W	Aircraft Crash Firefighting	2	4
Y	Fire Investigation/ Cause & Origin	2	4
Z	Pumper Operations and Maintenance	6	20
CC	Drivers Training	9	20
FC10000	Kentucky Firefighter Survival (Classroom/Lecture)	3	3
FC11000	Kentucky Firefighter Survival (All Skills Completed)	(Optional)	3
FC20000	Kentucky Firefighter Rescue (Classroom/Lecture)	3	3
FC21000	Kentucky Firefighter Survival (All Skills Completed)	(Optional)	3
FC30000	Kentucky Wildland Firefighting Awareness	3	3
FC40000	KY Flashover & Recognition (Classroom/Lecture)	3	3
FC41000	KY Flashover & Recognition (All Skills Completed)	(Optional)	3
Total Hours		115	300

Basic Fire 1 Equivalency
 - Firefighter I and Hazmat Awareness and Hazmat Ops (KY Accredited Certifications) **and** FC10000, FC20000, FC30000, FC40000

Basic Fire 2 Equivalency
 - Firefighter II and Driver/Operator - Pumper (KY Accredited Certifications) **and** FC10000, FC11000, FC20000, FC21000, FC30000, FC40000, FC41000

Section Two

Descriptions for Fire Training Course Codes

Category A- Administration and Organization Training

A0000 Administration and Organization

The fire service has many unique management problems. It requires a distinct team spirit; it has a need for a strong disciplinary influence due to the need for concerted and instant reaction on the fire ground; it requires a high quality of leadership from its officers; it has a continuing training demand; it requires an extremely wide range of technical competence. The way fire departments are organized is dependent upon the size of the department and the scope of its operations. Organizational plans are designed to illustrate or show the relationship of each operating division to the total organization. It is essential that each fire department have an organizational plan that reflects the current status of the department. Some departments find projected plans useful for budgetary and planning purposes. A good plan is essentially a blueprint of the organization. Each member should be aware of the organizational plan of the fire department.

Examples of topics for this category include, but are not limited to:

1. Mission of the fire service.
2. Fire department organizational principles and their descriptions.
3. Fire companies and their functions and duties.
4. Primary knowledge and skills needed by a firefighter to function effectively.
5. Typical duties of a Firefighter I and a Firefighter II.

Category B- Safety Training

B0000 Safety Training

Firefighter safety is essential for efficient and effective control, operations, and routine duties of a firefighter. It is imperative that firefighters be trained in safety procedures complying with NFPA and OSHA standards.

Examples of topics for this category include, but are not limited to:

1. Areas in which an employee assistance program can help.
2. Personal safety in the fire station.
3. Proper lifting techniques.
4. Safety rules for using power saws.
5. Emergency scene safety.

B0001 Cancer Awareness

Training in this category will make the student will be aware of the link between firefighting and cancer, current actions that increase the risk of contracting cancer, limitations of PPE against exposure to carcinogens, and preventative measures to decrease the risk of contracting cancer.

B0002 Traffic Incident Management

Better incident response improves the safety of responders and drivers, reduces crashes that occur because of incident-related congestion, decreases traffic delays caused by incidents, and can cut incident response time. The National Traffic Incident Management Responder Training was created by responders for responders. This course provides first responders a shared understanding of the requirements for safe, quick clearance of traffic incident scenes; prompt, reliable and open communication; and motorist and responder safeguards. First responders learn how to operate more efficiently and collectively.

B0003 Response to Opioid Emergencies

Participants will gain an awareness of common issues surrounding incidents involving opioids which will ultimately allow for safer responses and better patient outcomes. Topics include recognition of various types of opioids, common uses, and associated risks; common methods of administering opioid antagonists; safe work practices and emergency decontamination.

B0004 Suicide Awareness & PTSD/Silent Mayday

Describes vicarious trauma and effects of Post-Traumatic Stress Disorder (PTSD). Provides information in relation to suicide prevention, awareness training, and intervention techniques for use among fire/rescue service personnel. Highlights the importance of being first responders to their fellow firefighters and ways to aid life – questioning, persuading, and referring a colleague to get help when needed.

B0005 Active Shooter/Hostile Events Response (ASHER)

Nationwide and around the globe, communities are facing an increasing number of tragedies involving active shooter and/or hostile events. The need for an integrated preparedness, response, and recovery program is greater than ever before. Use this category to record training related to NFPA 3000 Standard for an Active Shooter/Hostile Event Response (ASHER) Program. This standard addresses all aspects of the process, from identifying hazards and assessing vulnerability to planning, resource management, incident management at a command level, and competencies.

Category C- Communications Training

C0000 Communications Training

Fire department communications include all the methods by which the dispatch center can notify the proper firefighting forces and then relay information between those at the scene, between superiors and firefighters, and between those at the scene and the communications center.

Examples of topics for this category include, but are not limited to:

1. Fire department telecommunications equipment.
2. Basic procedures for answering emergency calls.
3. Handling of business calls and reports of emergencies.
4. Methods of alerting fire department personnel.
5. Guidelines for proper two-way radio use and etiquette.

Category D- Fire Behavior Training

D0000 Fire Behavior Training

Fire is a chemical reaction known as combustion. It is frequently defined as the rapid oxidation of combustible material accompanied by a release of energy in the form of heat and light. Oxygen, heat, fuel, and the chemical chain reaction create the fire tetrahedron. The removal of one or more of the four sides will make the tetrahedron incomplete and result in extinguishment of the fire. It is important that every firefighter be knowledgeable in fire behavior and the precautions needed to be taken during suppression due to erratic fire behavior.

Examples of topics for this category include, but are not limited to:

1. Three methods of heat transfer.
2. Use of the fire tetrahedron to explain combustion.
3. Stages of compartment fire development.
4. Factors that affect fire development.
5. Fire dynamics.

Category E- Portable Extinguishers Training

E0000 Portable Extinguishers Training

Portable fire extinguishers are classified according to their intended use on the various classes of fires. All portable extinguishers display a rating which indicates the appropriate extinguisher to use on a certain class of fire. The rating system is based on physical tests conducted by the Underwriter's Laboratories, Inc. and are designed to determine the extinguishing potential for each size and type of extinguisher. Firefighters should know the capability of all extinguishers and the proper methods in using the fire extinguishers used in their fire department.

Examples of topics for this category include, but are not limited to:

1. Types of portable fire extinguishers.
2. Portable fire extinguisher rating system.
3. Extinguisher symbol shapes and fire classification letters.
4. Factors for selecting the proper portable extinguisher.
5. Extinguishment of small fires with the proper portable fire extinguishers.

Category F- Personal Protective Equipment Training

F0000 Personal Protective Equipment Training

The importance of utilization and care of turn-out clothing: Helmet, coat, pants, gloves, boots, and protective breathing apparatus is stressed in this category. Special attention should be devoted to protective breathing equipment. The lungs and respiratory tract are probably more vulnerable to injury than any other part of the body. The gases encountered in association with fires are, for the most part, dangerous in one way or another. It is a fundamental rule in firefighting that no one enter a building which is charged with smoke and gas unless the firefighter is equipped with self-contained breathing equipment. Failure to use this equipment may not only cause a rescue failure, but also may incapacitate the rescuer.

Examples of topics for this category include, but are not limited to:

1. Articles of protective clothing and equipment to their correct functions.
2. Facts about personal protective gear.
3. Don and doff articles of protective clothing/equipment.
4. Hazardous atmospheres that require the firefighter to wear SCBA.
5. Cleaning, sanitation, and inspection of an SCBA unit.

Category G- Forcible Entry Training

G0000 Forcible Entry Training

Although there are specific places through which firefighters usually force entrance into a building, a general knowledge of how buildings are constructed is also essential. It is important for firefighters to be familiar with the various trade terms in construction so that they can better judge both where and how to force entrance. Likewise, various tools and devices best suited for forcible entry procedure must be thoroughly understood by firefighters.

Examples of topics for this category include, but are not limited to:

1. Cutting, prying, pushing/pulling, and striking tools.
2. Correct methods for carrying forcible entry tools.
3. Safety rules for breaking glass.
4. Swinging, sliding, revolving, and overhead doors.
5. Opening floors and walls.

Category H- Ventilation Training

H0000 Ventilation Training

Ventilation, applied to firefighting, is the planned and systematic release and removal of heat, air, smoke, and toxic gases from a confined area and the replacement of these products of combustion with a supply of cooler fresh air. Proper ventilation cannot be accomplished haphazardly, and one cannot rely solely upon knowledge gained from practical experience in actual fire situations since no two fires are alike.

Examples of topics for this category include, but are not limited to:

1. Ventilation for specific rescue, attack, fire control, and suppression operations.
2. Signs of potential backdraft.
3. Primary ventilation method used to prevent backdraft.
4. Special ventilation considerations associated with high-rise buildings.
5. Special ventilation considerations associated with windowless buildings and basements.

Category I- Ropes Training

I0000 Ropes Training

Rope training includes the various kinds of rope, equipment, and tying of basic knots and hitches most commonly used in the fire service. Rope is one of the most widely used tools used by firefighters. It may be used to escape in dangerous situations, to raise or lower objects, and to access or rescue victims. It is necessary that all firefighters are knowledgeable of knots and hitches used in the fire service to make operations on the fire scene more effective and efficient.

Examples of topics for this category include, but are not limited to:

1. Differences between life safety and utility rope and their applications.
2. Coil and uncoil rope.
3. Various knots and their primary applications.
4. Tie knots commonly used in the fire service.
5. Commonly used rope hardware for specific applications.

Category J- Ladders Training

J0000 Ladders Training

Ladders are essential in the performance of both major functions of firefighting: saving lives and protecting property. Fire service ladders are like any other ladder in shape, design, and purpose, but the way in which they are used requires them to be constructed under rigid specifications. Their use under adverse conditions further requires them to provide a margin of safety not usually expected of commercial ladders. NFPA 1931, provides recommended specifications for fire department ground ladders. Fire service ground ladders, like fire hose, are considerably more than just a tool or appliance, since special training for individual skill and team performance is required for their efficient use at fires. Hand-operated ground ladders are relied upon by firefighters to gain access to areas, which cannot be reached by normal means.

Examples of topics for this category include, but are not limited to:

1. Parts of fire service ladders.
2. Types of fire service ground ladders.
3. Cleaning and inspecting a ladder.
4. Ladder safety rules.
5. Carrying of ladders using the various methods.

Category K- Fire Hose/Nozzles/Appliances Training

K0000 Fire Hose/Nozzles/Appliances Training

Fire hose is classified by its size (diameter) and by material from which it is constructed. Present day fire hose is made of many materials, which may be susceptible to deterioration and wear, and it can be made in several grades and degrees of quality. It is important to remember that fire hose must withstand relatively high pressures, be able to transport water with a minimum loss of pressures, be sufficiently flexible to permit loading into a hose compartment without occupying excessive space.

Examples of topics for this category include, but are not limited to:

1. Selection of the proper nozzle and hose for given fire attack situations.
2. Identification of hose loads and finishes.
3. Handle charged attack lines.
4. Advantages and disadvantages associated with handling solid and fog streams.
5. Areas to check when maintaining and cleaning nozzles.

Category L- Foam Fire Streams Training

L0000 Foam Fire Streams Training

This category focuses on training firefighters on when and how to use foam for fire suppression or using foam agents as a precautionary measure to prevent fires from occurring.

Examples of topics for this category include, but are not limited to:

1. Basic methods by which foam prevents or controls a hazard.
2. Classification of flammable liquids as hydrocarbon or polar solvent fuels.
3. Describe the components of foam production.
4. Classify foams by their expansion ratios.
5. Installation of an in-line foam eductor.

Category M- Fire Control Training

M0000 Fire Control Training

Several fire control and tactical operations may be employed at each fire incident, and several control and tactical operations may be carried out simultaneously during a fire ground operation. Every firefighter should be training to carry out all basic control and tactical functions under a controlled environment and in the classroom.

Examples of topics for this category include, but are not limited to:

1. Suppression of all classes of fires.
2. Distinguish among direct, indirect, and combination attacks.
3. Deploy and operate a master stream device.
4. Company tactics for fire control.
5. Fire control in confined spaces.

M0001 Structural Firefighting Training

This specialized category is intended for recording training hours related directly to suppression of structural fires.

Examples of topics for this sub-category include, but are not limited to:

1. Tactics related to offensive and defensive attacks.
2. Duties of an engine and/or ladder company at a structure fire.
3. Relationship between life safety and extinguishment.
4. Egress for firefighters during an offensive attack.
5. Assess survivability and structural stability based on the stages of fire growth.

M0002 Vehicle Firefighting Training

This specialized category is intended for recording training hours related directly to vehicle fires.

Examples of topics for this sub-category include, but are not limited to:

1. Selection of the appropriate size hoseline for a vehicle fire.
2. Different fuel sources found in various types of vehicles.
3. Specific dangers and risks associated with various types of vehicles, when involved in fire.
4. Procedures for attacking a vehicle fire.
5. Procedures for suppressing an engine or trunk compartment fire.

M0003 Flammable Liquids Firefighting Training

This specialized category is intended for recording hours related directly to flammable liquids.

Examples of topics for this sub-category include, but are not limited to:

1. Role of the agencies which regulate flammable liquids in the United States.
2. Relationship between heat, temperature, and boiling point as it relates to the storage of flammable liquids in a container.
3. Tactical process for managing emergencies involving flammable liquids.
4. Basic characteristics of common flammable liquids.
5. Demonstrate controlling an exterior Class B fire, during an NFPA 1403 evolution.

M0004 Flammable Gases Firefighting Training

This specialized category is intended for recording hours related directly to flammable gases.

Examples of topics for this sub-category include, but are not limited to:

1. Role of the agencies which regulate flammable gases in the United States.
2. Relationship between heat, temperature, and boiling point as it relates to the storage of propane in a closed container.
3. Tactical process for managing emergencies involving flammable gases.
4. Basic characteristics of common flammable gases.
5. Demonstrate controlling a flammable gas fire, during an NFPA 1403 compliant evolution.

M0005 Dumpster/Container Firefighting Training

Intended for recording training hours related directly to suppression of trash/rubbish fires.

Examples of topics for this sub-category include, but are not limited to:

1. Appropriate personal protective equipment for trash/rubbish fires.
2. Hazards associated with trash/rubbish fires.
3. Methods for controlling fires in a dumpster or container.
4. Selection of the appropriate size hoseline.
5. Consideration for any exposures close to a dumpster/container fire.

Category N- Loss Control Training

N0000 Loss Control Training

Salvage work in the fire service consists of those methods and operating procedures allied to firefighting which aid in reducing fire, water, and smoke damage during and after fires. A portion of these damages can be attributed to the necessary operations of applying water, ventilating a building, and searching for fires throughout a structure. These procedures cannot be entirely eliminated, but improved techniques in fire extinguishment plus prompt and effective use of good salvage procedures result in a more systematic approach to minimize these losses.

Overhaul is required to see that the fire has been completely extinguished and placing the structure in as safe of a condition as possible prior to the fire department leaving the scene looking for "Hot Spots" and not disturbing evidence in determining the cause of the fire, are factors that should be covered in overhaul training. Firefighters must be trained in proper overhaul procedures while at the same time knowledgeable in not disturbing possible investigation scenes.

Examples of topics for this category include, but are not limited to:

1. Benefits of loss control to the public and the fire department.
2. Purpose of salvage and overhaul.
3. Salvage tools, equipment, and materials.
4. Fold and roll salvage covers.
5. Methods of detecting hidden fires.

Category O- Victim Search & Rescue Training

O0000 Victim Search & Rescue Training

Structural search and rescue of victims often requires calculated risks in potentially hazardous situations. Structural firefighters need to be able to size-up a scene and perform various methods of searching buildings/removing victims while working as a part of a team.

Examples of topics for this category include, but are not limited to:

1. Situational awareness considerations for a structural search.
2. Safety considerations during a structural search.
3. Basic victim search and removal methods.
4. Procedure for conducting primary/secondary search.
5. Various drags, lifts, and carries for victims.

Category P- Emergency Medical Care Training

P0000 Emergency Medical Training (General)

Use this category to record general training related to emergency medical care being provided by the fire service. **The following topics are provided as sub-categories to assist training officers and personnel with tracking EMS certification/recertification needs:**

P0001 CPR/AED Training

This course provides the knowledge and skills for administering care for respiratory or cardiac arrest including airway, breathing, and circulation assessment and the procedures to eliminate blockage of the airway, provide breathing assistance, and cardiac compressions. Automated External Defibrillation (AED) training would be included in this category.

P0002 HIV/AIDS Training

This category provides education on AIDS/HIV and Bloodborne Pathogens education for emergency responders, health professionals, and others who are subject to exposure, in the: (1) Transmission; (2) Prevention and control; (3) Treatment; (4) Legal issues; (5) Attitudes and behavior regarding human infections; (6) Covers requirements of OSHA 1910.1030 and KRS 311A.120(1).

P0003 Emergency Medical Responder

The Emergency Medical Responder (EMR) course covers selected aspects of trauma care as outlined by the national standard created by federal guidelines and considered to be the responsibilities of services with emergency medical response missions, consisting of classroom and laboratory instructions. Training involves typical anatomy and physiology; patient assessment; care for respiratory and cardiac emergencies; control of bleeding, application of dressing and bandages; treatment for traumatic shock; care for fractures, dislocations, sprains and strains; medical emergencies, emergence childbirth, burns and heat emergencies; environmental emergencies; principles of vehicle rescue; transportation of the patient, and general of operations of emergency medical services. Use this category for hours related to the delivery of an initial EMR course.

P0004 Emergency Medical Technician

This basic Emergency Medical Technician (EMT) Course covers all knowledge aspects of trauma care as outlined by national standards, created by federal guidelines, considered to be the responsibilities of ambulance operations. Training involves typical anatomy and physiology; patient assessment; care for respiratory and cardiac emergencies; control of bleeding; application of

dressing and bandages; treatment for traumatic shock; care for fractures, dislocations, sprains and strains; medical emergencies; emergency childbirth; burns and heat emergencies; environmental emergencies; principles of vehicle rescue; transportation of patients and general operations of ambulance systems. Use this category for hours related to the delivery of an initial EMT course.

P0005 Paramedic

The Paramedic program prepares the student to function as a healthcare professional whose primary focus is to respond to, assess and triage emergent, urgent and non-urgent requests for medical care; apply basic and advanced knowledge and skills necessary to determine patient physiologic, psychological, and psychosocial needs; administer medications, interpret and use diagnostic findings to implement treatment; provide complex patient care; and facilitate referrals and/or access to a higher level of care when the needs of the patient exceed the capability level of the paramedic. Use this category for hours related to the delivery of an initial Paramedic course.

P0008 Airway

The Airway category includes oxygen administration, ventilation procedures and equipment, adjunctive equipment and procedures, and suction equipment and procedures.

P0010 Medical Emergencies

Topics that would be considered as medical emergencies may include: Pharmacology, respiratory emergencies, cardiac emergencies, altered mental status, allergic reactions, poisoning and overdose, environmental emergencies, OB emergencies, and behavioral emergencies.

P0011 Trauma Emergencies

Topics that would be considered as traumatic emergencies may include: Soft-tissue injuries, bleeding and shock, musculoskeletal injuries and injuries to the head and spine.

P0014 Operations

This category includes topics such as: Principles of safely operating a ground ambulance, incident management, air medical, vehicle extrication, Field Triage-Disasters/MCI's, Evidence Based Guidelines, EMS Research, Crew Resource Management, and Hazardous Materials.

P0015 Advanced Cardiovascular Life Support (ACLS)

An advanced course for healthcare professionals who either direct or participate in the management of cardiopulmonary arrest and other cardiovascular emergencies, that highlights the importance of team dynamics and communication, systems of care, and immediate post-cardiac arrest care. It also covers airway management and related pharmacology.

P0017 Pediatric Advanced Life Support (PALS)/ Pediatric Education for Pre-Hospital Professionals (PEPP)

An advanced course for the healthcare professionals who either direct or participate in the management of pediatric cardiopulmonary arrest and other cardiovascular emergencies, that highlights the importance of team dynamics and communication, systems of care, and immediate postcardiac arrest care. It also covers airway management and related pharmacology.

P0019 Sexual Assault Training

This topic is for the approved course that meets the statutory requirements of 311A.120(3) covering awareness of sexual violence, including reporting options, care options, pre-hospital treatment considerations, knowledge of regional rape crisis centers, and how to access the SANE-ready list, at least one (1) time every two (2) year renewal cycle.

P0020 Pediatric Abusive Head Trauma

This topic is for the approved course that meets the statutory requirements of 311A.120(2) covering the recognition and prevention of pediatric abusive head trauma, as defined in KRS 620.020, at least one (1) time every two (2) year renewal cycle.

P0021 First Aid

This topic is for courses that teach the basics for the most common first aid emergencies, including how to recognize them, how to call for help, and how to perform lifesaving skills.

P0023 Cardiovascular

Includes topics such as: Post-Resuscitation Care; Ventricular Assist Devices; Stroke; Cardiac Arrest; Pediatric Cardiac Arrest.

P0025 Advanced Emergency Medical Technician

The Advanced Emergency Medical Technician (AEMT) course prepares students to perform interventions with the basic and advanced equipment typically found on an ambulance, including performance of focused advanced skills and pharmacological interventions that are engineered to mitigate specific life-threatening conditions, medical, and psychological conditions. Focuses on a targeted set of skills beyond the level of the EMT including fundamental and advanced skill sets such as patient assessment, airway and ventilatory maintenance, IV/IO access and fluid administration, medication administration, medical, cardiovascular and trauma patient management across the lifespan. Use this category for hours related to the delivery of an initial AEMT course.

Category Q- Rescue Training

Q0000 Rescue Training (General)

It is necessary that all firefighters are trained in the rescue situations they may encounter, as many of the situations require taking calculated risks in hazardous situations.

Examples of topics for this category include, but are not limited to:

1. Primary and secondary search.
2. Guidelines for rescue from burning buildings.
3. Guidelines for firefighters who become trapped or disoriented.
4. Victim removal.
5. Movement of an injured victim to safety using appropriate carries and drags.

Q0001 Vehicle Extrication

One of the most common technical rescue scenarios that the fire service deals with is vehicle rescue/extrication. This subcategory is intended for training that includes extrication from both light and heavy vehicles.

Examples of topics for this category include, but are not limited to:

1. Methods for removing vehicle glass.
2. Removal of automotive window glass.
3. Vehicle roof posts and their letter designations.
4. Removal of vehicle doors.
5. Removal of vehicle roofs.

Q0002 Collapse Rescue

Use this sub-category to record training in structural collapse, which may include: Shoring, breaching, breaking, cutting, lifting, moving, and stabilization of various structures and/or objects. These training hours may include both classroom and/or performance-based training in accordance with NFPA 1670.

Q0003 Trench Rescue

Use this sub-category to record training in trench collapse/rescue, which may include: Trench/soil recognition, shoring, and stabilization of various trenches to facilitate victim removal. These training hours may include both classroom and/or performance-based training in accordance with NFPA 1670.

Q0004 Confined Space Rescue

Use this sub-category to record training in confined space rescue practices, which may include: Confined space recognition, air quality monitoring, and victim removal from various types of spaces. These training hours may include both classroom and/or performance-based training in accordance with NFPA 1670.

Q0005 Water Rescue

Use this sub-category to record training in water related rescues which may include: Swift water, ice, and boat operations. These training hours may include both classroom and/or performance-based training in accordance with NFPA 1670.

Q0006 Farm and Machinery Rescue

With much of Kentucky covered in farmland, it is inevitable that emergency responders will be called to these areas. Often, these responses can have unique qualities and pose a different set of challenges than firefighters have ordinarily been trained to handle. Use this sub-category to record training in farm and machinery rescue practices which may include training in the various types of farm implements as well as, disentanglement and related the necessary care of patients.

Q0007 Rope Rescue

Use this sub-category to record training Rope Rescue practices which may involve a more in-depth and intense training in Low and High Angle Rescue. These training hours may include both classroom and/or performance-based training in accordance with NFPA 1670.

Q0008 Dive Rescue

Use this sub-category to record training hours related to emergency response or public safety diving, such as: Search and rescue or recovery operations above/below the water surface. Other examples may include but are not limited to: Encapsulation; communications; selection of proper equipment; operations in contaminated environments, and decontamination.

Q0009 Large Animal Rescue

Use this sub-category to record training hours in topics such as: Incident Command Systems as it relates to large animal incidents, animal behavior and anatomy, containment of animals, rope rescue techniques for large animals, and training on specialized methods of moving large animals.

Category R- Water Supply Training

R0000 Water Supply Training

Many factors make up water supply training, including how much fire flow is necessary for fire suppression on a structure based on the dimension of the structure. Topics and considerations include: Where the closest water resources are, shuttle operations (water haul), pumper relay operations and the amount of water flow available from a hydrant. **ROUTINE FIRE HYDRANT TESTING IS NOT CONSIDERED TRAINING.**

Examples of topics for this category include, but are not limited to:

1. Fundamental components of a modern water system.
2. Opening and closing of a fire hydrant.
3. Examples of alternative static water supply sources.
4. Water shuttling and relay pumping.
5. Instruction in proper methods of hydrant testing.

Category S- Fire Protection Systems

S0000 Fire Protection Systems Training

This category combines into one, the previous categories of Fire Alarms and Sprinklers.

Fire alarm systems provide notification of an impending emergency and are an important component of fire protection systems. Firefighters should be training in alarm system components and how they operate. Automatic sprinklers have been providing fire protection for over 75 years. Early types of sprinkler systems were rather crude and unreliable but present-day systems have been perfected to the point that they are most reliable when properly supervised. Automatic sprinkler and standpipe systems are now recognized as the most reliable of all fire protection devices, and an understanding of the system of pipes and valves and their operation is essential to the firefighter.

Examples of topics for this category include, but are not limited to:

1. Parts of a sprinkler head and various types of sprinkler head designs.
2. Components of a fire alarm system.
3. Identification of the parts of an automatic sprinkler system.
4. Components of fire suppression systems.
5. Identification of alarm initiating devices.

Category T- Hazardous Materials Training

T0000 Hazardous Materials Training (General)

Training in Hazardous Materials is important for today's firefighter. This category is used to record general Hazardous Materials training hours or courses that are aligned to national standards.

The following topics are provided as sub-categories to assist training officers and personnel with tracking certification/recertification needs:

T0001 Hazardous Materials Awareness Level Course

The Hazardous Materials Awareness level course is for personnel that may encounter a hazardous materials incident in the scope of their normal duties. Personnel trained to this level should be able to: Analyze an incident to detect the presence of hazardous materials, identify/collect information from the Emergency Response Guidebook, and initiate protective actions/notification process.

T0002 Hazardous Materials Operations Level Course

The Hazardous Materials Operations course is designed for those that would respond to a hazardous materials incident and implement or support the response mission. Some of the topics covered in this class include: Analysis of the scene, determination of the scope of the emergency, collection of information, prediction of the likely behavior and potential harm from the hazardous material, planning of the response, selection of the correct level of personal protective equipment, performance of decontamination, and evaluation of the effectiveness of the response.

T0003 Hazardous Materials Technician Level Course

The focus of the Hazardous Materials Technician course is on recognizing/evaluating a hazardous materials incident, organizing the response team, protecting response personnel, identifying and using response resources, implementing basic control measures, refining decision-making skills, and protecting the public. Topics discussed include: Chemical and physical properties of hazardous materials, toxicology, recognition and identification of hazardous materials, direct-reading instruments, standard operating procedures, personnel protection and safety, and sources of information.

T0004 Hazardous Materials Refresher Training

This category can be used to record hours in Hazardous Materials Awareness, Operations, and Technician level that can be used as refresher training, once initial certification at one or all those levels has been obtained.

Category U- Fire Prevention/Public Education Training

U0000 Fire Prevention/Public Fire Education Training

Inspection and prevention are usually considered to be the most important non-firefighting activity performed by firefighters. A carefully planned inspection program carried out by conscientious, well-trained personnel can prevent many serious fires. Inspections and other prevention measures are generally conducted for several purposes: To detect and eliminate fire hazards, to familiarize the fire company with the facility and area, and to improve public relations, as well as educating the public on the importance of fire prevention and fire safety.

Examples of topics for this category include, but are not limited to:

1. How to conduct fire safety surveys.
2. Types of fuel hazards and heat source hazards.
3. Distinguish among common fire hazards, special fire hazards, personal hazards, and target hazards.
4. Guidelines for conducting a residential fire safety survey.
5. Injury prevention through fire and life safety education.

Category V- Building Construction Training

V0000 Building Construction Training

Building construction is one of the most important lessons for firefighters, but it is most vital for fire officers at all levels. New construction methods may quickly become unstable when fire is introduced within the walls, floors, and roof voids. Older construction remains a concern and the modern firefighter must be fully acquainted with all construction methods used in their response area to predict fire spread and its impact on the structure. Additional courses may be used as knowledge enhancement, including those on the Fire Commission Approved Course list.

Examples of topics for this category include, but are not limited to:

1. Matching Roman numeral building construction types to their basic structural characteristics and description.
2. Primary fire hazards associated with each classification of building construction.
3. Distinguish among types of walls.
4. Firefighting hazards related to construction.
5. Hazards associated with lightweight and truss construction.

Category W- Aircraft Crash Firefighting Training

W0000 Aircraft Crash Firefighting Training

Aircraft accidents/incidents may occur anytime, anywhere. Firefighters should be trained to handle all types of aircraft crash and fire situations and the necessity of preserving the scene for outside investigating agencies.

Examples of topics for this category include, but are not limited to:

1. Various types of aircraft.
2. Aircraft construction and structural materials.
3. Types of aircraft accidents/incidents.
4. Aircraft cargo hazards.
5. Aircraft rescue tools and equipment.

W0001 Airport Familiarization

Airport familiarization training for ARFF personnel may include the following topics:

1. Describe the runway and taxiway identification system.
2. Describe the airfield lighting system (i.e. center line, edge and threshold lights, etc.).
3. Describe airfield pavement marking and signing systems, to include standard colors used in markings and signs (local training requirement).
4. Identify the limits of the runway safety areas on the airport to include Engineered Materials Arresting Systems (EMAS) (local training requirement).
5. Identify and locate the various aircraft navigation aids located on the airport and identify critical areas associated with navigation systems.
6. Cite airport rules and regulations on vehicle movement and access on the airport movement and non-movement areas and on communicating with the air traffic control tower (ATCT) for everything entering and exiting the movement area.
7. Cite procedures for communicating with the ATCT; state the use of Common Traffic Advisory Frequency (CTAF).
8. Cite rules and regulations governing airport security.
9. Given a grid map or other standard map used at the airport, identify key terrain features, installations, and potential hazards in both movement and non-movement areas.
10. Identify the probable direction of travel of fuel in a simulated leak in the fuel distribution system.

11. Demonstrate the operation of the emergency fuel shutoff to the fuel system and pumps to stop the flow of fuel within the system.
12. Identify hazardous materials (and their locations) that are frequently stored or used on the airport property.

W0002 Aircraft Fire and Rescue Training

Aircraft familiarization training for ARFF personnel may include the following topics:

1. Identify all types of passenger and cargo aircraft operating at the airport.
2. Identify the different types of aircraft propulsion systems.
3. Locate normal entry doors, emergency exit openings, and evacuation slides for a given aircraft.
4. Demonstrate the opening of all doors and compartments for a given passenger or cargo aircraft.
5. Identify approximate aircrew and passenger capacities for a given aircraft.
6. Indicate the type of fuel used, location of fuel tanks, and capacity of fuel tanks for a given aircraft.
7. Identify and locate components of the fuel, oxygen, hydraulic, electrical, fire protection, anti-icing, auxiliary power unit (APU), brake, wheel, and egress systems for a given aircraft.
8. Identify and locate the flight data recorder and cockpit voice recorder in the event of an aircraft mishap.
9. Identify and locate the opening and operation of doors, compartments, and hatches for a given cargo aircraft.
10. Identify normal and emergency shutdown procedures for aircraft engines and auxiliary power units.
11. Identify the general hazards associated with military aircraft, such as ejection seats, armament, and specialized fuels.

W0003 ARFF Personnel Safety

Safety training for ARFF personnel may include the following topics:

1. Identify the hazards associated with aircraft rescue and firefighting.
2. Identify the hazards to personnel associated with aircraft and aircraft systems.
3. Identify the potential stress effects on emergency services personnel involved in a mass casualty situation.
4. Identify the purpose and limitations of approved personal protective clothing used locally.
5. Demonstrate the inspection process for Protective Ensembles—proximity suits and/or structural firefighting turnout gear.
6. Demonstrate the ability to properly put on and take off personal protective ensembles.
7. Identify the purpose, components, operation, and limitations of self-contained breathing apparatus (SCBA).
8. Demonstrate the inspection process for the SCBA.
9. Demonstrate changing the air supply cylinder of a team member with an exhausted air supply cylinder.
10. Demonstrate proper the donning/doffing of a SCBA.

11. While wearing a SCBA, demonstrate the actions to take when the following emergency situations occur: a. low air alarm activates, b. air supply is exhausted, c. regulator malfunctions, d. face piece is damaged, e. low pressure hose is damaged, or f. high pressure hose is damaged.
12. While wearing a SCBA, demonstrate the actions to take to assist a team member experiencing the following emergency situations: a. low air alarm activates, b. air supply is exhausted, c. regulator malfunctions, d. face piece is damaged, e. low pressure hose is damaged, or f. high pressure hose is damaged.
13. Identify techniques for protection from communicable disease hazards.
14. Demonstrate the proper safety precautions to take while wearing personal protective equipment (PPE) while operating power and hand-operated tools.

W0004 Emergency Communications

Emergency communications training for ARFF personnel may include the following topics:

1. Demonstrate the use of communication equipment used by their organization.
2. Demonstrate knowledge of the phonetic alphabet.
3. Identify radio frequencies and channels used by their organization and mutual aid organizations.
4. Identify the procedures for receiving an emergency alarm.
5. Identify procedures for multiple alarms and mutual aid.
6. Demonstrate the proper procedure for obtaining clearance from the ATCT or other responsible authority for apparatus movement.
7. Identify emergency light gun signals used by the ATCT.
8. Demonstrate the use of standard hand signals used to communicate with aircrew personnel.
9. Give an initial status report for a simulated aircraft accident.
10. Identify the local method used to communicate with aircrew personnel.

W0005 Application of Extinguishing Agents

Application of agents training for ARFF personnel may include the following topics:

1. Identify the quantity, type, and extinguishing properties of each agent carried on each vehicle used, including advantages and disadvantages for the airport.
2. Identify which agents used by the local organization are compatible and which are not.
3. Identify the locations and quantities of each agent that is kept in inventory for vehicle resupply.
4. Identify the preferred agent to use in suppression and extinguishment for various fire scenarios.
5. Demonstrate agent application techniques utilizing turrets, High Reach Extendable Turrets (if available), and hose lines in both interior and exterior fire attack scenarios.
6. Identify the location of each portable fire extinguisher provided on local vehicles.
7. Identify each type of portable fire extinguisher by classification and rating.
8. Identify the limitations and operating characteristics of each type of portable fire extinguisher.

W0006 Fire Hoses, Nozzles, and Turrets

Fire Hose, Nozzles, and Turrets training for ARFF personnel may include the following topics:

1. Identify the purpose of each tool and item of equipment used locally.
2. Identify the location of each tool and item of equipment used locally.
3. Identify the hazards associated with each tool and item of equipment used locally.
4. Identify the proper procedures for use and maintenance of each tool and item of equipment used locally.
5. Identify the purpose of each hose, nozzle, and adapter used locally.
6. Identify the location of each hose, nozzle, and adapter used locally.
7. Identify the size and amount of each hose carried on each local vehicle.
8. Identify the proper procedures for use and maintenance of each hose, nozzle, and adapter used locally.
9. Identify the proper procedure to use when advancing hose for fire attack.
10. Identify the primary purpose, agent capacity, water capacity, type of agent carried, agent discharge rate/range, personnel requirements, and response limitations for each vehicle used locally.
11. Demonstrate the proper methods of operation for all handlines and vehicle-mounted discharge devices.
12. Identify driver maintenance procedures for each vehicle used locally.
13. Identify the procedures for resupply, using available methods—hydrant, structural vehicles, tank trucks, or other vehicles and drafting from a static source—for each vehicle used locally.

W0007 Emergency Aircraft Evacuation

Emergency aircraft evacuation training for ARFF personnel may include the following topics:

1. Identify procedures followed during an emergency by crews of air carriers, cargo aircraft, and general aviation aircraft operating at the local airport.
2. Identify the procedures to use to protect evacuation points.
3. Identify which opening should be used to gain entry for a given aircraft and considerations that may affect the situation.
4. Select the necessary forcible entry tool(s) and/or equipment to gain entry to a given aircraft and situation.
5. While wearing full protective clothing, demonstrate, from inside and outside the aircraft, opening normal entry doors and emergency exit points for a given aircraft.
6. Identify potential locations for cut-in entry, using reference materials, aircraft markings, or general guidelines for a given aircraft.
7. Identify the hazards associated with cut-in entry.
8. Demonstrate procedures used to assist passengers during emergency evacuation. Note: ARFF personnel should not impede the exit of occupants and crew when trying to enter the fuselage for rescue and/or firefighting. ARFF personnel must locate and open any other available exits. Additionally, many occupants may not be able to extricate themselves, so ARFF personnel should be prepared to assist after all those who are able to exit have evacuated.

W0008 Firefighter Operations

Firefighter operations training for ARFF personnel may include the following topics:

1. Describe Standard Operating Procedures (SOPs) for various emergency scenarios.
2. Select strategy and tactics for incident control and termination.
3. Identify the procedures for securing and maintaining a rescue path.
4. Identify the proper procedure to use when protecting an aircraft fuselage from fire exposure.
5. Identify the procedures to use when providing protective streams for personnel.
6. Identify procedures for controlling runoff from fire control operations and fuel spills.
7. Identify the procedures to use to stabilize aircraft wreckage.
8. Identify interior aircraft ventilation procedures.
9. Identify interior aircraft attack procedures.
10. Demonstrate proper ground ladder inspection procedures.
11. Demonstrate how to deploy applicable ladders to access aircraft.

W0009 Adapting Structural Equipment

Adapting structural equipment for ARFF personnel may include the following topics:

1. Use of hydraulic extrication equipment on an aircraft and how it differs from that use on motor vehicles.
2. Use of power circular saws, reciprocating saws, and various other power tools designed for structural firefighting and the challenges their use on aircraft present.
3. Use of fire axes, Halligan tools, pike poles and other hand tools designed for structural firefighting and what each would be used for.
4. Incorporating structural apparatus into an aircraft response.
5. Supplying water to an ARFF truck with structural apparatus or a potable drafting tank.

W0010 Aircraft Cargo Hazards

Aircraft cargo hazards training for ARFF personnel may include the following topics:

1. Identify the hazards indicated by each Department of Transportation (DOT) and International Civil Aviation Organization (ICAO) label.
2. Identify the limitation of the DOT and ICAO classifications and labeling system.
3. Identify local procedures in the event of a HAZMAT situation requiring a HAZMAT response.
4. Identify the procedures for contacting and using the Chemical Transportation Emergency Center (CHEMTREC) and other resources to obtain information about a hazardous material.
5. Using information obtained from the DOT Emergency Response Guidebook (ERG) and CHEMTREC, identify the appropriate response, including risk assessment and rescue or evacuation requirements, for a given situation involving hazardous materials.

W0011 Duties Under Airport Emergency Plan (AEP)

Airport emergency plan training for ARFF personnel may include the following topics:

1. Identify airport pre-fire and emergency plans.
2. Identify various types of aircraft-related emergencies.
3. Identify and understand the incident command system (ICS) to be utilized in an emergency, according to the National Incident Management System (NIMS) or the airport emergency plan (AEP).
4. Identify the procedures to use to size-up a given aircraft accident/incident.
5. Identify and understand individual duties as described in the AEP.
6. Identify the other duties of his/her organization under the AEP.

W0012 Live Fire Drill

This specialized category is intended for recording hours related directly to the use of live-fire training in an ARFF environment.

W0013 Other ARFF Duties

This specialized category is intended for hours related special topics related to ARFF training.

Category X- Emergency & Disaster Planning Training

X0000 Emergency & Disaster Planning Training

An organized emergency operation plan should be made in advance which will utilize all possible local facilities and mutual aid in the event of a disaster. Planning should include the wide range of tools and methods needed by the fire department to rescue a victim who may be underground, underwater, in a collapsed building, in a wrecked automobile or high in a building. All firefighters should be familiar with their local emergency operations plan and have some knowledge of past disasters that have occurred.

Category Y- Fire Investigation Training

Y0000 Fire Investigation Training

Fire investigation can be defined as the compilation and analysis of information related to fires and explosions. Fire investigations are usually conducted to determine the cause and origin of the fires and the factors contributed to the ignition and growth. This information can then be used to identify trends, prevent similar incidents from occurring, and in other ways to reduce fire losses and prevent fire deaths.

Examples of topics for this category include, but are not limited to:

1. Responsibilities of a fire investigator.
2. Conduct and statements at the scene.
3. Securing the scene and legal considerations.
4. Protecting and preserving evidence.
5. Assessment of the causes and origins of fires.

Y0001 Arson I Course

Arson I or Fire Investigations: First Responder is a training course specifically designed for the firefighter who is inexperienced in arson detection and the preservation of evidence at a fire scene. Some of the topics discussed in the class are: Fire behavior, scene security and preservation, observations, fire causes, legal considerations, and reporting of findings.

Y0002 Arson II Course

This is a comprehensive course with emphasis on techniques to determine the cause and origin of fires. Actual case scenarios will be incorporated to enhance this class. A wide variety of expertise is brought together through cooperation of local, state, federal fire, police, and private investigators to provide the student with excellent instruction and detail. Arson I is a prerequisite for this course, which is sanctioned by the International Association of Arson Investigators.

Y0003 Arson III Course

This course is the final and concluding level in arson investigations. This course emphasizes legal aspects, case preparations, trial procedures, and criminal enforcement. A mock trial is conducted in this course. Arson I and Arson II are prerequisites for this course, which is sanctioned by the International Association of Arson Investigators.

Y0004 Fire Investigation Technician Course

This course is intended to provide the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing, and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes. Topics covered in this course include: Recognition of potential health and safety hazards of fire investigation, process of conducting investigations using the scientific method, identification of cause and origin, and differences of accidental and incendiary fires.

Category Z- Pump Operations Training

Z0000 Pump Operations Training

Firefighters need to be trained to operate the pumping apparatus, as operated by their fire department. Personnel should be trained in the daily, weekly, or monthly maintenance needed for the pumping apparatus. Training shall be consistent with the latest edition of job performance requirements of NFPA 1002 *“Standard for Fire Apparatus Driver/Operator Professional Qualifications.”* **ROUTINE MAINTENANCE DUTIES, PUMP OPERATIONS ON FIRE GROUNDS OR TESTING IS NOT CONSIDERED TRAINING.**

Examples of topics for this category include, but are not limited to:

1. Components which are needed to classify a fire apparatus.
2. Calculation of friction loss and elevation loss/gain.
3. How to obtain the static pressure.
4. Steps required for establishing a pumping operation from a draft.
5. Use of fire ground calculations during a theoretical incident.

Category AA- Fire Officers Training

AA0000 Fire Officers Training

This category is used to record general training hours related to fire service management and officers. Training hours from National Fire Academy courses, such as the Leadership series, may be listed under this code.

AA0001 Fire Officer I Training

Examples of topics for this category include, but are not limited to:

1. Behavioral Theory of Leadership.
2. Steps of the decision-making process.
3. Steps of the speech preparation process.
4. Conducting an accident investigation.
5. Identification of facts about incident size-up.

AA0002 Fire Officer II Training

Examples of topics for this category include, but are not limited to:

1. Four stages of the change process within an organization.
2. Distinguishing between internal/external aid agreements.
3. Budget systems and budget types.
4. Facts about a post-incident analysis.
5. Initial attack and a sustained attack.

AA0003 Chief Fire Officer Training

Examples of topics for this category include, but are not limited to:

1. The need for leadership in the fire service.
2. Reasons for effectively communication with stakeholders.
3. How to develop a strategic plan.
4. Planning for an emergency using the National Incident Management System.
5. The role of chief officers in the scope of intergovernmental relations.

Category BB- Methodology Training

BB0000 Methodology Training (General)

Use this category to record hours in general methodology training, for categories that are not specifically listed.

BB0001 Fire Instructor Level I Course

Use this category to record and track hours completed in the Instructor Level I course. Upon successful completion of prerequisites and course requirements, this class may lead to both IFSAC Accredited certification and certification as a Kentucky Level I Instructor.

BB0002 Fire Instructor Level II Course

Use this category to record and track hours completed in the Instructor Level II course. Upon successful completion of prerequisites and course requirements, this class may lead to both IFSAC Accredited certification and certification as a Kentucky Level II Instructor.

BB0003 Methodology-Bridge/Refresher Training

Use this category to record and track hours completed for either the Bridge Course (For out-of-state instructors) or refresher hours for those that have already obtained certified KY Fire Instructors.

BB0004 NFPA 1403/Live Fire Training Instructor Courses

Use this category to record and track Instructor Methodology hours completed in the NFPA 1403 Conducting Live Fire Training courses; Live Fire Training Instructor and Live Fire Instructor-In-Charge compliance training. **Do not use this code for actual live fire training.**

Category CC- Drivers Training

CC0000 Drivers Training

It is important that all firefighting personnel who may find themselves in the role of driving a fire apparatus be properly trained in defensive and emergency driving, in accordance with NFPA 1002 *“Standard for Fire Apparatus Driver/Operator Professional Qualifications.”*

Examples of topics for this category include, but are not limited to:

1. Emergency operation of fire apparatus, laws, regulations, and standards.
2. Human factors and physical forces impacting emergency vehicle operation.
3. Recognizing areas of concern when responding to emergency incidents.
4. Operation of a fire apparatus in the cone course.
5. The role of SOP/SOG in an effective driver training program.

CC0001 Drivers Training-Privately Owned Vehicle (POV)

Use this category to record training hours received in safe and proper emergency operation of privately-owned vehicles.

Category DD- Fire Inspection Training

DD0000 Fire Inspection Training

This category is for the specialized field of fire inspection, which is required to make fire safe communities. Fire prevention inspections are conducted for code enforcement and training in this area should provide the basics for a new fire prevention inspector or as skills enhancement for fire chiefs, fire officers or inspectors. Course material may be based on the Kentucky Building Code, NFPA *National Fire Codes*, or International Building, Fire or Mechanical Codes to qualify for credit.

DD0001 Fire Inspector I Course

This course contains information about the most recent version of fire codes and how to conduct fire prevention inspections daily.

DD0002 Fire Inspector II Course

This course is for building code officials and inspectors that deal with life safety issues, such as occupancy and loads.

DD0003 Pre-Planning and Inspections Training

Use this category to record training related to how to conduct building pre-planning and inspections.

Category FF- Incident Command Systems/NIMS Courses

FF0000 Incident Command Systems/NIMS Training

Use this category to record training for general ICS and National Incident Management (NIMS) Training that are not specifically listed below. "CEU" shown on ICS/IS certificates: 0.1 CEU = 1 Contact (Clock) Hour.

FF0001 Incident Command Systems 100 (ICS 100) Course

Use this category to record training hours exclusively for ICS 100 course.

FF0002 Incident Command Systems 200 (ICS 200) Course

Use this category to record training hours exclusively for ICS 200 course.

FF0003 Incident Command Systems 300 (ICS 300) Course

Use this category to record training hours exclusively for ICS 300 course.

FF0004 Incident Command Systems 400 (ICS 400) Course

Use this category to record training hours exclusively for ICS 400 course.

FF0007 Incident Command Systems 700 (ICS 700) Course

Use this category to record training hours exclusively for ICS 700 course.

FF0008 Incident Command Systems 800 (ICS 800) Course

Use this category to record training hours exclusively for ICS 800 course.

Category HH- Aerial Operations Training

HH0000 Aerial Operations Training

Aerial apparatus is widely used in the fire service today and the aerial driver/operator must be trained in its safe, efficient, and effective use. Training shall be consistent with the latest edition of job performance requirements of NFPA 1002 *“Standard for Fire Apparatus Driver/Operator Professional Qualifications.”*

ROUTINE MAINTENANCE DUTIES OR AERIAL OPERATIONS ON FIRE GROUNDS OR TESTING IS NOT CONSIDERED TRAINING.

Examples of topics for this category include, but are not limited to:

1. Aerial apparatus safety.
2. Types and construction of aerial apparatus.
3. Positioning and stabilization of the aerial apparatus.
4. Operation of telescoping or articulating aerial equipment.
5. Aerial apparatus strategy and tactics.

Category GG- Grandfather Hours

G99/990000 Grandfather Hours

This category was used to record grandfather training hours from an older training system. **DO NOT RECORD NEW TRAINING HOURS INTO THIS CATEGORY.**

Category II- Special Topics in Firefighting

II0000 Special Topics in Fire/Rescue

This category can be used to record special topics courses related to the fire service that may not fit well in any of the categories or sub-categories listed in this book. Specify on all training forms (including yellow sheets) the topic of the course and maintain all documentation.

II0001 Drones in the Emergency Services

This category can be used to record courses that have objectives and content related to Small Unmanned Aerial Systems (sUAS). The intent of these programs may be to raise awareness in the fire service on the various types of sUAS, their common uses, and safe and legal operation thereof.

II0002 Response to Special Needs Population

Millions of Americans have physical, medical, sensory or cognitive disabilities, emergencies such as fires, floods and acts of terrorism present a real challenge. The same challenge also applies to the elderly and other special needs populations. This category can be used to record courses that have objectives and content that address ways that responders can assist people with disabilities in an emergency.

Category JJ- Chaplain Training

JJ0000 Chaplain Training

Use this category to record chaplain training hours, which may lead to Kentucky Fire Chaplain certification.

Category KK- Health and Wellness Training

KK0000 Health and Wellness Training

The overall health and wellness of firefighters plays a significant role in the ability to perform required duties. Examples of training that meet the criteria for this category include: WFI assessments performed by ACE Certified Peer Fitness Trainers; Nutrition classes taught by qualified personnel such as the local health department; Certified Personal Trainers instructing proper weight lifting techniques or instructing about a specific workout program such as: Cross-fit or P90X; or "Fit to be a Hero" online program offered through: ky.train.org.

Category LL- Forestry Firefighting Training

LL0000 Forestry Firefighting Training (General)

Use this category to record general training related to forestry or wildland firefighting. **Use category FC30000 to record the KY Wildland Firefighting Awareness course in order to receive proper credit for Kentucky firefighter certification purposes.**

LL0001 S-130 - Wildland Fire Control Course

Wildland Firefighter Training, S-130 along with Introduction to Wildland Fire Behavior, S-190, are required training for all personnel prior to certification as a Firefighter (FFT2) under the Wildland and Prescribed Fire Qualification System Guide, PMS 310-1. An adapted version of L-180, Human Factors on the Fireline, has been included as part of this course. This entry-level course for all new

firefighters can also be used as a refresher course for returning firefighters. The purpose of this course is to train new firefighters in basic firefighting skills.

LL0002 S-190 - Wildland Fire Behavior Course

This is the first in a series of National Wildfire Coordinating Group (NWCG) courses that provide the student with wildland fire behavior knowledge applicable for safe and effective fire management activities (wildfires, prescribed fire, and fire use). This course introduces students to characteristics and interactions of the wildland fire environment (fuels, weather, and topography) that affect wildland fire behavior for safety purposes. The materials in this course are elements of the wildland fire behavior curriculum.

LL0003 S-215 - Fire Operations in the Wildland/Urban Interface Course

This course provides the student with the skills and knowledge to size-up and make tactical decisions during a wildland/urban interface fire incident. Information is presented about evaluation of the situation, ordering and deployment the necessary resources, and application of safe and effective strategies and tactics to minimize the threat to life and property.

Category FC- Fire Commission Required Courses

FC10000 Firefighter Survival (Classroom/Lecture Portion)

This intensive training course was developed in response to the tragic deaths of many firefighters across the nation in the past. Many of those who perished did so because they could not get out of the fire building or area where they were working. The Firefighter Survival course reviews conditions and situations which may pose a risk to firefighters and trains firefighters how to help their own, in emergency conditions. This category is intended for recording training hours related to the classroom/lecture portion of the Firefighter Survival course. (3) hours must be recorded in this category for Basic 1 and/or Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

FC11000 Firefighter Survival Course (Skills)

This intensive training course was developed in response to the tragic deaths of many firefighters across the nation in the past. Many of those who perished did so because they could not get out of the fire building or area where they were working. The Firefighter Survival course reviews conditions and situations which may pose a risk to firefighters and trains firefighters how to help their own, in emergency conditions. This category is intended for those that have completed all skills during the FF Survival course. (3) hours must be recorded in this category for Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

FC20000 Firefighter Rescue (Classroom/Lecture Portion)

This intensive training course is designed to help the fire service rescue its own members. Topics such as: Calling the mayday, rapid intervention teams, fireground safety and communications are discussed. This category is intended for recording training hours related to the classroom/lecture portion of the Firefighter Rescue course. (3) hours must be recorded in this category for Basic 1 and/or Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

FC21000 Firefighter Rescue Course (Skills)

This intensive training course is designed to help the fire service rescue its own members. Topics such as: Calling the mayday, rapid intervention teams, fireground safety and communications are discussed. This category is intended for those that have completed all skills during the FF Rescue course. (3) hours must be recorded in this category for Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

FC30000 Wildland Firefighting Awareness Course

This course serves as an entry-level course that introduces structural firefighters to wildland firefighting situations encountered in Kentucky. Topics such as basic wildland fire behavior, identification of suppression tools and equipment, and basic wildland safety/survival issues are discussed in this class. These individuals must complete this course for Kentucky certification at the Basic 1 or 2 level, regardless of certification status as a Firefighter I and/or II. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course.

FC40000 KY Flashover Recognition and Survival (Classroom/Lecture)

The purpose of this course is to provide Kentucky's Fire Service with a safe and secure system of flashover recognition and survival training, which is aimed at saving firefighters from death and injury. Recognition of an impending flashover and techniques that may provide time to escape is discussed in this class. This category is intended for recording training hours related to the classroom/lecture portion of the Flashover Recognition and Survival course. (3) hours must be recorded in this category for Basic 1 and/or Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

FC41000 KY Flashover Recognition and Survival (Skills)

The purpose of this course is to provide Kentucky's Fire Service with a safe and secure system of flashover recognition and survival training, which is aimed at saving firefighters from death and injury. Recognition of an impending flashover and techniques that may provide time to escape is

discussed in this class. (3) hours must be recorded in this category for Basic 2 Firefighter certification as of January 1, 2023. Hours recorded in this category must have an instructor of record that is an active State Fire Rescue Training Instructor who has completed the train-the-trainer course for this subject.

Section Three

Fire Training Forms



KENTUCKY FIRE COMMISSION

110 Cleveland Drive Paris, Kentucky 40361

IN-HOUSE TRAINING ROSTER

Date: _____ Host Agency: _____ Location: _____

Lead Instructor (Print): _____ FFN: _____ Level: 1 2 3

Assisting Instructor (Print): _____ FFN: _____ Level: 1 2 3

Category	Class Name	Curriculum	Lesson Plan	Start	End	Method	Hours
						CR HO OL	
						CR HO OL	

FFN	LAST NAME	FIRST NAME	INITIALS	HOURS

Instructor Signature: _____

DATE ENTERED: _____

ENTERED BY: _____

KFS-1A In-House Training Roster
Explanatory Information

Yellow Highlighted Areas

Date	The date the class was instructed
Host Agency	This will be the agency responsible for providing the instructor for the class. That hosting agency may be for example ABC Fire Department, State Fire Rescue Training, State Fire Marshal Office, Kentucky Fire Commission, or Kentucky Office of Homeland Security.
Location	The location at which the training was held. For example, ABC Fire Station 1, State Fire Rescue Training Area 13 Office, Jefferson County Regional Fire Training Center, Morgan County Community Center.

Green Highlighted Areas

Lead Instructor	Instructor responsible for the class. This instructor will be the person held accountable for the material delivered and overall direction and oversight of the class.
Assisting Instructor	Instructor(s) utilized to assist with the delivery of the class due to class size, amount of material to be delivered, hands-on skills, and/or subject matter knowledge.
FFN	Fire Commission Issued "Firefighter Number"
Level	Level of Certification of each instructor

Gray Highlighted Areas

Category	Fire Commission established "Class Category". Example A0000, B0000, FC30000, AA0000.
Class Name	Indicates the class that was taught. Examples are Hose Loads, SCBA, Turnout Gear, Knots & Hitches, Pre-Planning, Drafting Operations.
Curriculum	This indicates the approved materials which were used. Examples are IFSTA Essentials, Jones & Bartlett, Fire Engineering. Special Note: If class was written and developed by a Level 2 or 3 instructor, you must attach a copy of the lesson plan to the roster. Also, in the block provided put "See Attached Lesson Plan".
Lesson Plan	This indicates the lesson plan from which the instructor taught the class. Examples would be; Chapter 10 Fire Hose & Appliances, Chapter 5 Firefighter Personal Protective Equipment, and Chapter 1 Orientation & History.
Start Time	Indicates the time class began.
End Time	Indicates the time class was concluded.
Method	Indicates the way the class was presented. CR – Classroom, HO – Hands-on, and OL – Online. If the class is presented using a combination of two or more methods just circle all that apply.
Hours	Indicates the total time a class took to complete.

KFS-1A In-House Training Roster
Explanatory Information

Blue Highlighted Areas

FFN	Kentucky Fire Commission issued Firefighter Number. Example would be 0000999, 0009999, 0099999. All "Firefighter Numbers" are seven numeric digits.
Last Name	Printed Last Name of each individual firefighter attending the class.
First Name	Printed First Name of each individual firefighter attending the class. Names may be typed or filled in electronically.
Initials	This block must contain the legal initials of each firefighter. These initials must be signed by each firefighter attending class for themselves. This is not the middle initial for everyone.
Hours	This area indicates the number of hours attended by each firefighter for each of class(s) for this roster. The first column will be the hours as indicated for the first class in the "Gray" highlighted area. The second column will be the hours as indicated for the second class in the "Gray" highlighted area. This area has the two columns for the purpose to allow the instructor to easily indicate if a student comes in late or leaves early and is not in attendance for the entire class.

Red Highlighted Area

Signature	This area is the signature of the lead instructor for the class and should be the same individual listed in the "Green" highlighted area as the "Lead Instructor".
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Pink Highlighted Areas

Date Entered	This area is used by the department training officer or individual responsible for entering the roster information into the KYFIRES and should be the date in which the roster information is entered the KYFIRES.
Entered by	This area is used by the department training officer or individual responsible for entering the roster information into the Kentucky Fire Training System and should be that individual's "printed name".

KENTUCKY FIRE COMMISSION

KFS-1b Training Notice

FF Name:

FFN:

Instructor Name (Printed):

FIN:

	# Hrs	Cat/Code::	Start Time:	Method:
1				HO/CR/OL
2				HO/CR/OL
3				HO/CR/OL
4				HO/CR/OL
5				HO/CR/OL

Date:	Host Dept:	Agency:
		FD SFRT

Instructor Signature

Total Hrs
This Form

MANDATORY: This training notice is to be retained by the fire department. DO NOT forward this form to the Ky Fire Commission Office. Your Fire Department is responsible for reporting the training via the Fire Training System.

Revised 03/10

KENTUCKY FIRE COMMISSION

KFS-1b Training Notice

FF Name:

FFN:

Instructor Name (Printed):

FIN:

	# Hrs	Cat/Code::	Start Time:	Method:
1				HO/CR/OL
2				HO/CR/OL
3				HO/CR/OL
4				HO/CR/OL
5				HO/CR/OL

Date:	Host Dept:	Agency:
		FD SFRT

Instructor Signature

Total Hrs
This Form

MANDATORY: This training notice is to be retained by the fire department. DO NOT forward this form to the Ky Fire Commission Office. Your Fire Department is also responsible for reporting the training via the Fire Training System.

Revised 03/10



**Kentucky Fire Commission
State Fire Rescue Training
110 Cleveland Drive
Paris, KY 40361
1-800-782-6823**