



BC FIRE TRAINING OFFICERS
ASSOCIATION

CONFERENCE 2019

MAY 25-30 | NELSON, BC

PRESTIGE LAKESIDE RESORT

COURSE DESCRIPTIONS

AND

FACILITATOR BIOS

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HOT WEEKEND COURSES – MAY 25TH AND 26TH

2501: TEAM LEADER (two days) – Facilitated by College of the Rockies

This course prepares the participant for the challenges faced by a firefighter acting as a supervisor during emergency incidents.

Team Leader is applied to identify the individual, whether a firefighter or officer, responsible for a specific crew function at an emergency incident.

The successful student will:

Assign tasks or responsibilities to unit members, given an assignment at an emergency incident, so that the instructions are complete, clear, and concise; safety considerations are addressed; and the desired outcomes are conveyed.

- * Assign tasks or responsibilities to unit members, given an assignment under nonemergency conditions at a station or other work location, so that the instructions are complete, clear, and concise; safety considerations are addressed; and the desired outcomes are conveyed.
- * Direct unit members during a training evolution, given a company training evolution and training policies and procedures, so that the evolution is performed in accordance with safety plans, efficiently, and as directed.
- * Identify construction, alarm, detection, and suppression features that contribute to or prevent the spread of fire, heat, and smoke throughout the building or from one building to another, given an occupancy, and the policies and forms of your AHJ so that a pre-incident plan is developed
- * Secure an incident scene, given rope or barrier tape, so that unauthorized persons can recognize the perimeters of the scene and are kept from restricted areas, and all evidence or potential evidence is protected from damage or destruction
- * Supervise emergency operations, conducting pre-incident planning, and deploying assigned resources in accordance with the local emergency plan
- * Develop an initial action plan, given size-up information for an incident and assigned emergency response resources, so that resources are deployed to control the emergency
- * Implement an action plan at an emergency operation, given assigned resources, type of incident, and a preliminary plan, so that resources are deployed to mitigate the situation.

Instructor Bio:

Rick Prasad: Rick is currently serving as the Fire Chief for the City of Kimberley. Over his 15-year fire career he has served as chief prevention officer, chief training officer, lieutenant and firefighter. Rick is active in the fire training community developing and delivering hazmat, technical rescuer and leadership training globally.

2502/2601: SPP-WFF 1 (Wildland Firefighter Level 1), as per NFPA 1051 Level 1 standard (1-day) – Facilitated by the Office of the Fire Commissioner (OFC)

The SPP-WFF 1 (Wildland Firefighter Level 1) course will replace the S-100 Basic Fire Suppression and Safety and S-185 Fire Entrapment Avoidance courses for structure firefighters (only) and exceeds the NFPA 1051 Level 1 standard.

2503: CPR/TRANSCAER – Facilitated by CPR

Dustin Ritter

Dustin Ritter is a Hazardous Material and Emergency Response Officer covering Western Canada for Canadian Pacific (CP). As a hazmat/fire instructor, Dustin teaches at JIBC in British Columbia, SERTC in Colorado, and TEEEX in Texas. Prior to this, Dustin worked in the private sector as an emergency response contractor for more than 10 years and is trained in industrial and municipal firefighting, having specialized in high hazard response for rail and road. During this time, he fulfilled the Emergency Response Team (ERT) Lead role at the 2011 Slake Lake fire and the 2013 Calgary floods. In addition to being the ERT Lead at the 2013 High River floods, he was also the Recovery Efforts Operations Chief.

Max Thevenot

Currently the Chief Operations Officer for Iron Horse Response a hazardous materials emergency response company. I have been in this position since the company was started in August 2014. At Iron Horse we respond to railway, highway tanker and fixed facility emergencies. We also house, maintain and deploy the response assets for CP Rail for Western Canada. Previous to this job I was a full time Senior Firefighter with the Foothills Fire Department. Throughout my 9 years in the fire service I have worked in various roles from volunteer, part time to a career firefighter where I am still active as a part time firefighter.

2505: STRATEGIES AND TACTICS (2-DAY) – Facilitated by JIBC

Using video, computer simulation, and model towns, students will manage the attack and coordinate the suppression on several structure fires in buildings of various occupancies. This course is directed towards line fire fighters and officers. It addresses fire behaviour, scene management, ventilation techniques and methods of structural fire attack.

2506/2603 SPP-115 (Structure Protection training workshop) – Facilitated by the OFC

The SPP-115 (Structure Protection workshop) material is a revised version of the former S-115 Structure Protection workshop. The material has been reduced by removing the ladder and hazardous materials sections which was redundant for structure firefighters, thus making this training workshop suitable only for structure firefighters.

The workshop focuses on the use of wildfire pumps and hose (as well as the use of fire service hose and hydrants) in the application of sprinklers on structures, to prevent ignition of the structure when subjected to wildfire encroachment, by creating a humidity bubble over the structure and dampening the combustible fuels.

2507: LIVE FIRE (two-day) – JIBC – Facilitated by TBD

This course provides you with the opportunity to learn and practice hands-on firefighting skills. Learn how to perform direct, indirect and combination attacks, and perform various methods for operating a large hand-line. Gain experience locating and suppressing concealed fires, extinguishing vehicle fires, and extinguishing outdoor trash fires in both a dumpster and open field. Gain additional experience shutting off building utilities and controlling electric utility systems .

CONFERENCE COURSES & PRESENTATIONS – MAY 28TH – 30TH

2801 FF Survival/RIT (2 Days) – Presented by Dynamic Rescue

Students will:

Recognize situations under which rapid intervention is required for rescue and use required techniques for calling for assistance

Understand the theory/practice of “L.U.N.A.R.”

Perform various self-rescue techniques

Perform individual air management

Understand proactive versus reactive RIT Teams

Demonstrate orientation and honing searches

Demonstrate several extrication techniques

- Introductions
- NFPA & WSBC Review
- Schedule Review
- Historical Review
- MAYDAY procedures
- Size Up
- LUNAR
- SCBA Familiarization & Problem Solving
- Personal Air supply management
- Buddy Breathing
- 3 Point Harness Conversion
- Face Piece Change
- RIT Positions
- RIT Equipment & Readiness
- Search techniques
- Access and extrication
- Rope techniques
- Protecting downed firefighter(s) in place
- Moving downed firefighter(s) to safety
- Firefighter self-rescue techniques
- Team responsibilities
- Building Size Up
- Webbing Drag
- Seat Harness
- Virtual Step
- Wire Entanglement
- Wall Breach
- Emergency Window Exit
- Ladder Bail out
- Stairwell Transitions
- Reading Couplings-Hose Chase Scenario Challenge

2901/22911: INTRODUCTION TO FORCIBLE ENTRY (1/2 day) – Facilitated by Prepare 4

This course Standardizes Forcible entry techniques, commands and procedures. Giving students a foundation in irons work to be applied on the fire ground.

Prepare4 will provide the props, safety glasses and hearing protection. All personal protective equipment worn by students must be brought by the student. (Steel toe boots, Helmet, full sleeve work pants and jacket or turnout gear.)

2803/2813: FIRST FIVE MINUTES WINDOWS OF OPPORTUNITY– (1/2 day) - Presented by Firestar

The first five minutes of any residential structure fire are critical in terms of setting the stage for a successful outcome. Modern day fires are increasingly becoming a time sensitive race against the fire department's ability to respond with effectiveness and efficiency. No matter the size of the department or the number of responding personnel, the first five minutes of the first arriving apparatus are going to be crucial for the officer in deciding on what to do and how to do it. In this interactive workshop, we will discuss the importance of a proper size-up, and how the information shared upon arrival and during the first 5 minutes of an incident can impact the remainder of the call. We will focus on the stages of the first five minutes in terms of the Officer's duties, strategies of effective communication, tactical decisions and options, gathering information, being combat ready, utilizing case studies and scenarios to practice tactics for clear, concise communication that will enhance the flow of information on the fire ground.

2805/2815: TRAINING OFFICER (½ day) – BCFTOA – Facilitated by BCFTOA Executive

This session is being facilitated by the BCFTOA Executive. It is designed to assist new Training Officer's begin their new role.

2807/2817: PLAYBOOK ORIENTATION (1/2 day) – JIBC – Facilitated by TBD

These workshops will provide Fire Department Staff with an overview and working knowledge of the program and administration content of the Exterior, Interior & Full-Service Fire Fighter Programs.

2808/2818: GAS 101 (½ day) – Fortis BC

This program meets the requirements outlined in the British Columbia Fire Service Minimum Training Standards – Structure Firefighters Competency and Training Playbook. Responding to Natural Gas Emergencies was created in partnership with the Canadian Gas Association and Canadian Association of Fire Chiefs, to provide safety information for first responders. It includes a discussion of the properties and behaviour of natural gas and how it's distributed, as well as interactive sessions using video scenarios of emergency response situations and procedures.

The program includes videos and discussion guides that support facilitators teaching first responders about the basic properties of natural gas, and how to approach emergency situations safely.

Instructor: Ian Turnbull - Ian is currently the Damage Prevention and Emergency Services Manager, for FortisBC Inc. with responsibility for the company's programs to reduce third party damage and maintain system integrity, and ensuring that emergency responders are aware of the best practices for responding to natural gas incidents. In his time with FortisBC and predecessor companies, Ian has spent time as the Emergency Planning Manager and Training Manager. Ian was awarded a Career Achievement in Promoting Industry Safety by the Canadian Gas Association.

2907/2917: INTRODUCTION TO THERMAL IMAGING (½ day) – Facilitated by PREPARE 4

This course will go over the characteristics of a thermal imaging camera and how each characteristic affects the thermal imaging camera use.

2902: TRAINING WITH PROGRESSIVENESS (1/2 day) – Presented by Firestar

This presentation will examine the facts surrounding the two training deaths that took place in Ontario, Canada back in 2010 and 2015 with one firefighter and one college student. The Provincial Inquest conducted in 2017 provided information that all fire departments, instructors, training officers and firefighters can learn from. In terms of what not to do for high risk training. This presentation will focus upon how we as a fire service can progressively train our membership to be adequately prepared and trained for the high-risk situations that we respond to and find ourselves involved in.

This presentation will be conducted by a PPT presentation using facts from the Inquest. Class discussion will be invited to stimulate critical thinking skills regarding the subject. Still pictures along with video example will be utilized. We will examine the facts surrounding the two training deaths as a way to show the importance of a proper methodology for training of fire service personnel.

2904/2914: MAYDAY – MAKING YOUR WORST DAY YOUR BEST DAY – (1/2 day)

In this presentation, Kyle will discuss what happened when a Coquitlam Fire/Rescue crew called a Mayday inside a commercial restaurant due to rapidly deteriorating conditions. Part 1 will discuss the incident itself while Part 2 will focus on fire dynamics and fireground strategies/tactics as related to the incident, but with application to most fireground scenarios. The presentation concludes with a discussion on ways your department can make their worst day their best day.

2905/3002: MANAGING THE FIRE GROUND – (1/2 day) – Facilitated by Wayne Humphries

This Fireside Chat is a highly interactive discussion revolving around the all-important Command Decisions that must be made in the first few minutes on scene of a structure fire. Included are the critical issues of size-up, risk analysis, fire behaviour, smoke conditions, building construction, and strategic & tactical decision making. With an understanding of these critical issues we'll look at the considerations in developing an effective incident action plan that will address firefighter safety as well as achieving effective incident stabilization. These discussions will challenge your assumptions about the role of the IC – what it is, the responsibilities, and how to carry out the function. These interactive discussions will also engage in the misunderstandings around the standards and requirements for a RIT and the associated training required to fulfill that role. Having attended the recent UL PPV study in Chicago, the discussions will also attempt to clear up some of the mystique around the strategic goal of “ventilation”, allowing the participants to gain a better and more thorough understanding of the tactical objective of positive pressure ventilation – PPV, along with an appreciation and understanding of some helpful teaching processes.

Wayne Humphry is a 39-year veteran of the fire service, Wayne retired from the Vancouver Fire & Rescue Services after a 31-year career serving in fire suppression as Lieutenant, Captain and Battalion Chief. He also worked extensively with Vancouver Fire's training division as an Instructor, Training Officer and Division Chief. Based on his work in both roles he has extensive experience in fire rescue emergency operations, specialty teams, training and development, facilitation, and project creation and management. He is passionate about building superior expertise amongst the fire service and fire officers in particular; a hands-on fire and rescue practitioner; an experienced trainer and facilitator; he pursues his goals with energy and determination. Since the introduction of positive pressure ventilation fans to the Vancouver Fire and Rescue Services (approx. 1990), Wayne has been passionately involved with developing an understanding of this new approach to the strategic goal of Ventilation along with the implementation of the tactical techniques of Positive Pressure Ventilation (PPV); and continues to share these years of expertise with many other fire departments. Wayne has developed in-house Officer Development seminars including ProBoard accredited programs for various career fire departments throughout the province. He is also very active in working with volunteer/POC departments and regional districts, enhancing the skills of officers and firefighters in rural areas with customized, locally delivered training and education. His subject expertise includes Fire Officer Level 1, 2 and 3 programs – Emergency Incident Management (BCERMS/ICS, Command Post operations, fire behaviour, strategies and tactics, communications and personnel accountability); Fire Service Instructor; Incident Safety Officer; Rapid Intervention Teams; and Live Fire Exercises Levels 1, 2 & 3. In addition to many career and paid-on-call departments throughout BC, he has also recently delivered emergency incident management and strategies & tactics training to the Calgary Fire Department in Alberta, and Winnipeg Fire Department in Manitoba. Wayne is a member of the Retired Fire Chiefs Association of BC.

2906: INTEROPERABILITY IN INCIDENT COMMAND AND RESCUE TASKFORCE : Presented by Sgt Katherine Severson, Calgary Police

In an ever-changing threat environment that includes vehicle attacks, active shooters and mass casualty incidents, there is more need than ever for emergency response agencies to be able to integrate at all

levels of command. Recent Safety Standards like the NFPA 3000 *Standard for an Active Shooter/Hostile Event Response Program* and the International Public Safety Association's *Guide to Active Shooter Response* lay out how fire, police and emergency medical services should be training jointly with shared tactics. In Calgary, the four emergency response agencies have designed an all-hazards Interoperability in Incident Command Training Program, as well as tactic specific training for active shooter response known as Rescue Taskforce. These programs bring together fire, police and EMS commanders to rehearse the principles of Interoperability: co-location of command, shared situational awareness, joint risk assessment and coordination of resources. This presentation would be delivered in a workshop format designed to provide lessons learned from Calgary's experience, and provide opportunity for the group to discuss challenges in their own jurisdiction. This session will cover the following topics:

- Review of Incident Management principles and how they apply to Interoperability in Command
- How to apply the principles and features of Interoperability including strategies for Incident Commanders in how best to integrate with other agency commanders.
- Active shooter/mass violence incidents:
 - The steps to take when designing or implementing a Rescue Taskforce program, including how to clear the barriers to joint training.
 - An overview of the tactical Rescue Taskforce training and key decision points for Incident Commanders.

Katherine Severson is a 22-year member of the Calgary Police Service, and has enjoyed a diverse career in patrol, undercover surveillance, training, and since 2010 has been the lead of the Emergency Management Unit within the Major Events Section. She is a member of the Incident Management Team in Canada Taskforce 2's Disaster Response Team. Katherine has served in Incident Management Team roles for events like the Calgary Stampede, Tour of Alberta, the 2011 Royal Visit and disasters like the 2013 Southern Alberta Floods and 2016 Fort McMurray Wildfires. She is the Police Tactical Operations Center Manager for major policing incidents ranging from police shootings to hostage takings. Katherine teaches Incident Management (ICS 100-400), Interoperability in Incident Command and Rescue Taskforce Response for the four emergency service agencies. As the police liaison to the Calgary Emergency Management Agency, she has been the police agency representative in the City of Calgary Emergency Operations Center for most major incidents since 2010. Katherine co-hosted the 2016 Calgary Symposium on Mass Casualty Incidents, and been a session speaker on topics of incident management and command for several conferences, most recently the 2018 Emergency Preparedness & Business Continuity Conference. She is trained in Disaster Risk Reduction and qualified as a Business Continuity professional. She has received the Chief's Lifesaving Award and the Canadian Police Exemplary Service Medal. As a proud mother to twin boys, Katherine is a passionate outdoorsperson who thrives on endurance running, cycling and swimming.

2915/3003: DEVELOPING SIMULATIONS FOR FIRE AND SAFETY (1/2 day) – Presented by Jonathan Kaye from SimUShare

In this workshop, Jonathan presents a hands-on approach to delivering the “whys” and “hows” of incorporating computer-based simulations into Fire & Safety training and evaluation. It mixes both discussion and practical how-to’s on developing computer-based simulations using the SimsUshare Sim Builder platform as an example.

Discussions primarily center on helping participants to identify areas in which simulations have been used to develop and strengthen performance, as well as identify potentially weak areas that can be improved in a positive manner, for example, communication, strategy, tactics, and developing/evaluating SOG’s/Policies. The how-to portion involves a guided, step-by-step approach for creating simulations using first-due photos (if participants bring their own) in walkarounds enhanced with animated smoke and fire effects that can evolve. The focus of the how-to’s will be on single and multi-family residential structures, but Jonathan will also demonstrate how simulations can be used for industrial, EMS/accidents, HazMat, and active threat scenarios.

Each participant that chooses so will receive a free, three-month subscription to SimsUshare which will allow participants to create a base set of simulations for their training programs that they can take back to their departments and organizations.

Jonathan Kaye, PhD, has been working in the Fire Service Industry providing tools and education models for all-hazards incident simulation training since 2004. He currently leads the development of the SimsUshare sim-builder and Command Training Center applications, and has taught thousands of fire and safety personnel across the country both online and in-person on how to incorporate simulations into training and evaluation.

2912 DOING MORE WITH LESS (1/2 Day) – Presented by Firestar

This presentation will focus its attention on how fire departments today are being asked to do more with less manpower. Whether the department is a career, volunteer, part time or composite type of department, the tasks being assigned and expected off by the general public is increasing on a daily rate. With a decrease in staffing levels on all fronts, due to a lack of interest, lack of time and dedication for the volunteer, part time and composite departments or a lack of funding for the career and part time departments, we are expected to fulfill this high quantity and quality of service delivery. We will look at how we can do more with less on the fire ground in this interactive presentation.

3001 BUILDING CONSTRUCTION (1/2 day – Presented by Dynamic Rescue

What’s hiding behind the Walls?’

With today’s modern building materials and the growing use of hybrid construction methods, the crucial task of recognizing and identifying the structures we are responding to is becoming much more difficult.

For my class, we will take a modern spin on identifying these structures. Through the use of photos and videos of buildings during the construction process, the attendees will have the opportunity to sharpen their existing skills of building identification, as well as learn some new techniques

3004: THE 21ST CENTURY FIREFIGHTER (1/2 day) – Presented by Firestar

This lecture is a bottom up perspective of what it means to be a firefighter in the 21st century. There are many lectures, workshops, seminars on what it takes to be a leader, but there is no focus on what it takes to be a firefighter. The role of a firefighter is an important one in the service to the community and the perspectives of that role vary from the outside looking in to the inside looking out. We will explore some different areas that need to be examined by each and every person who is currently a firefighter or who wants to be a firefighter to see if their reality meets the expectation.