

SAFERE 2019

COURSE CATALOG



9:00 am - 5:00 pm, Wednesday, August 21, 2019 [Room 206]

Fire Inspector Continuing Education

Workshop Description:

Illustrated Code Violations

This course utilizes photographs of actual fire code violations to engage students in participatory discussion about each of the violations. Students will identify the code section, corrective action needed to resolve the violation and if any alternative solution may be considered.

This session presented by: Charlie Johnson, Fire Code Outreach Consultant, NC DOI / OSFM

9:00 am - 5:00 pm, Wednesday, August 21, 2019 [Room 305B]

Firefighting Operations at Mega Mansions

Workshop Description: Today's residential homes are being built larger than ever and in all community settings from rural to suburban to urban. These occupancies present significant risks and operational challenges to commanders and firefighters, who must have increased knowledge and more skill sets to employ the operational models that must be used in these structures.

The program provides leading insights on building construction, engineered systems, design configurations, and characteristics of common mega-mansions--homes ranging from 4,000 to 40,000 square feet, with operational focus on the 6,000-18,000 SF residential footprint. Completely updated for 2019.

This session presented by: Christopher Naum, SFPE, Command Institute

9:00 am - 5:00 pm, Wednesday, August 21, 2019 [Room 306B]

Chief 101

Workshop Description: This class will satisfy the 9S inspection criteria as specified by the North Carolina Administrative Code. The primary objective of the course is to inform current and future chief officers of the various aspects and complexities surrounding the operations and organization of North Carolina fire departments.

Emphasis will be placed on ratings and inspections, NFRIS reporting, prevention and grant programs, basic line-of-duty death information, financial considerations, and an overview of the various expectations facing a chief officer.

This session presented by: Brian Wade, NC OSFM

9:00 am - 5:00 pm, Wednesday, August 21, 2019

The Run & Gun Engine Company

Location: Durham Training Center, 2008 East Club Blvd., Durham, NC

Workshop Description: The Run & Gun Engine class is a hands-on training course that will provide the student with ideas and options to achieve engine company success on the fireground. This course will address the concepts of stretching and advancing hose from preconnected and static hose beds. This course will also address the concepts of running long lines and operating the big guns of the Engine company. This class will introduce methods of running long lines, bundles, and extending pre-connects. Additionally, the use of 2.5 and larger streams on the fireground will be demonstrated and played out.

This session presented by: Richard Ray, City of Durham Fire Department, Jonah Smith, City of Charlotte Fire Dept., and Gary House, Town of Cary Fire Dept.

9:00 am - 5:00 pm, Wednesday, August 21, 2019

Everything Saws for the Fire Service

Location: Keeter Training Center, 105 Keeter Center Drive, Raleigh, NC

Workshop Description: We are in a generation where our new firefighters have no understanding of power tools, specifically saws. Also, our fire ground has evolved to the point where many times a saw is needed to help mitigate a scene. This class will cover the different saws encountered in the fire service; to include chainsaws, rotary saws, recap saws, and band saws. Battery powered vs. electric vs. gasoline powered equipment will be discussed as well as used.

Maintenance and trouble shooting will be addressed as well as performed. Students will also be able to use different saws/saw blades and saw chains on different materials, which helps students performing a saw evaluation for their department. Lastly, saws will be used in different skills that are routinely performed on fire ground scenes.

This session presented by: Julio Ramos, Fireground & Special Ops Concepts, Dara Hennessey, Mt. Dora FD, Jeff Mrwik, St. Johns F/R, William Knight, Dekalb F/R, & Stephen Cox, Flagler Beach F/R

9:00 am - 5:00 pm, Wednesday, August 21, 2019

Set the Stage - Fire Ground Skills for a Successful Performance

Location: Keeter Training Center, 105 Keeter Center Drive, Raleigh, NC (subject to change)

NOTE: Attendees must bring PPE, an air pack, and spare cylinder

Workshop Description: A focus on preparation and delivery of critical fire ground tactics; to include hose bed/hose load design and preparation, hose deployment, realistic target flows and manpower needed to deliver, water flow/mapping, search, ventilation, ground ladder carries and capabilities, and coordinated fire attack.

This session presented by: Greg Wheeler & Tim Houston, City of Raleigh Fire Department



9:00 am - 12:00 pm, Wednesday, August 21, 2019 [Room 306C]

Autism Recognition & Response for First Responders

Workshop Description: This class is designed to help responders identify characteristics in autistic individuals that they may encounter on responses. Responders will gain knowledge of how to approach, interact, and provide treatment to someone with autism. Autism affects 1 in 59 children born in the US and it is in every community in the nation. It affects all ethnic and socioeconomic groups, and there is no medical detection for autism.

This class helps responders understand that 30%-40% of all autistic people are non-verbal, and the different methods needed to communicate with those individuals. I have taught this class 12 times at various departments in the western region. It is an often overlooked area in our profession.

This session presented by: Brian Murray, Hickory Fire Department

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9:00 am - 1:00 pm, Wednesday, August 21, 2019 [Room 306A]

Fire Service Mortar: The Critical Role of the Company Officer

Workshop Description: This program is designed to be a no-nonsense approach to company officer leadership. We will not be talking about theory, we are going to talk about realistic and practical ways that have been proven to build an effective group of performers within your team. Key concepts discussed will be preparation, credibility, training, team building, values, and more.

I will bring my previous military experience as well as my experience in my current role to reinforce the importance of unit cohesion and how to achieve it. It will be my goal to demonstrate just how critical strong company level leadership is to the overall success of your organizations. Fire Service Mortar is meant to inspire action and produce results in your company and your department as a whole. You will be given the tools today to make immediate change tomorrow.

This session presented by: Jarrod Sergi, Norfolk Fire Rescue, VA

9:00 am - 1:00 pm, Wednesday, August 21, 2019 [Room 201]

Proven Truck Tactics Using Acquired Buildings

Workshop Description: Using more than 200 acquired structures, from single-family dwellings to large, multi-story high-rises, this workshop presents an insight into truck company tactics that have been proven and implemented on the fireground. Topics span from forcible entry and vertical ventilation to window-to-door conversions and researched drills.

The objective of this workshop is to deliver interactive information to students on how to acquire buildings for training, and the experiments and results that I compiled from the buildings. The workshop is very interactive, using multiple camera angles to demonstrate and enforce the proper techniques on the fireground.

This session presented by: Jason Joannides, Columbia Fire Department

9:00 am - 1:00 pm, Wednesday, August 21, 2019 [Room 305A]

Building the Foundation of a Winning Team

Workshop Description: As America's fire service witnesses the baby boomers retiring and leaving the fire service, it is critical that leadership continue to build solid winning teams. This dynamic high energy/high impact program will drill into the heart of the foundation of what it takes to create a winning team in the fire service. The foundation consists of creating and communicating a vision, and setting "SMART" goals in the fire service, focusing on the utilization of the many talents that exist in our younger personnel. You want to accomplish this through proper engagement and utilization of these personnel who have a plethora of predicated knowledge, skills, abilities, and a diverse background from existing personnel. Learn how these building blocks will incorporate the existing talent for ultimate outcomes with a winning team.

This session presented by: Douglas Cline, Horry County Fire-Rescue

1:00 pm - 3:00 pm, Wednesday, August 21, 2019 [Room 306C]

Understanding Fire Service Suicide: The Key to Prevention

Workshop Description: Students will learn methods to prevent suicide by learning its traceable causes. Individual, company level, and departmental methods for prevention will be explained. Suicide tragically results when the decedent incorrectly concludes their death could be a service to others. While there are numerous causes of suicide, there are a few common risk factors that can be identified early to help with intervention. Social isolation and withdrawing from others is one of the greatest risk factors.

Dr. Joiner developed a model for explaining suicidal behavior. He demonstrates that suicide occurs when three factors intersect; thwarted sense of belonging, perception that he/she is a burden, and capacity to engage in lethal action. Remove one of these factors, and the risk for suicide is reduced. The causes that lead to fire service suicide are varied and can be work-related, personal, or a combination. Resources like peer support and treatment to prevent maladaptive coping will be explained.

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Key objectives are:

- Suicide as a dark secret in the fire service
- Risk factors for suicide
- Protective factors associated with prevention, and methods of stress management
- Company officer / department responsibilities

This session presented by: Dena Ali, Raleigh Fire Department



2:30 pm - 4:00 pm, Wednesday, August 21, 2019 [Room 306A]

Probie to Promotee: The Missing Link of Professional Development

Workshop Description: This course addresses the largest gap of fire service development, initial certification to first promotion. The fire service has become overly focused on educating current and prospective officers and chiefs on leadership, yet has failed to prepare our newest, most influential members on how to survive our firehouses once they join a company, and what to expect during their transition from probation to promotion. The goal of this program is to groom our future leaders to be successful followers first. This course is centered around followership, enthusiasm, early appreciation of fundamental skills, and enjoying the unique perspective and rewards that can only be enjoyed as a junior member. From the first-year firefighter to the 30-year chief, all members will find strategies in this course to make a solid foundation of fundamental concepts in their department.

This session presented by: Mark Aloan, Columbia County (GA) Fire Rescue

FRIDAY, AUGUST 23, 2019

9:00 am - 5:00 pm, Friday, August 23, 2019 [Room 303]

Aggressive Command Supports Aggressive Firefighting

Workshop Description: Incident command systems are often overdone or underdone. Cumbersome command practices that allow the building to burn down while command is “setup” are just as frustrating and problematic as the lack of any strong direction and organization.

Departments must avoid impractical command practices that slow or hamper putting the fire out, but must also avoid a lack of strong command that fails to organize the incident and aggressively deploy crews to solve the problem. This program discusses best practices that incident commanders can use to maximize the capabilities of their firefighting forces.

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Utilizing audio, video, and studies of actual incidents, the instructors will reflect on their successes and failures at incidents. Topics will be discussed with the goal of sharing actionable knowledge, processes, and systems that can be immediately applied to improve the practicality and success of your command system.

This session presented by: Nicholas Martin, Salisbury Fire Department

9:00 am - 1:00 pm, Friday, August 23, 2019 [Room 301A]

Responding to Ethanol Emergencies by Rail

Workshop Description: This class provides basic chemical and physical properties of ethanol, how they are transported by rail, and covers several real life case studies on ethanol rail emergencies, both leaks and derailments. Also covered are the unique firefighting tactics required when fighting an ethanol rail car fire.

This session presented by: Justin Hahn, Norfolk Southern

9:00 am - 1:00 pm, Friday, August 23, 2019 [Room 302A]

Eight Attitudes of Servant Leadership

Workshop Description: Leadership begins with serving. No role, position, job, task or calling of leadership in Emergency Services can be effective unless there is first a willingness to serve by the individual. Many want successful positions, ranks, and roles in leadership, but not everyone wants to serve. Proper serving in leadership begins with a proper attitude. This dynamic program will explore the 8 Attitudes of Servant Leadership as related to the fire service in an effort to focus the leadership efforts of officers in the right direction for high performance leadership.

This session presented by: Douglas Cline, Horry County Fire Rescue

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9:00 am - 1:00 pm, Friday, August 23, 2019 [Room 305B]

Reading the Building & Occupancy Risk: Building FACTS

Workshop Description: Today's buildings and occupancies continue to present unique challenges to command and operating companies during combat structural fire engagement. Building and occupancy profiling, identifying occupancy risk versus occupancy type, construction methods, features, systems, and components require new skill sets in reading the building and implementing predictive occupancy profiling for firefighters, company, and command officers for effective and efficient fireground operations.

Focusing on a wide variety of residential, commercial, and multiple occupancy dwellings, the program will present leading insights on improved building size-up, risk assessment, and determining and implementing appropriate tactical operations for today's evolving fireground challenges, operations, and incident management. Incorporating the Buildings on fire FACTS concept for First-Arriving Construction, Tactics, and Safety, this program provides a methodology and process to increase operational effectiveness and ensure critical building factors are identified, assessed and monitored throughout the incident.

This session presented by: Christopher Naum, Command Institute

9:00 am - 12:00 pm, Friday, August 23, 2019 [Room 302B]

What to Expect on a State Deployment

Workshop Description: This session is designed to inform and prepare NC Fire Department members on what to expect when answering a State Deployment Request. State deployments amongst the Fire Service in NC have risen over the last 2 years. Knowing what to expect when responding to a deployment is sometimes cloudy. It is important for participating deploying departments to fully understand what is expected and what is needed for the duration of the deployment. Using prior deployments such as Hurricane Matthew, Party Rock (Western NC Wildfires), and more recently Hurricane Florence, the State Deployment Model has served and worked well to supplement fire services in affected areas. The topics covered will directly relate to the success of a well organized deployment effort.

Objectives: Self-Sustainability, Intel, Management, Expectations, Documentation, Communications

This session presented by: Chris Murray, Pamlico County Emergency Management/Fire Marshal's Office and Michael Caviness, OSFM

9:00 am - 11:30 am, Friday, August 23, 2019 [Room 306B]

Line of Duty Death Roundtable

Workshop Description: A LODD is a tragic event that has broad spectrum impact on officers, fire departments, families, communities, and the extended emergency response family. How these events and their impact are managed help shape response and recovery, or lack of recovery, for all concerned. Part classroom instruction and part round table discussion, this course is designed to equip the fire company officers and firefighters with the ability to recognize where and how these events may be creating a negative impact on the department, its members, and the community, and to suggest strategies for navigating through this difficult recovery process.

This session presented by: Chaplain to the NCFFF, Reverend Dana McKim and Eithiel Estes, NC Critical Incident Stress Consortium

9:00 am - 10:00 am, Friday, August 23, 2019 [Room 201]

Recruit to Retirement with the Right Medical Testing for Firefighter Health

Workshop Description: A 20-year-old firefighter is subject to different medical risks than a 50-year-old firefighter. By utilizing appropriate medical interventions, we can deploy an evidence based strategy that addresses the physical demands, emotional stress, and additional medical risks associated with firefighting. This session will discuss current firefighter medical guidelines and the current understanding of the increased medical risks for firefighters, as well as emerging medical testing designed to address these risks. Participants will learn what makes a medical test a good test, and how use of bad testing can harm firefighters.

This session presented by: Dr. Gonzalo Fernandez, SiteMed

9:00 am - 10:00 am, Friday, August 23, 2019 [Room 202]

Social Media: How to Use It to Your Agency's Advantage & How Not to Get Fired Because of What You Post

Workshop Description: Is your agency using social media to maximize their interaction with the public? Do your agency's posts result in active social media presence? Lets discuss some best practices to ensure your community stays engaged with the content that you are sharing. We will also review what some of our former colleagues have posted that ended their careers, some good social media policy guidelines, and how one city terminated an employee for a social media violation, which it costs the city \$1.5 million.

This session presented by: Dan Greenhaus, Wake New Hope Fire Department

9:00 am - 10:00 am, Friday, August 23, 2019 [Room 301B]

Now that I am a Chief Officer, How Do I Become a Leader

Workshop Description: The chief officers in the fire service should strive to become leaders, not managers. This presentation will involve attendees in an interactive discussion covering the differences between leading and managing others both on and off the incident scene; and the application of transformational/adaptive leadership techniques to enable chief officers (and those aspiring to be chief officers) to successfully complete their journey towards becoming a true leader.

Following participation in the presentation, attendees will be able to:

- Define the differences between leaders and managers
- Understand transformational/adaptive leadership techniques
- Apply transformational/adaptive leadership techniques to enhance their leadership capabilities

This session presented by: Glenn Clapp, Fuquay-Varina Fire Department

9:00 am - 10:30 am, Friday, August 23, 2019 [Room 205]

May Day for Mental Health

Workshop Description: The presentation is intended, at the very least, to create an awareness of attendees that they need to first self-examine and then as an organization reflect on what tools are in place to deal with the very real challenge of mental health. The Fire Service culture is a direct contributor to the stance that mental health disease is not a disease at all but rather a character deficiency.

The presentation is delivered from a very personal perspective as a Fire Chief and the turmoil that naturally evolves from trying to maintain the “super” image as the department leader versus the father who is struggling to keep his son alive.

This session presented by: Patrick Kenny, Western Springs, Illinois, Fire Chief

9:00 am - 10:30 am, Friday, August 23, 2019 [Room 305A]

Fire Department Based Inspections & Repairs: Is it Possible?

Workshop Description: Can fire departments fiscally benefit from performing their own 1851 advanced inspections and basic repairs in house rather than relying on ISP? Does this program reduce the amount of out of service time to the department and end user? Does the continued use of this type of program show reduced repairs due to firefighters being able to more quickly receive their PPE back from service than when an ISP is used? This class will investigate all of those questions based on real world policies and procedures from a fire department that has implemented this system and benefited greatly. Included in the class are the pro's and con's of starting the project, and fiscal projections of start-up costs versus long term benefits.

This session presented by: Ritch Moore, Cary Fire Department

9:00 am - 11:00 am, Friday, August 23, 2019 [Room 306A]

Rural Engine Company Operations

Workshop Description: This class is designed to give volunteer and rural engine company firefighters vital elements to increase their level of performance to achieve efficiency and safety on the fireground. The principles covered are based on engine companies that respond in rural areas where the challenges of nozzle and hose packages, water supply, apparatus set-up, and staffing affect fireground success.

The practices and concepts taught will be based on successful as well as unsuccessful experiences on the fireground and nationally recognized engine company practices. The student will gain ideas of how to set up the engine for success and ideas to improve the functionality of the engine within their department. The student will learn concepts for hose loads, appliance selection, and tools that the engine company should have and utilize when operating in a rural environment. The student will gain an understanding of the limitations of the engine while operating in a rural environment, successful hose and nozzle packages, and how to establish a positive water supply with and without a hydrant. Additionally, the student will learn how the rural engine company can adapt to the suburban environment. These practices and concepts taught are effective, safe, and inexpensive.

This session presented by: Richard Ray, City of Durham Fire Department

9:00 am - 11:00 am, Friday, August 23, 2019 [Room 302C]

Initial Fire Ground Decision Making

Workshop Description: This interactive workshop is designed to enhance the company officers' ability to make sound, rapid, initial tactical decisions to ensure safe and successful fire ground operations. Whether your department responds to 2 or 200 working structure fires a year, the tactical decisions the initial arriving officer makes will set the stage for a successful outcome of the fire.

This interactive workshop provides an important review of building construction, size-up, water supply, and fire behavior, all of which must be considered when deciding which course of action your company will take. The instructor will provide a suggested method for rapidly reading the building and calculating all the essential factors to make successful initial tactical decisions on a working structure fire.

Through the use of PowerPoint, case studies, videos, and interactive simulations, students will experience a variety of structures involved in various stages of fire involvement. Using the instructor's methodology, participants will discuss and make rapid and accurate initial tactical decisions. Group discussions and debate are encouraged.

This session presented by: Chief Leroy Smith, Holly Springs Fire Department

9:00 am - 10:30 am, Friday, August 23, 2019 [Room 306C]

Rosters, Relief Funds & Jones Street Rascals

Workshop Description: This class will be a brief overview of the fire department requirement on rosters, information concerning local relief funds, uses and reporting, and other activities the NC State Firefighters' Association handles.

There will also be an opportunity to ask questions on any topic related to the NC Fire Service. Several staff (Jones Street Rascals) will be there to answer them, or refer you to the proper source.

This session presented by: Tim Bradley, Executive Director and Dan Berg, Executive Administrative Assistant

10:30 am - 12:00 pm, Friday, August 23, 2019 [Room 301B]

The Art of Reading Smoke: The Next Generation

Workshop Description: Today's structure fires are more dangerous than ever before. Lightweight construction, low-mass synthetics, and open space floorplans have created a perfect storm for rapid, prolific fire growth and extreme behavior. It is imperative for firefighters of all ranks and experience to be prepared for this battle. The Art of Reading Smoke, developed by Dave Dodson and continued by Rob Backer, provides the knowledge necessary for first-arriving firefighters, officers, and chief officers to determine the fire's location and progression "from the seat" before seeing any flame.

Through the extensive use of fireground video, first-time students will develop, and return students will refine, their knowledge and skills to become INTELLECTUALLY aggressive firefighters, rather than ARBITRARILY aggressive. The Next Generation brings new research, a new library of videos, and discussion on cancer prevention, tactics, and strategies to blend today's fire service extinguishment and safety cultures into one cohesive unit.

This session presented by: Rob Backer, Thornton Fire Department in Thornton, Colorado



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11:00 am - 12:30 pm, Friday, August 23, 2019 [Room 305A]

Understanding the Millennial Firefighter

Workshop Description: Over the last 15-20 years the fire department, as we know, has taken a sharp turn. A new generation of firefighters are emerging, the millennial generation is now in place to lead the fire service into the next generation. Millennials, although full of great ideas and a new passion, can also create a challenge that many departments have yet to face. Millennials require a different style of leadership and engage on a totally different level than most veteran firefighters. Learning how to motivate them and gain their trust can take a department to a new level. Failure to engage with them can cause staffing shortages, short term hires, and numerous other challenges. This course will touch on some of the ways your department can better prepare and train millennials.

This session presented by: Mark Sullivan, Lime Biscuit Creative / Douglas County Fire

11:00 am - 1:00 pm, Friday, August 23, 2019 [Room 306C]

Stress First Aid for Firefighters

Workshop Description: Stress First Aid (SFA) is a set of supportive actions designed to help emergency responders assist each other in reducing the negative impacts of stress. This version of SFA was adapted from the Combat and Operational Stress First Aid model, designed specifically to support firefighters, EMS, and rescue personnel. SFA includes instruction for peers and mentors on understanding stress, recognizing how stress manifests in thoughts, words, and actions, and delivering the "Seven C's" of Stress First Aid (Check, Coordinate, Cover, Calm, Connect, Competence, Confidence) to each other. This method of assisting a co-worker undergoing stress is practical, flexible, and can be tailored to the specific need.

This session presented by: Anna Pigman, Asheville Fire Department

11:30 am - 1:00 pm, Friday, August 23, 2019 [Room 202]

It's All About Numbers: Nutrition for the Fire Service

Workshop Description: More than 70% of domestic firefighters are overweight or obese, a rate slightly higher than the general population, according to a recent study from the Centers for Disease Control and Prevention. The fire service is losing on an average of 50 firefighters every year in the line of duty from cardiovascular issues. This program will break down the "why" we as a fire service have to make a change and reduce these preventable deaths with proper nutritional intake and making better lifestyle choices to obtain a healthy and fit lifestyle within the fire service. This program will give each member the tools they need to make changes to eat correctly, learn about the myths of dieting, what, when, and how much we should be consuming, and of what types of foods for what type of personal goals. Every human body reacts differently to different nutritional intake. Each person will get the tools needed to help them find out what works for them, not a general main stream diet that will be short lived.

Learning Objectives: Basic Nutrition, Portion Control, Nutritional Values, Mental Mindset for Success, Understanding the "why" for healthy lifestyles within the fire service.

This session presented by: Jason J Brahm, Lieutenant, Bluffton Township Fire District

11:30 am - 12:30 pm, Friday, August 23, 2019 [Room 302C]

It Will Never Happen to Me

Workshop Description: From Rookie to Chief, every firefighter always says it will never be me. Benefits are merely another paper we must fill out to keep administration off my back. I am well trained, and line of duties only happen to those who do not know what they are doing. My loved ones all get along; if something does happen, they will take care of each other. I don't believe in the "risk a lot" only to "save a little."

These are all things every single firefighter has said at some point in their career. Reality is that Line of Duty can happen to anyone at any time, no matter the rank or training background. The truth is, that by no one's fault when traumatic death and significant benefits are involved, family dynamics change overnight. Brothers and sisters lives, and your department, will forever be changed in all possible aspects.

Join Allyson Sigmon, who is a fellow firefighter of 10 years, and also the significant other of a line of duty death, as she explains the reality and importance of benefits in our service. Allyson also focuses on the importance of thinking twice before you risk a lot to save a little.

This session presented by: Allyson Sigmon, Concord Fire Department

11:30 am - 2:30 pm, Friday, August 23, 2019 [Room 306A]

Rapid Intervention Operations: Is our Commitment Sufficient?

Workshop Description: Since the loss of Captain Jeff Bowen on July 28th, 2011, one focus area of the Asheville Fire Department has been on preparing our companies to mitigate mayday situations, including firefighter survival and rapid intervention team response. As a result of the focus, AFD has certified all online personnel in RIT to the operations level, and implemented three dedicated RIT Companies trained to the technician level.

Throughout the summer of 2014, AFD conducted hands-on, live fire analysis utilizing a complex RIT scenario to ensure the credibility of Asheville's RIT deployment model; determining the manpower, time, and breathing air requirements of such an incident. This testing analyzed AFD's ability to mitigate a complex RIT incident, ensuring we are providing the most survivable fire ground possible. As a result of the analysis, a comprehensive report was written containing all the findings. The analysis was conducted in a manner to ensure as much consistency as possible.

The findings of this analysis, and in turn this presentation, are both important and relevant to the fire service as a whole. Rapid intervention, saving our own, is one of the most impactful missions we could ever be assigned. Each step of the rapid intervention process (locate, extricate, air, package, remove) was analyzed from multiple angles such as time, manpower, air consumption, training level, and viability, creating data and implementable action items that have not been previously demonstrated to the fire service.

Take-aways include a training plan, staffing recommendations, deployment model, and hands-on tactical level "tricks of the trade" to make your RITs more efficient.

This session presented by: Trey Young & Wes Rogers, Asheville Fire Department



12:00 pm - 1:30 pm, Friday, August 23, 2019 [Room 306B]

Firefighter Cancer: What You Don't See is Killing Us

Workshop Description: This presentation will get to the core of firefighter cancer and how we as firefighters can take some basic steps to prevent exposures that can contribute to various cancers. The interactive discussion will examine how the firefighter is exposed to products that can cause various cancers, and methods, procedures, polices, equipment, and actions that firefighters, departments, and family members can take to reduce the risk of developing a form of cancer.

This session presented by: Richard Bowers, Retired Fire Chief Montgomery County Fire and Rescue and Fairfax County Fire and Rescue Department

12:00 pm - 3:00 pm, Friday, August 23, 2019 [Room 205]

Combatting Harassment in the Workplace

Workshop Description: The “me too” movement created a new awareness about workplace harassment. Some states have passed laws with expectations of employers and others have created reference guides. In North Carolina, the NC Offices of Human Resources created “A Reference for Supervisors”. Topics for the session include:

- Defining Harassment
- Preventing Harassment
- Identifying Harassment
- Responding to Harassment
- Reporting Harassment
- Retaliation

Mike McCall is an employment practice attorney who has worked with thousands of public entities to improve their human resource practices over the last 23 years.

This session presented by: Mike McCall of Glatfelter Public Practice

12:30 pm - 3:30 pm, Friday, August 23, 2019 [Room 302B]

Active Threat: Considerations for How Your Department Operates

Workshop Description: With the release of NFPA 3000 ps earlier this year, fire departments have begun the process of tailoring already established policies on active threat events, or are beginning to write departmental policies. This class will offer an overview of NFPA 3000 ps. It will present statistics of active threat incidents around the county, as well as case studies from previous fire service response, and recommendations based on those incidents. The goal of the class is for the attendee to be able to go back to his or her department with information to better tailor their operations on active threat incidents to what fits their department.

This session presented by: Ronnie Correia, Garner Fire-Rescue



12:30 pm - 1:30 pm, Friday, August 23, 2019 [Room 301B]

We Want to Keep Our Fire Departments the Same, But Should We?

Workshop Description: The challenges of volunteer and combination departments to meet service demands is a growing problem. Issues such as recruitment and retention, training and certification requirements, the need for an all-hazards response, non-emergency community expectations, and the increased frequency of natural and man-made disaster, have resulted in Chiefs and departments pausing to assess their level of service capabilities.

This workshop will: (1) challenge traditional ways of doing business, (2) offer creative, practical solutions to maintaining level of service, and (3) generate discussion around the ability to sustain the volunteer or combination model.

This session presented by: Chief Donna Black, Duck Fire Department

1:00 pm - 5:00 pm, Friday, August 23, 2019 [Room 305A]

All Things Engine: Simplifying Fire Attack

Workshop Description: Receive an introduction to the best methods and techniques to ensure that the first-arriving engine is successful in the four areas of the initial fire ground action of placing a fire suppression line in service. This class will address the production of an effective attack package to ensure success on the fire ground. Study the elements of the stretch, the placement, the advancement, and operation of an attack line that can be improved upon to increase fire ground efficiency. This class is intended for all levels of firefighters, and will present methods that can be used in all areas and staffing complements from around the country.

This session presented by: Jonah Smith, Charlotte Fire Department

1:00 pm - 3:00 pm, Friday, August 23, 2019 [Room 302C]

Battle Ready: NFPA Firefighter Physicals & Cancer Prevention

Workshop Description: This class will examine the NFPA standards for firefighter physicals and how they can be an effective tool in both wellness and cancer reduction. We will discuss the existing standards, as well as how, through some enhanced screenings, it is possible to have a significant impact in cancer reduction. We will also consider other recommendations from the North Carolina Firefighter Cancer Alliance, in how to implement an effective cancer reduction program in small, medium, and volunteer fire departments.

This session presented by: Travis McGaha & Josh Simpson, North Carolina Firefighter Cancer Alliance



1:30 pm - 3:00 pm, Friday, August 23, 2019 [Room 202]

Professional Credentialing: Roadmap to Your Future

Workshop Description: This session will discuss the benefits of going through the process for achieving professional designation such as Fire Officer (FO) and Chief Fire Officer (CFO) and provide a tutorial on requirements of the application. Learning objective include:

- Understanding the differences between credentialing and certification
- Understanding how to conduct an individual self-assessment using the credentialing model to identify strengths and weaknesses to develop a strategy for professional development
- Identifying benefits to the agency for having a professionally credentialed staff
- Understanding the professional credentialing process
- Understanding the benefits of the continuous quality improvement process

This session presented by: Debbie Sobotka, Center of Public Safety Excellence

1:30 pm - 3:30 pm, Friday, August 23, 2019 [Room 301A]

Improving Fire Investigator Health & Safety

Workshop Description: While fire scenes can be dangerous for anyone, there are some unique issues facing fire investigators. This presentation discusses the scene safety hazards and health issues pertinent to all fire investigators, whether they are public or private fire investigators, or they are the firefighter who helps extinguish the fire and then must conduct or help with an origin and cause determination.

This session presented by: Jeff Pauley, International Association of Arson Investigators

1:30 pm - 2:30 pm, Friday, August 23, 2019 [Room 302A]

First Responder Relationships

Workshop Description: First Responder Relationships is a personal story of loss and the effects of a career, as a first responder, on relationships.

1. Explore the effects of our careers on our personal relationships;
2. Explore the effects of grief on our personal relationships;
3. Discuss strategies to continue our careers and improve our personal relationships

This session presented by: Aaron Back, NCSHP

1:30 pm - 3:30 pm, Friday, August 23, 2019 [Room 305B]

Advancing Your Fire Department Through Strategic Planning

Workshop Description: Every firefighter has confidence that they make a positive difference to the people they serve and protect. What can be done to strengthen your fire department's impact? How can your fire department's services be best sustained? How can your fire department bolster support for resources that are needed? A foundation to best answer those three questions is to establish and keep a current strategic plan for your fire department. Determining where your organization is now, where you will be going over the next few years, and how you are going to get there, provides a critical "map" to move every progressive fire department forward.

This interactive discussion will outline core components of strategic planning that can apply to any fire department in North Carolina, from a small volunteer fire department to a complex urban fire department - the principles are the same, the scope simply changes. Successful models and examples will be highlighted and firefighters will leave with a higher level of awareness of measures that they can take to advance their fire department into the future.

This session presented by: Gregory Grayson & David Bullins of Envirosafe

1:30 pm - 3:00 pm, Friday, August 23, 2019 [Room 306C]

The Consequences of Not Having a Junior Member Program

Workshop Description: Seventy percent of firefighters are volunteer. While call volume and expectations have steadily increased, the number of firefighters has steadily decreased. The need for motivated and able firefighters, rescue technicians, and emergency medical personnel has never been greater.

The challenge of any fire department is to recruit and retain aptly trained men and women who are dedicated to pursuing excellence in the fire service while maintaining its' proud traditions. In response to this challenge, many departments have initiated junior member programs to encourage youth to get involved in the fire service at an early age.

The challenge of any junior firefighter program is to expose youth in the community to the fire service, offer interesting and relevant educational opportunities, and provide real-life experiences that motivate these young men and women to pursue a life-long career in public safety.

Objectives:

- Weighing the Pros & Cons of a Junior Member Program
- Starting a New Program & Identifying Resources and Funding Sources
- Recruiting Adults & Youth
- Training Adults & Youth
- When Junior Firefighters Become Adult Firefighters

This session presented by: John Franks, Warrenton Rural VFD and Paul Nowell, Gaston Fire & Rescue

2:00 pm - 3:30 pm, Friday, August 23, 2019 [Room 301B]

Drones in Emergency Services

Workshop Description: The class will help the local emergency responder that is a beginner/hobbyist bridge over to a Commercial Part 107 FAA recognized pilot. We will discuss the importance of meeting and exceeding FAA and NC Department of Transportation requirements and case studies using drones in search and rescue. Resources such as policy and procedures and check sheets will be made available to responders just starting this process.

This session presented by: Wayne Bailey, OSFM

2:00 pm - 4:00 pm, Friday, August 23, 2019 [Room 306B]

Training Objectives: Setting the Pace for Compliance & Credit

Workshop Description: This classroom session will present attendees with options for creating objectives that can be used towards ISO training categories. Attendees will discuss the seven ISO training categories and how the use of annual, monthly, and weekly training objectives can help to produce compliance with skills, proficiency, and credit for ISO. Attendees will be provided information for best practices of objective development, "do's and don'ts", and will develop their own training objective for a given skill or task prior to leaving class.

This session presented by: Brandyn Smith, Town of Leland Fire Rescue

3:00 pm - 4:00 pm, Friday, August 23, 2019 [Room 302A]

Department of State Treasurer: Orbit Portal Demo for the Fire & Rescue Pension Fund

Workshop Description: This portal is in the final stages of testing and this tool will be available to fire departments late this fall and well ahead of the 2020 TAD deadline of March 31, 2020. The Department of the State Treasurer would like to demo the tool and provide a Q & A session for fire departments.

This session presented by: Department of the State Treasurer

8:00 am - 11:00 am, Saturday, August 24, 2019 [Room 302B]

Fire Service Careers & Volunteers: Information, Preparation & Motivation

Workshop Description: The Raleigh Fire Department Training Staff would like to present an overview of the common expectations to serve as a firefighter; from the volunteer, to those seeking a career in the fire service. We will share

- What goes into our hiring process, and some others from across the state (career, combination, & volunteer departments)
- The similarities & differences of serving as a volunteer and/or a career firefighter. Many of our career firefighters started as volunteers.
- What can you do to be a better volunteer or career Fire Fighter
- And how to prepare yourself for a career in the fire service.

We will follow the presentation with a Question & Answer session for all attendees as an open forum for sharing information with our firefighters & departments from across the state.

This session presented by: Raleigh Fire Department Training Staff

8:30 am - 10:00 am, Saturday, August 24, 2019 [Room 306B]

North Carolina Peer Support

Workshop Description: In recent years, suicide has become recognized as a problem in the fire service, and numerous organizations have worked to uncover the causes and solutions. We have learned that over 90 percent of suicide decedents had some sort of diagnosable and treatable mental health disorder. Firefighters are not immune to these disorders which include post-traumatic stress (PTS), depression, anxiety, and substance abuse. Mental health disorders can be diagnosed and treated, and a suicidal crisis is often temporary. Intervention and prevention have the potential to reduce firefighters' suicide rates.

This workshop is designed to introduce department leaders with the components of an effective peer support team. A peer support program helps members to gain hands-on experience so they can better serve as a bridge between department members and mental health resources available. At the end of this workshop, attendees will understand the need for peer support, the components of an effective team, and the resources available to build their team.

This session presented by: Jay Walsh, Traci Van Deventer, Michael Lanning & Greg Ceisner, NC Peer Support

9:00 am - 10:30 am, Saturday, August 24, 2019 [Room 302A]
(Repeated from Friday)

Professional Credentialing: Roadmap to Your Future

Workshop Description: This session will discuss the benefits of going through the process for achieving professional designation such as Fire Officer (FO) and Chief Fire Officer (CFO) and provide a tutorial on requirements of the application. Learning objective include:

- Understanding the differences between credentialing and certification
- Understanding how to conduct an individual self-assessment using the credentialing model to identify strengths and weaknesses to develop a strategy for professional development
- Identifying benefits to the agency for having a professionally credentialed staff
- Understanding the professional credentialing process
- Understanding the benefits of the continuous quality improvement process

This session presented by: Debbie Sobotka, Center of Public Safety Excellence

9:00 am - 11:00 am, Saturday, August 24, 2019 [Room 306A]

Maintaining Marriage & Family in the Fire Service

NOTE: This class is open to all fire service personnel, including spouses, at no charge.

Workshop Description: Everyone knows the dangers, stress, and risks involved in being a firefighter. What a lot do not know is the dangers on firefighter relationships. Almost 70% of public safety marriages end in divorce, one of the highest rates by profession in the country. The fire service marriage and family is a different dynamic than any other. In many cases firefighters are operating two families, one at the firehouse, and one at home.

Balancing these two can be a struggle for anyone, but it can be especially hard on the fire spouse and kids. This class is designed to give suggestions, not only to the firefighter, but the spouse as well. This course will help you both understand the view from the "other side". Learning the balance between the fire/family life can be the difference between keeping a family together and losing the ones you love. It's time we take care of our own families like we do the ones we don't even know.

This session presented by: Mark & Sherry Sullivan, Douglas County Fire Dept., GA

9:00 am - 11:00 am, Saturday, August 24, 2019 [Room 205]

CFI: Preparing Your Case for Trial

Workshop Description: Investigating the scene of a fire and collecting evidence is only a part of the process in determining the truth of an incendiary fire. The most important component of this process is the courtroom, a battlefield upon which your investigation and your opinion will have to withstand the scrutiny of the judicial process. If you don't know the courtroom rules or the questions that will be asked of you, or the type of information prosecutors may need from you, then you will be entering this "fire room" without the proper PPE.

This course is designed to provide the CFI or FI with the fundamental knowledge and understanding of the judicial process. We will start with the Curriculum Vitae "CV"; then move through the origin & cause analysis as a prosecutor would; thereafter, learning and understanding how to best prepare for a Daubert Motion & hearing; and we'll finish the training with how to use your direct and cross examination testimony to articulate the facts of your case to a jury.

This session presented by: Michael Muskus, Conference of District Attorneys- Homicide & Arson Prosecutor

9:00 am - 11:00 am, Saturday, August 24, 2019 [Room 305A]

Professional Development: Developing the Next Generation of Fire Service Leaders

Workshop Description: Professional Development is the planned, progressive, and lifelong process of education, training, self-development and experience that one gains during their development. In the fire service, professional development is a critical element of being a leader and being a professional. When we step up to accept the responsibility of leadership, we also accept obligation to continuing our training, education, learning, personal experience and growth, and work to improve our effectiveness. Professional development is an excellent tool for meeting that obligation. As fire service organizations, we must strive to provide continuing guidance to our most valuable resource, our personnel, through carefully crafted professional development plan that meets the specifics of the organization. This program will help students with developing a model for their organization.

This session presented by: Douglas Cline, Horry County Fire Rescue

9:00 am - 11:00 am, Saturday, August 24, 2019 [Room 306C]

The Volunteer Fire Department: Winning on the Fireground

Workshop Description: This presentation is designed to help chief officers, line officers, and firefighters of volunteer fire departments to prepare, train, and prioritize fireground tasks. Many times there are not enough firefighters at the beginning of the incident to accomplish all the necessary tasks on the fireground. Effectiveness is lost and firefighter safety is compromised because on scene personnel fail to follow guidelines, lack the necessary training, and try to perform too many task rather than prioritize and complete them.

The practices and concepts taught are based on successful and unsuccessful experiences on the fireground and nationally recognized fireground principles and practices. This presentation will aid the student in developing operational guidelines, training, and how to prioritize and accomplish fireground tasks by dissecting and examining the critical elements. Fireground pictures and videos will be used to reinforce concepts taught. The practices and concepts taught are effective, safe, inexpensive, and can be applied immediately.

This session presented by: Richard Ray, City of Durham Fire Rescue



9:30 am - 11:00 am, Saturday, August 24, 2019 [Room 201]

NC Fire Service Honor Guards / Pipe Bands

Workshop Description: All NC Fire Service Honor Guards and Pipe Bands are invited to have Team Leaders/Members meet and discuss ideas, issues, protocols, training and participation in events across the State in which Honor Guards and Pipe Bands are involved in to include the Annual Memorial Service in May at the State Fallen Firefighters Memorial. Updating of Resource Lists and information sharing.

This session presented by: Rick Wood, Skyland Fire / Rescue



10:30 am - 11:30 am, Saturday, August 24, 2019 [Room 306B]

The Science of Effective Scene Lighting

Workshop Description: The need for artificial lighting at night is one of the oldest fundamental necessities of the Fire and Emergency Services industries. Until recently, lighting technology was fairly limited, and the application of that technology was not very easy. In the last 10 years, with the advent of the high output LED, scene lighting has become one of the most innovative areas of our industry. As technology continues to change, a fundamental understanding of how to APPLY the technology is essential for the modern firefighter or specification committee.

This session presented by: Sam Massa, President, HiViz

11:00 am - 12:00 pm, Saturday, August 24, 2019 [Room 302A]

Department of State Treasurer: Orbit Portal Demo for the Fire & Rescue Pension Fund

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This session presented by: Department of the State Treasurer

