



## Workshop Information

### “Risk Management at the Company Level”

This workshop utilizes the latest human factors findings to enhance decision making, error recognition/management, and communications. The proven Risk Management process adopted from the wildland firefighting discipline is broken down into an easily understood format to create fast and workable tools to assist the structural fire fighter with managing risk.

Communication among company members is enhanced throughout the workshop by engaging them in a number of case studies, briefing format exercise, and culminates with risk management exercises. Leadership and followership skills are stressed through out which makes this workshop an excellent venue for firefighter, company officer, and chief officer development.

The workshop outline includes:

- History and Culture
- Decision Making and Error Management
- Risk Management Process
- Structural Watch Out Situations and LCES
- The 60 Second Briefing Process

#### **Full-Day Workshop:**

**The workshop consists of 2 modules:** These can be presented concurrently, or in two 4-hour sessions (see in-service company option below).

**Module 1:** History, culture, decision making, and error recognition/management.

**Module 2:** Risk Management process (situational awareness, hazard recognition and mitigation, decision and evaluation), communications (tactical / crew briefing), and command climate.

#### **In-Service Company Option:**

Full-Day Workshop broken into two modules. This option allows a large number of on-duty-companies the benefit of attending the full day workshop, while keeping the class size to the recommended number.

#### **Instructional Aids:**

- Open Communication Forum Between Facilitator and Participants
- Detailed PowerPoint Presentation containing numerous video clips
- Decision Making / Error Management Exercises – Groups
- Watch Out Exercise - Groups
- Briefing Exercise – Groups
- Risk Management Exercises – Groups

#### **Conference Session:**

A one and a half hour (1.5 hr) overview session is available. This touches on the overall concept of the workshop.

# **“Structural Firefighter Safety in the Urban Interface”**

This workshop is designed to enhance safety by exposing all fire fighters to basic fire predictions and decision making processes. Both road and topographical maps are utilized to show predicted fire movement using the Campbell Prediction System integrated into basic wildfire behavior (S-190). Extreme fire behavior in its most basic form is represented by the alignment of slope, aspect, and wind direction. The prediction helps to highlight where is safe to operate and where is not. Trigger points, disengagement procedures, escape route viability, and safety zone size determination are then identified to the whole crew which helps to more easily withdrawal from a hazardous situation.

The predictions are coupled together with human factors information (decision making, error recognition, and communication skills) with the proven wildland Risk Management process used as the back drop for decision making. Strong leadership and equally important followership skills are stressed throughout.

This workshop is unlike any other wildland interface firefighting course!

The workshop outline includes:

- History and a shortened version of the Campbell Fire Prediction System
- Decision Making
- Risk Management Process
- Interface Watch Out Situations, LCES, Safety Zone Size Determination
- The Briefing Process

## **Full-Day Workshop:**

**The workshop consists of 2 modules:** These can be presented concurrently, or in two 4-hour sessions (see in-service company option below).

**Module 1:** History, Campbell Prediction System, decision making, and case study review.

**Module 2:** Risk Management process (situational awareness, hazard recognition and mitigation, decision and evaluation), communications (tactical / crew briefing), and command climate.

## **In-Service Company Option:**

Full-Day Workshop broken into two modules. This option allows a large number of on-duty-companies the benefit of attending the full day workshop, while keeping the class size to the recommended number.

## **Instructional Aids:**

- Open Communication Forum Between Facilitator and Participants
- Detailed PowerPoint Presentation containing numerous video clips
- Decision Making / Campbell Prediction System Exercises – Groups
- Watch Out Exercise - Groups
- Briefing Exercise – Groups
- Risk Management Exercise - Groups

## **Conference Session:**

A one and a half hour (1.5 hr) overview session is available. This touches on the overall concept of the workshop.

***The workshops address many of the 16 Firefighter Life Safety Initiatives set forth by the National Fallen Firefighters Foundation.***

## **Workshop Logistics:**

The following checklist items are the responsibility of the hosting agency to provide.

- Chevron table configuration, if possible. (Participants will be placed into groups of 3 to 5)
- AV projector, screen, and sound system. (Instructor will provide the laptop)
  - If your set-up is computer and projector in one, I can bring a memory stick or CD.
- Area to hang three (2' x 3') posters. Easels or wall space.
- Participant handouts. (document provided by IFS in advance)
- Sign-in sheet.
- Name tags for table display. Can be just heavier paper stock.
- Scratch paper. 2 or 3 pieces per participant.
- Extra writing pens. There is always someone without...
- Refreshments.
- Lunch: Full-Day workshops please have a plan for lunch. Will everyone be fed on-site or are the participants on their own? Lunch break should be limited to 1 1/2 hours.

## **Details:**

- ✓ It is highly recommended to reserve a date early; all requests are first-come, first-serve. Limited workshops offered June through September.
- ✓ The recommended class-size is limited to 30 participants.
- ✓ Course certificates are provided by IFS.
- ✓ The host may charge participants any amount, which can be done to recover costs.
- ✓ Instructional fees are negotiated individually based on needs, schedule, and incurred expenses. The per teaching day cost as of June 1, 2008 is approximately \$1500 depending on the venue (single or multiple days). Travel costs are in addition (air, hotel, ground transportation, and per diem).
- ✓ Payment is due upon completion of the course unless previous arrangements are made.

## ***Contact Info:***

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## ***Instructor Info:***

Quinn MacLeod is the president and lead instructor of Integrated Fire Solutions. He began his fire service career in 1985. His professional fire service career includes 20 years on the line with Parker Fire Protection District in Parker, Colorado. He retired at the rank of Engineer / Acting Company Officer. In addition, he managed the Wildfire Program which led to the development of a system for fire fighters and chief officers to gain large wildfire and incident management team experience from incidents across the country.

Mr. MacLeod has worked his way up through the NWCG wildfire qualification ranks and is currently qualified at the Division / Group Supervisor level. He has worked in wildfire suppression in 13 states with numerous Type 1 and Type 2 incident management teams across the nation. He holds an Associate's Degree in Fire Science, Fire Officer, Fire Instructor, and numerous other state and national certifications in wildland and structural fire operations.

Post fire service has Quinn contract instructing fire leadership courses as a part of a three person cadre on a national and international level. During wildfire season you will find him working as a Division Supervisor on fires across the country. The Division Supervisor role enables him to continue to hone his leadership skills and observe first-hand, human factors on the fireground.

Quinn served as the Pueblo Zone Interagency Training Representative for four years, which included a position on the Rocky Mountain Region's training working group. During his tenure he was an active member striving to improve interagency training both within the zone and nationally.

Quinn has authored published articles for structural and wildfire publications. He has presented the conference session version of Risk Management, "Making a Difference at the Company Level" at the Firehouse World Expo in San Diego. In addition the full workshop has been presented within Colorado and Arizona.

In his personal life Quinn is an avid mountaineer and cyclist, and he enjoys spending time with his wife and dogs in Boulder, Colorado.