



Course Objectives

- Describe the functions of a Rapid Intervention Team (RIT) / Firefighter Assist and Search Team (FAST), their functions within the incident command system and responsibility for size-up while standing fast, and the need to continually monitor fireground operations and progress of the incident (NFPA 1407)
- Explain the instances when emergency communication is warranted, MAYDAY and URGENT transmissions, and demonstrate the ability to use such communications (NFPA 1407 7.5).

Course Objectives (Cont'd)

- Demonstrate the ability to perform an oriented search using tools and experience to efficiently and effectively locate a downed firefighter (NFPA 1407 7.6)
- Describe and implement various methods to access and extricate a downed firefighter as well as identification and control of hazards encountered during a search which may require self-extrication (NFPA 1407 7.7).

5

4

Course Objectives (Cont'd)

- Demonstrate self-rescue procedures including SCBA emergency profiles and individual air management (NFPA 1407 7.13)
- Describe methods for air management and emergency procedures used during SCBA failure (NFPA 1407 7.8)
- Explain and demonstrate the procedure for air management of a downed firefighter (NFPA 1407 7.8).

Course Objectives (Cont'd)

- Demonstrate the ability to properly package a downed firefighter using acceptable methods as well as ropes, slings, and harnesses (NFPA 1407 7.10)
- Describe instances when it is necessary to protect a downed firefighter in place or move a downed firefighter to a safe location and/or out of the structure (NFPA 1407 7.11).

Course Objectives (Cont'd)

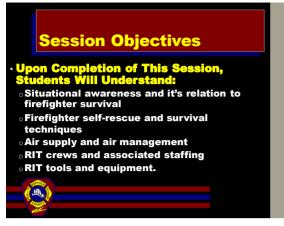
- Demonstrate the movement of a downed firefighter using basic lifts, drags, and carries as follows (NFPA 1407 7.12):
 - Horizontally with or without a mechanical advantage
 - $_{\circ}$ Vertically up or down a flight of stairs
 - $_{\rm o}$ Through a window (lower and upper level)
 - $_{\circ}$ Up and out of a hole
 - $_{\rm o}$ From above and below grade.

8

(12.)

7







11

Firefighter Survival • Training and Preparation Will Help To Keep You Part of The "Solution" • If you don't train for yourself, train for those who will have to come and get you • Size-up Begins Upon Notification of The Alarm • Remember, Someone Sacrificed Their Life In Order For You To Have The Equipment You Wear. Wear It Properly.

12

A

Firefighter Survival Understand Fire Dynamics (Heat, Smoke, Flame) and What They Are Conveying

- Building Construction Will Tell You Where The Fire Is and Where It Is Going
- If You Find Yourself In A Bad Position; Stop, Think, Communicate, and Be An Active Participant In Your Survival
- If You Put The Fire Out, You Won't Have To Jum Out The Windows.

13



14







17

Self-Rescue Steps

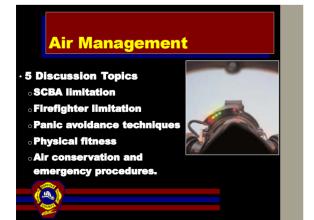
- · Get Down And Stay Low
- · Conserve Air
- · Notify Partner And Command Of MAYDAY
- Activate PASS
- · Remain Calm, Stay Low, Take A Breath And Begin To Correct The Problem.

18

A



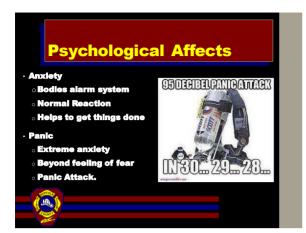






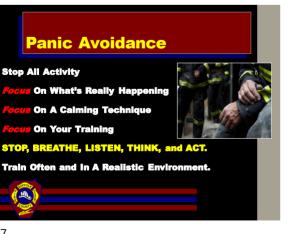






Psychological Affects

- Signs and Symptoms of Anxiety Leading To Panic Shortness of breath
- Sensation of a lack of oxygen
 - Sweating **Trembling or shaking** Nausea
- Loss of focus, mind races
- Choking feeling
- Chest pressure or pain • Pounding heart
- Racing pulse
- Dizziness or light headedness
- Tingling or numbness in hands or feet
- Hot flashes or chills
- Loss of reality, dreamlike state.



Physical Fitness

- Exercise regularly
- · Get plenty of sleep
- · Avoid alcohol/drug abuse
- · Avoid tobacco products
- · Limit caffeine

(2.)

Train through visualization.



28

Air Conservation Emergency Procedures

- All procedures begin with notifying a partner (tapping shoulder)
- The partner <u>should not hesitate</u> to take physical control of the member in distress
- All procedures are for emergencies or
- Should only be used while exiting the building, staying low
- Should a MAYDAY be called?



(2)

Emergency Procedures

Chinning Method - Filter Breathing

- $_{\circ}$ Used for no air supply (consumption / failure)
- Leave facepiece on and call a MAYDAY
- $_{\rm O}$ Ensure seal of facepiece is covered with Nomex hood
- \circ Lift facepiece from chin just enough to allow a small amount of air in
- Stay low

(2.)

• Leave building with partner.

Emergency Procedures

Damaged Facepiece Lens

- Notify partner
- Leave facepiece on and call a MAYDAY
- ${\scriptstyle \circ}$ Place gloved hand over facepiece
- $_{\circ}$ Leave building with partner.



31

Emergency Procedures

· Severed Low Pressure Hose

- Notify partner
- Leave facepiece on and call a MAYDAY
- Grab severed hose

 $_{\circ}$ Leave building with partner.



32

(12.)

Emergency Procedures

• Kegulator Malfunction

• Notify partner

• Leave facepiece on and call a MAYDAY

- ${\scriptstyle \circ}$ Operate by-pass or purge valve
- Leave building with partner.



A





35

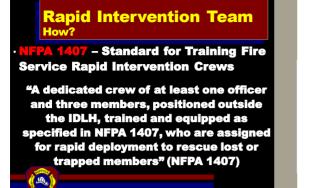
Rapid Intervention Team Why?

NFPA 1550 – Standard for Emergency Responder Health and Safety

"The fire department shall provide personnel for the rescue of members operating at emergency incidents" (NFPA 1550, 10.8.1)

36

(2)



Rapid Intervention Team

· Team Members

 Minimum of 6 firefighters (recommended)

Function as 2 teams

Can conduct a search rope operation



7.

NKA: RIC,

- Experienced firefighters only (probles?)
- o Good physical/mental condition
- Positive, can-do attitude

CFR or EMT trained

38

JA.

RIT Skills

- · Declaring MAYDAY
- · Search Techniques
- · Access and Extrication

· Air Supply

Ropes

12

Protecting Downed
 Firefighters (In Place)

Moving Downed
 Firefighters To Safety

 Firefighter Self-Rescue Techniques.





















47

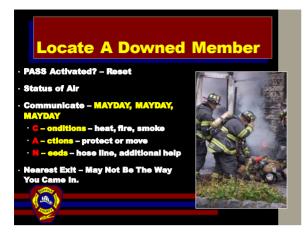
RIT Activation

All Members Should Be Dressed

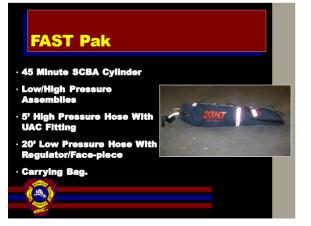
- Consider The Need For A Hose
- Consider Switching Channels On Portable Radios (Acquire 2nd Radio?)
- · 6 Sided Approach

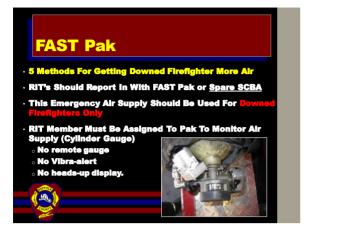
Where Might/Should The MAYDAY Be Operating Based On Their Original Riding Position.











UAC (Universal Air Connection)

- · 5' High Pressure Hose
- Equalizes Pressure Between Member's SCBA And FAST Pak
- Equalization Within 60
 Seconds



- · Built In Check Valve
- · Disconnect After Equalization.

53

(2)

Regulator Replacement

- · 20' Low Pressure Hose
- Remove Member's Regulator
- Attach FAST Pak Regulator • If Inhalation Valve Does
- Not Activate, Operate The Purge



Counter-clockwise To L

54



Hansen Fitting

- 20' Low Pressure Hose
- · Attachment To Members Low Pressure Hose
- Can Be Passed To Member In Distress Without Regulator Or Face-piece
- May Be Difficult To Operate If Member(s) Are Not Familiar With Its Use.

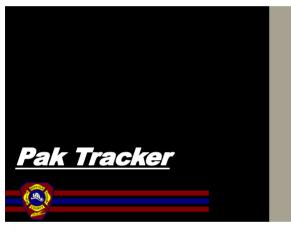


ST02006

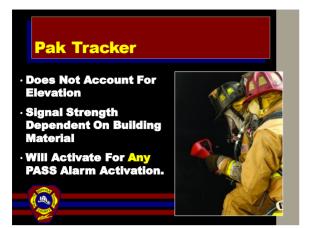
56





























Summary

- Firefighter survival means being an active participant in your own welfare
 Physical fitness / nutrition
 Realistic training
- Air management includes equipment and personal limitations
- · If in a bad spot, STAY CALM, control breathing and focus on your training.

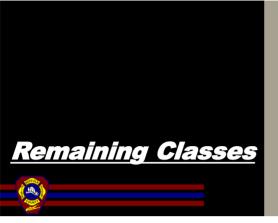
71

Summary (Cont'd)

- · Avoid panic
- · Practice SCBA Emergency Procedures
- · RIT's should be ready to work
- Soften the building without losing unit integrity

• Remember to transmit C.A.N. when locating a downed firefighter.

72



Remaining Classes

- Extremely physically demanding
 Limited visibility while on air
- on ai
- ess of
- Climbing and crawling

· Be prepared to work

74

