

National Fire Protection Association

Contribution to

Chemical Process Safety



IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

”

Standards and
Codes are
written from
humans
tragedies

”



1871 Chicago Fire



1872 Boston Fire



In 1896

**Fire Fighters
Insurers
Engineers
Manufacturer
Buildings Officials**





IT'S A BIG WORLD.
LET'S PROTECT IT TOGETHER.®



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Canada

Shayne Mintz
Laura King

NFPA Headquarters

1 Batterymarch Park
Quincy, MA 02169-7471
+1-617-770-3000
global@nfpa.org

Latin America

Antonio Macías

Brazil

Anderson Queiroz

China

Yuanjing "Janet" Liu

Middle East

Anas Alzaid



A row of firefighter lockers in a station. Each locker contains a helmet on a shelf, a tan fire jacket hanging on a hook, and a blue gear bag hanging from the bottom. The lockers are arranged in a long row against a white wall.

NFPA Vision

We are the leading **global advocate** for the **elimination** of death, injury, property and economic loss due to fire, electrical and related hazards

**Nonprofit
Neutral
Consensus
Impact
Implementation**





325 Staff

300+ Code

250 Technical Committee

50,000 Member

7,000 Volunteer

A woman wearing a white hard hat and safety glasses is looking upwards while working on a server rack. She is holding a yellow clipboard and a pen. The background shows rows of server racks with various cables and components.

25 Direct Training

4 Hands On Training

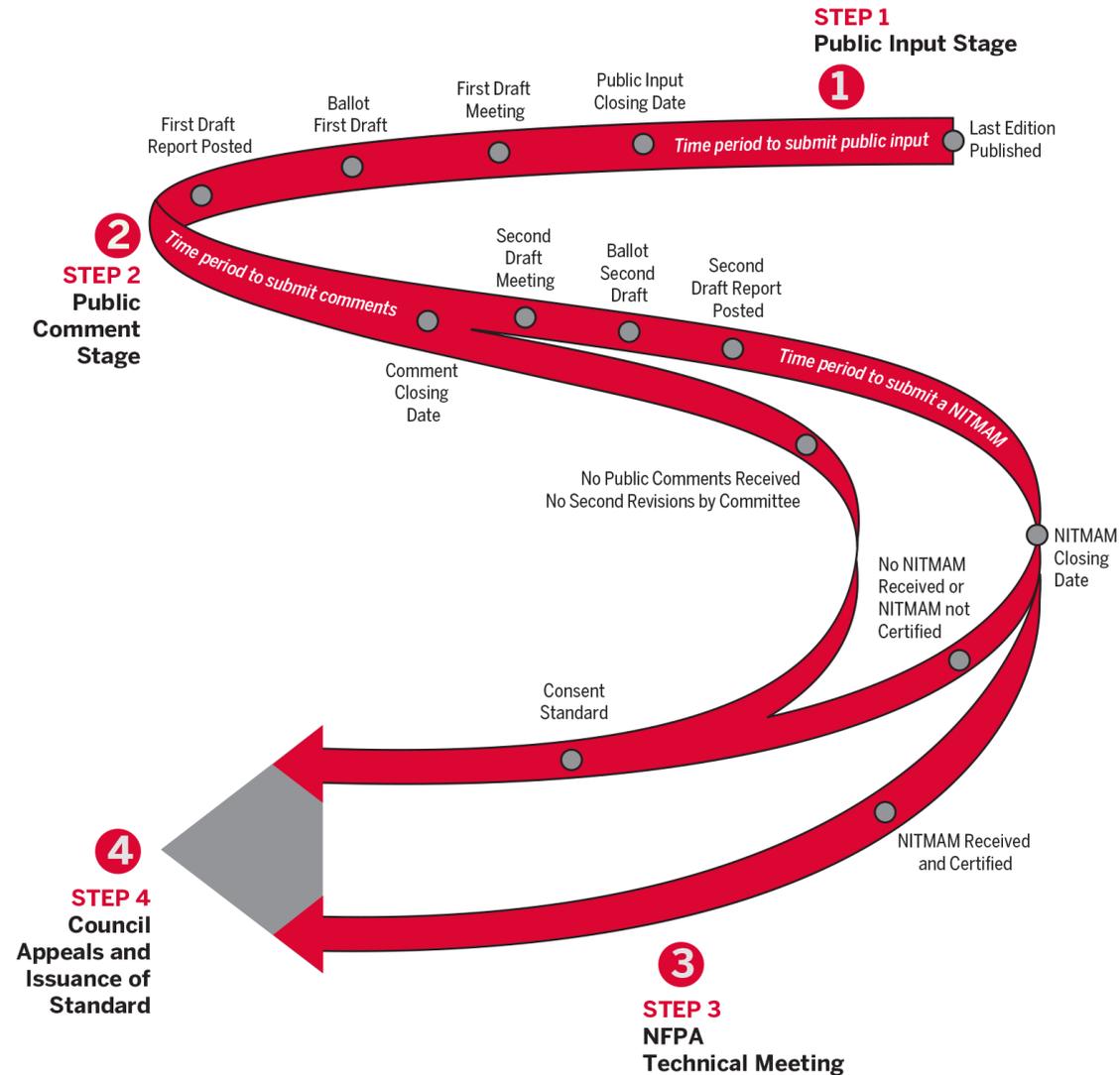
52 Online Training

Onsite Training

Workshops



NFPA Standards Development Process



Certification



Certified Fire Protection Specialist



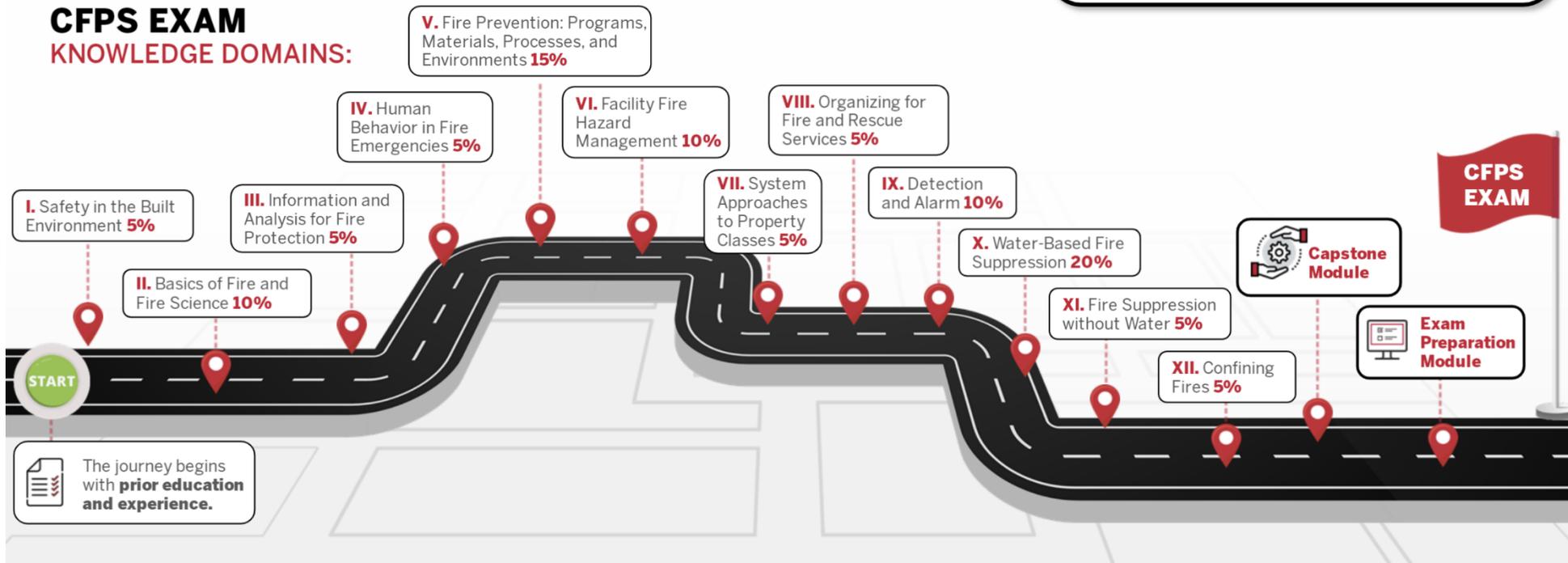
A JOURNEY TO CERTIFICATION

- ✓ NFPA 13 (2019)
- ✓ NFPA 20 (2019)
- ✓ NFPA 25 (2017)
- ✓ NFPA 72 (2019)
- ✓ NFPA 101 (2018)
- ✓ NFPA 654 (2013)

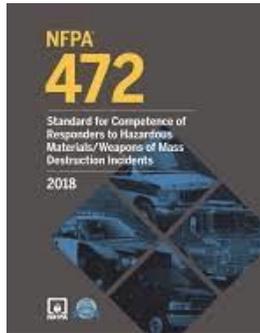
CFPS EXAM
SOURCE MATERIAL:
Self-study of
Fire Protection Handbook
Volumes I and II



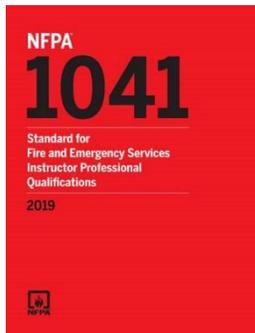
CFPS EXAM KNOWLEDGE DOMAINS:



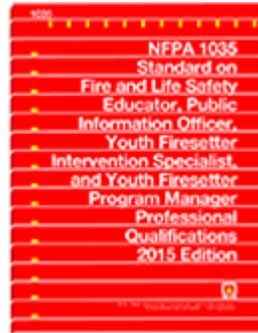
Fire Service Certification



HAZMAT Awareness
HAZMAT OPS Core
HAZMAT OPS PPE
HAZMAT Control
HAZMAT Technician
HAZMAT Decon
HAZMAT WMD



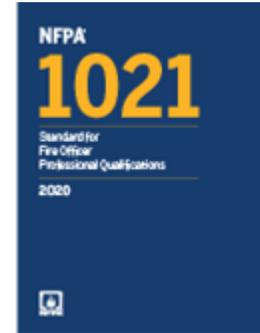
Fire Instructor 1
Fire Instructor 2
Fire Instructor 3



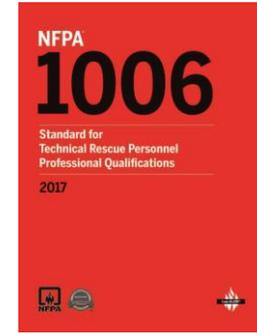
FLS Educator 1
FLS Educator 2
FLS Educator 3



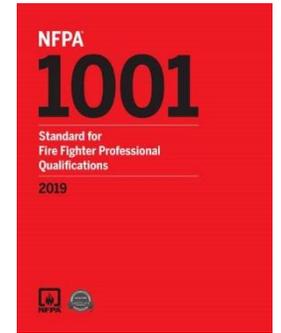
Fire Inspector 1
Fire Inspector 2
Fire Investigator
Plans Examiner



Fire Officer 1
Fire Officer 2
Fire Officer 3
Fire Officer 4



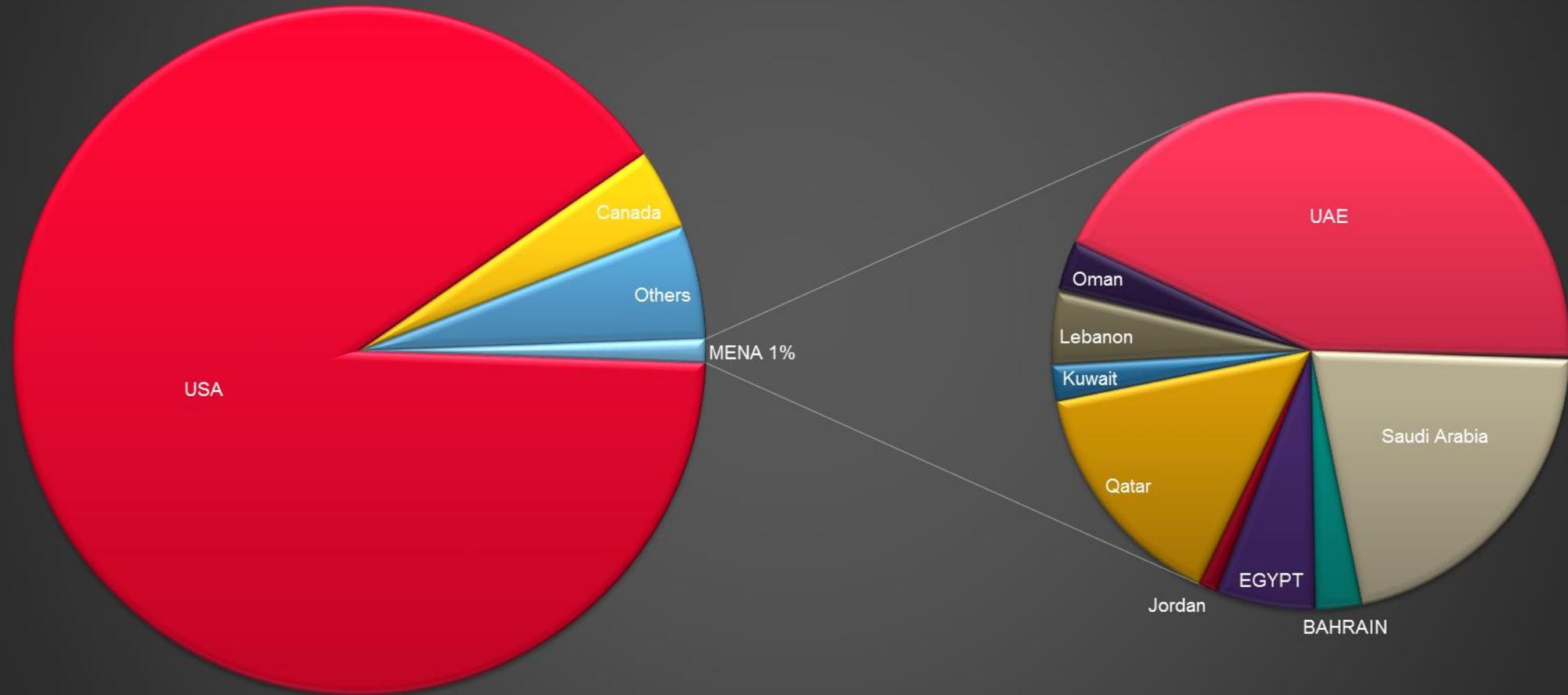
T. Rescuer R1
T. Rescuer R2
T. Rescuer V
T. Rescuer M1
T. Rescuer M2
T. Rescuer W
T. Rescuer CS



Fire Fighter 1
Fire Fighter 2



Membership



Independent Research Foundation



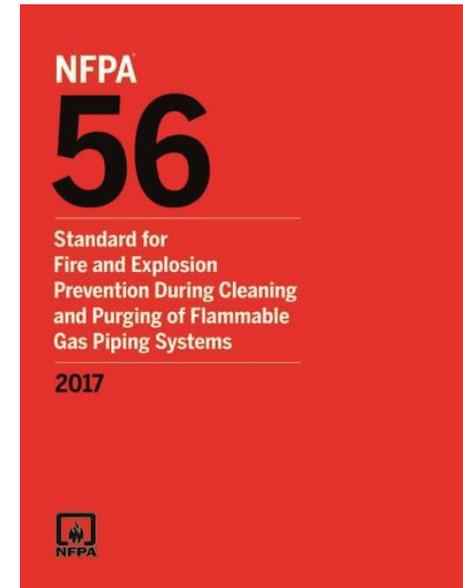
- **Specialized Researches**
 - **Codes Researches**
 - **Fire Systems and Cybersecurity Researches**
 - **Independent Budget**
-
- **Psychological and Health effects on Firemen**
 - **Sprinkler Systems Corrosion**
 - **Energy Storage Fires**
 - **Crowed Control**



Kleen Energy Plant

Feb 7, 2010

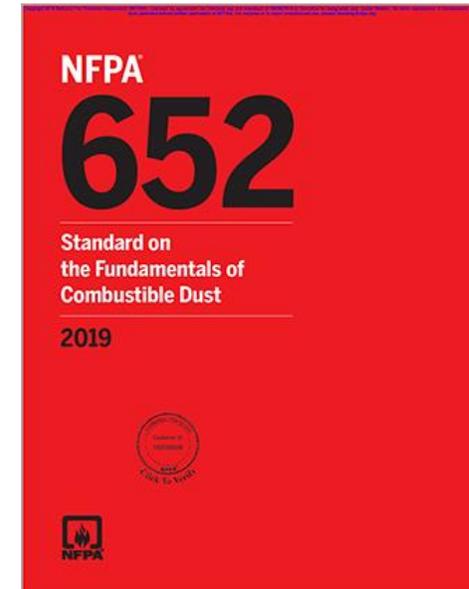
Six Fatalities



Imperial Sugar Plant

Feb 7, 2010

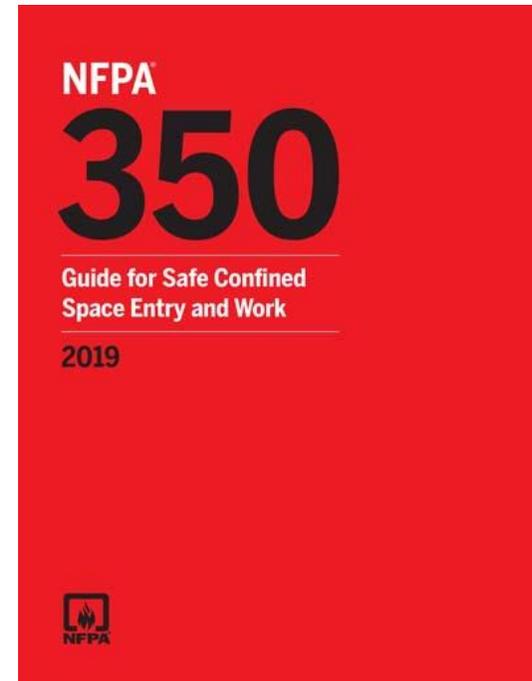
14 Fatalities



Xcel Energy Hydroelectric

Feb 10, 2010

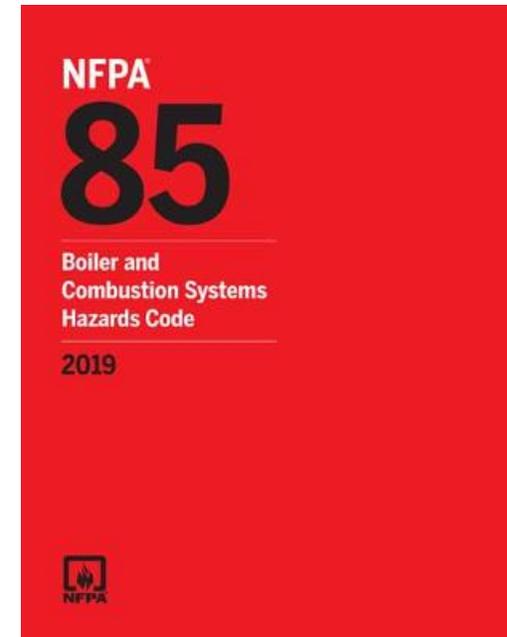
Five Fatalities



Carbide Industries

Mar 21, 2011

Two Fatalities



The Big Question

Can the community be fire Safe?





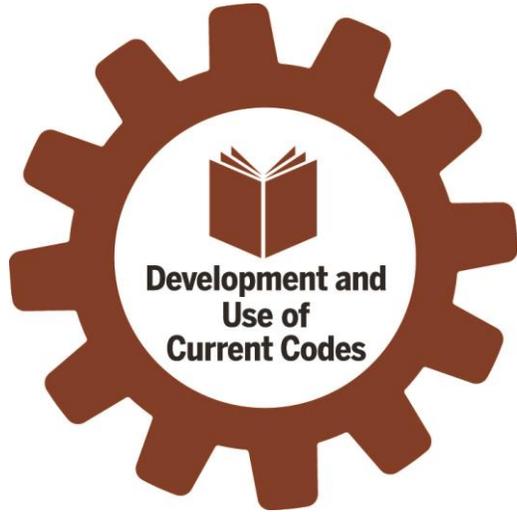


GOVERNMENT RESPONSIBILITY

What is it?

Maintaining an effective policy and regulatory environment supporting fire, electrical, building and life safety.





DEVELOPMENT AND USE OF CURRENT CODES

What is it?

Using the latest codes and standards developed by experts from across the world to establish minimum levels of safety to protect people and property.





REFERENCED STANDARDS

What is it?

Applying all standards that are referenced within the primary fire, life safety, building, and electrical codes and standards.





INVESTMENT IN SAFETY

What is it?

Investing in safety should always be everyone's high priority. We all must work together if we want to diminish losses from fire and related hazards.



National
Transformation
Program



SKILLED WORKFORCE

What is it?

Providing opportunities for professionals to apply the skills they have, offer training when they need it, and reward those who recommit to fire prevention, protection, and education.





CODE COMPLIANCE

What is it?

Supporting effective code enforcement. Whether a house or a new office building, the places people live and work are only as safe as the code compliance in place before, during, and after construction.





PREPAREDNESS AND EMERGENCY RESPONSE

What is it?

Investing in, prioritizing, and investing money in effective preparedness and response capabilities and resources for before, during, and after an emergency.





INFORMED PUBLIC

What is it?

Raising awareness, providing resources, and educating the public about the dangers posed by fire, electrical, and related hazards.



وزارة الإعلام
Ministry of Media







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Be Safe

Thank You

Anas A Alzaid
NFPA, MENA director
0505446275
aalzaid@NFPA.org