Colleges of the Fenway (COF) Community Emergency Response Team (CERT) Handbook

Fall 2022

This Handbook belongs to: _____





Unit 1 – Disaster Preparedness (1/2)

Unit 1 Objectives

- Describe the functions of CERT, discuss your role as a CERT volunteer, and explain how CERT fits into your community's emergency preparedness structure.
- Describe the types of hazards most likely to affect your communities and their potential impact on people, health, and infrastructure.
- Prepare yourself and your family for potential disasters your community may face, including learning to create a family disaster plan and emergency preparedness kit.

Topics



Takeaway Tips

In Boston, Massachusetts, there are several types of natural disasters that may occur. Below are helpful links for building situational awareness:

- WINTER WEATHER: <u>National Weather Service Winter Monitor</u>
- HEAT: <u>National Weather Service Heat Index Forecast</u>
- FLOODING: United States Geographical Survey National Water Information System River Gage Monitoring for Massachusetts
- THUNDERSTORMS: <u>National Weather Service Storm Prediction Center</u>
- POWER OUTAGE: <u>Massachusetts Emergency Management Agency Power Outage Map</u>
- HURRICANE: <u>National Hurricane Center</u>
- TRANSPORTATION: <u>MBTA Alerts</u>
- GENERAL: <u>Massachusetts Emergency Management Agency Alerts</u>



Additional Information

CERTs respond post-disaster by:

- Treating life-threatening injuries until professional assistance is available
- Helping disaster survivors cope with their emotional stressors
- Locating and turning off utilities, if safe to do so
- Extinguishing small fires
- Conducting light search and rescue operations

Topics



Takeaway Tips

Here is a simple checklist for basic items needed in your CERT bag. Use it to track your items as you acquire them:



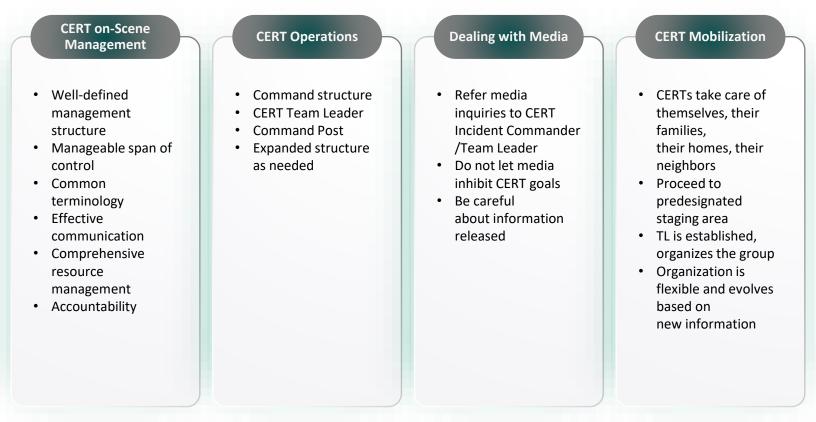


Unit 2 – CERT Organization (1/2)

Unit 2 Objectives

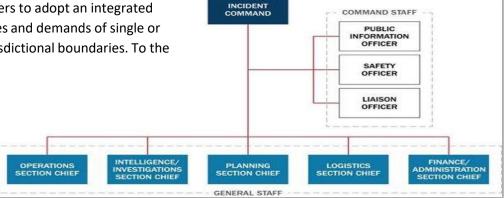
- Describe the CERT organizational structure.
- Explain the Incident Command System (ICS) and how CERT operates within this structure.
- Describe the 9-step one-scene size-up process.
- Describe how to use CERT standard documents.

Topics



Takeaway Tips

The Incident Command System (ICS) allows its users to adopt an integrated organizational structure to match the complexities and demands of single or multiple incidents without being hindered by jurisdictional boundaries. To the right is an example of an ICS structure:



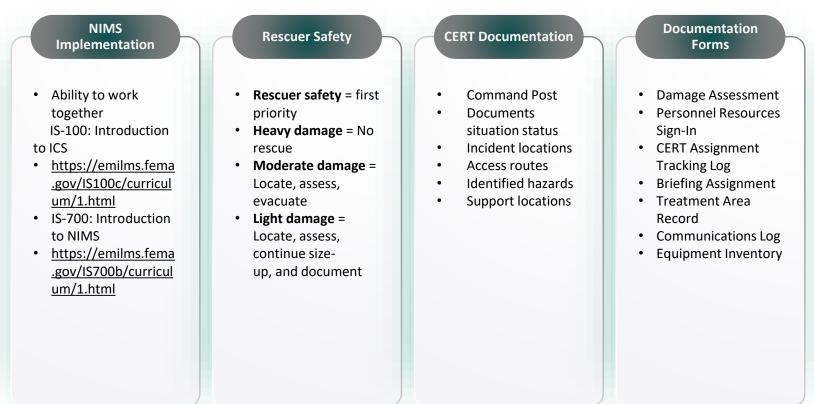


Unit 2 – CERT Organization (2/2)

Additional Information

- ICS provides flexible means of organization.
- Ask "Is it safe to attempt the rescue?"
- Document and communicate information to all CERT levels.
- Provide Command Post with ongoing information about damage assessment, group status, and needs.
- Command Post documents and tracks situation status .

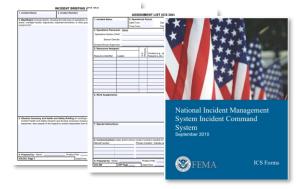
Topics



Takeaway Tips

FEMA has several ICS forms available on its website. Below are a few that may be requested during an activation:

- <u>All documents: https://training.fema.gov/icsresource/icsforms.aspx</u>
- ICS Forms Instructions (v3).pdf
- <u>NIMS ICS Forms Booklet (v3).pdf</u>
- ICS Form 201, Incident Briefing (v3).pdf
- ICS Form 204, Assignment List (v3.1).pdf
- ICS Form 209, Incident Status Summary (v3).pdf
- ICS Form 215, Operational Planning Worksheet (v3).pdf

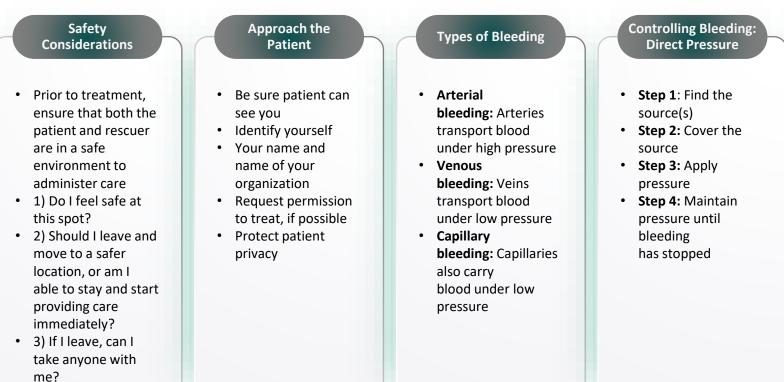




Unit 3 Objectives

- Identify life-threatening conditions resulting from trauma including severe bleeding, low body temperature, and airway blockage.
- Apply correct life-saving techniques.
- Provide basic first-aid care for non-life-threatening injuries.

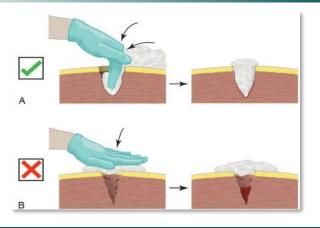
Topics



Takeaway Tips

Remember the ABC of Stop the Bleed:

- A Alert Emergency Personnel Call 9-1-1
- B Bleeding Locate the bleeding injury
 - Look for continuous bleeding, large volume bleeding, and pooling of blood
- **C Compress** Apply pressure and compression to stop the bleeding





Additional Information

Other injuries that are common after disasters:

- Burns
- Wounds , Amputations and impaled objects
- Fractures, dislocations, sprains, and strains
- Cold-related injuries
- Heat-related injuries and insect bites

Topics



Takeaway Tips

How to place a tourniquet



How to placing someone in a recovery position



How to treat someone for shock



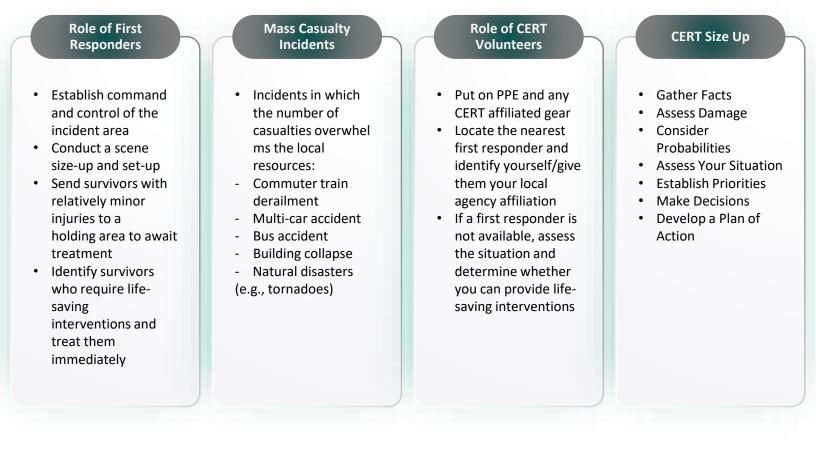


Unit 4 – Disaster Medical Operations Part 2 (1/2)

Unit 4 Objectives

- Explain the role of the CERT volunteer during a mass casualty incident.
- Describe the functions of disaster medical operations.
- Describe how to set up survivor treatment areas.
- Perform head-to-toe patient assessments.
- Take appropriate sanitation and hygiene measures to protect public health.

Topics



Takeaway Tips

There are nine steps to a CERT size up of a scene, but below is the simplified 5 step process:

- 1. Fact (Gather facts)
- 2. Anticipate (Consider facts, guess future)
- 3. Plan ("Direction before velocity")
- 4. Act (Less talking, more doing)
- 5. Review (Continuously re-evaluate)





Unit 4 – Disaster Medical Operations Part 2 (2/2)

Additional Information

During a mass casualty incident, CERT volunteers should:

- Identify self as CERT volunteer and give agency affiliation
- Assess and provide life-saving interventions
- Provide responders with detailed information
- Communication is key

Topics



Takeaway Tips

Water purification in the wild:

- Boil unclean water and allow the sediment to fall as it cools
- Purchase of water purification tablets that can be used as directed, such as LifeStraw

treat them as having a closed-head, neck, or spinal injury

- Gravity filters as shown to the left. A layer of grass, charcoal, and sand is required
- An evaporation trap, pulling moisture out of the earth by diffing a hole in the ground and inserting a container at the bottom

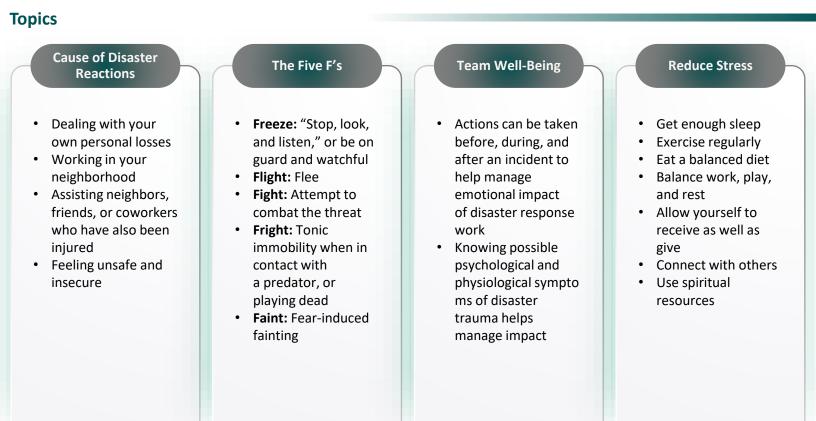




Unit 5 – Disaster Psychology (1/2)

Unit 5 Objectives

- Understand disaster trauma for survivors and rescuers, including CERT volunteers.
- List steps to take for personal and team well-being.
- Demonstrate key steps to apply when providing aid to someone with survivor's trauma.



Takeaway Tips

Active listening skills:



Unit 5 – Disaster Psychology (2/2)

Additional Information

- Prepare yourself, as rescues may be unpleasant and uncomfortable.
- Know the psychological and physiological symptoms of trauma.
- Understand the six emotional phases of a disaster.
- Take steps to reduce stress, which affects cognition, health, and interactions.
- Stabilize individuals.

Topics



Takeaway Tips

Interested in learning more about disaster mental health? Partake in the American Red Cross Psychological First Aid: Supporting Yourself and Others During COVID-19 Online Course. This online course offers further in-depth look at mental health during an active emergency, with skills that can be immediately utilized. Please register for the course here:

https://www.redcross.org/take-a-class/coronavirus-information/psychological-first-aid-online-course



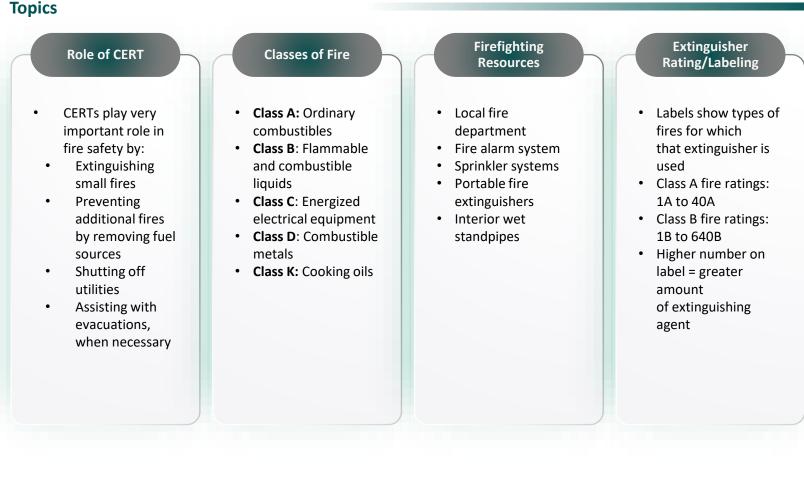
American Red Cross Training Services



Unit 6 – Fire & Safety and Utility Controls (1/2)

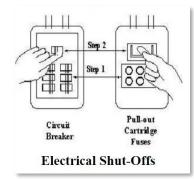
Unit 6 Objectives

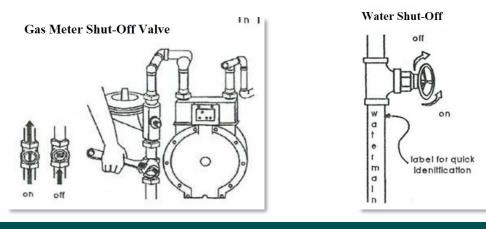
- Explain the role CERTs play in fire safety and response, including the CERT size-up process and minimum safety precautions.
- Extinguish a small fire using a fire extinguisher.
- Identify and reduce potential fire, utility, and hazardous materials hazards at home and in the community.



Takeaway Tips

Utility shut-offs:







Additional Information

Hazardous Materials Classification:

- Health Hazard Blue
- Fire Hazard Red
- Instability Yellow
- Specific Hazard White

Topics









Blue

EXPLOSIVES

Red &

White

INHALATION HAZARD

OXIDIZER

Yellow

FLAMMAB

RADIOACTIVE

White

POISON

White



Yellow & Black &

White

Unit 7 – Light Search and Rescue Operations

Unit 7 Objectives

- Identify and apply CERT size-up requirements for potential search and rescue situations.
- Demonstrate common techniques for light search and rescue.
- Demonstrate safe techniques for debris removal and survivor extraction during search and rescue operations.



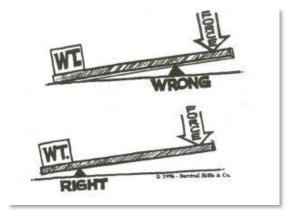
Takeaway Tips

How to lift debris from a victim via cribbing method



How to safely lift and move victims





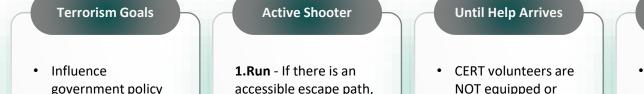


Unit 8 – Terrorism

Unit 8 Objectives

- Define terrorism.
- List the eight signs of terrorism and describe how to report suspicious activity.
- Explain the role of a CERT volunteer during a terrorist incident.
- Describe activities to prepare for a terrorist incident at home, at work, and in the community.

Topics



- government policy and to achieve specific objectives
- Undermine the public's sense of safety and their confidence in the government
- Portray the government as ineffective, weak and/or otherwise incapable

1.Run - If there is an accessible escape path, attempt to evacuate the premises
2.Hide - If evacuation is

not possible, find a place to hide where the active shooter is less likely to find you **3. Fight** - If you are unable to run, evacuate or hide and when your life is in imminent danger, you may attempt to disrupt and/or incapacitate the active shooter

- CERT volunteers are NOT equipped or trained to respond to terrorist incidents
- If you find yourself in a situation that you believe to be a terrorist attack, focus on the most lifesaving interventio ns:
 - 1) Move those in grave danger to a safe place
 - 2) Stop bleeding, prevent shock

Rad/Nuc Shelter-In-Place

- Shut off ventilation systems
- Go to your shelterin-place room
- Use precut plastic sheeting to cover air openings
- Tape sheeting over doors, windows, vents
- Use duct tape to seal other areas
- Ventilate room once contaminants are gone

Takeaway Tips

If you see something suspicious, citizens should always call local law enforcement. When giving details, include the following:

- Brief description of the activity
- Date, time and location of the activity
- Physical identifiers of anyone you observed
- Descriptions of vehicles
- Information about where people involved in suspicious activities may have gone
- Your name and contact information (optional)





Notes

Notes

Feel free to write any additional notes collected during your training session:

Additional Research

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Questions? Contact COF Director of Emergency Management at akoch@colleges-fenway.org

