



THE 5 READS Outline

Section 1 – Intro

Review of the most common root causes of failure during emergency response operations that can result in near misses, injury, or line of duty deaths:

- Human Error
- Flawed Situational Awareness
- Poor Decision Making

Review of corrective actions that can be used to address those root causes:

- Insuring appropriate KSAA (knowledge, skill, ability, attitude) exist
- Using effective systems for size-up and incident management
- Utilizing analytical and intuitive based decision making systems

Section 2 – “Reading Risk”

Review of key risk management principles

- Identify Risks
- Evaluate Risks
- Develop a Risk Management Plan
- Prioritize Risks
- Communicate the Risk Management Plan
- Control Risks
- Monitor Outcomes
- Adjust the Risk Management Plan

Review of the risk versus benefit analysis process

- Classify risk based on severity and probability
- Classify benefits based on probability and value

Section 3 – “Reading Buildings”

Review of the systematic process used to read buildings and predict collapse:

1 - Identify and evaluate key building features

- *Type, Era, Use, Size*

2 - Identify key fire behavior aspects

- Hostile Fire Events, Vent Limited Fire Behavior, Flow Paths

3 - Evaluate the impacts of fire and heat on key structural elements

- Material Failures, Connection Failures, Load Shifts

4 - Evaluate the timelines

- Fire Timeline, Key Components Timeline, Incident Timeline

5 - Predict outcomes and implement appropriate risk management strategy:

- Operational Mode: Offensive, Defensive, Transitional
- Appropriate Zones: Hot, Collapse

- *Warranted Changes*
 - Alter, Suspend, or Terminate Actions
 - Precautionary Withdrawal or Emergency Evacuation

Section 4 – “Reading Smoke”

Review of the systematic process used to read smoke and predict fire behavior:

1 - Identify and evaluate key smoke attributes

- Volume, Velocity, Density, Color

2 - Identify key factors that can influence smoke behavior

- Building layout, Weather, Firefighting Actions

3 - Judge the fire behavior, predicting outcomes, and implementing appropriate risk management strategy

- Hostile Fire Events: Smoke Exp., Backdraft, Exp. Growth, Flashover
- Stable/Predictable, Rapidly Changing/Predictable, Unstable/Unpredictable
- Warranted Changes
 - Alter, Suspend, or Terminate Actions
 - Precautionary Withdrawal or Emergency Evacuation

Section 5 – “Reading Hazardous Energy”

Review of the systematic process used to read and manage hazardous energy:

1 - Identify and evaluate hazardous energy sources

- Kinetic; Thermal, Mechanical, Wind
- Potential; Chemical, Gravity, Nuclear
- Kinetic & Potential; Electrical, Water
- Use of; senses, monitoring, experts, and other resources

2 - Predict outcomes and Implement appropriate risk management strategy:

- Eliminate
- Reduce
- Transfer
- Avoid
- Utilize PPE
- Zoning & Marking

Section 6 – “Reading Firefighters”

Review of the systematic process used to read firefighters:

1 - Identify and evaluate key behaviors related to competency

- Knowledge, Skill, Ability

2 - Identify and evaluate key behaviors related to mental state

- Physiological and Psychological

3 - Identify and evaluate key behaviors related to physical state

- Environmental Conditions, Work & Rest Cycles, Formal Rehab

4 - Predict outcomes and implement appropriate risk management strategy

- Alter, Suspend, or Terminate Actions

Section 7 – “Sets & Reps”

Students will practice all 5 Reads through photos, videos and simulation

For Additional Information Contact FDSOA - Office: 248-880-1864 / Membership@fdsoa.org