

Community Emergency Response Team - CERT

What is it and why should you care enough to get involved?

CERT Charter

- ❖ A CERT member's first responsibility is to personal and family safety.
- ❖ A CERT member then helps neighbors and community with public safety issues including <u>life-threatening</u> injuries when First Responders are overwhelmed.
- ❖ A CERT member does the most good for the most people as quickly as possible.

CERT is also known as NETs or NERT



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CERT training is intended to reduce the amount of victims in a disaster. Like Flight Attendants tell you: "Put on you oxygen mask first before assisting your child."

CERT trains you to take care of yourself first, then your family, then your neighborhood, then your locale. The training is FREE with most supplies provided. It pays for itself via future crisis prevention and more effective mitigation.

Community Owned

CERT members assist First Responders using standard operating procedures developed by certified training agencies (Red Cross, FEMA, Fire & Rescue, etc) as directed through your local City Hall.

Working as a team in a disaster, CERT members are Force Multipliers for overwhelmed First Responders as their training, willingness and expertise allows.



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Basic CERT training attends to the basics, sometimes called the 3-B's: Blood, Breath & Brain.

Advanced CERT training can go as far as you care to take it, both tactically and strategically.

In Tigard and Beaverton, we are trained by Tualatin Valley Fire & Rescue at their world-class facility!

Community Owned

Neighbors Helping Neighbors

- Lessen the impact of disasters.
- *Reduce the number of victims.
- Help all community members take steps to prepare.
- Address the unique threats within one's community.



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CERT training reduces the victim count while increasing the survival rate.

It is available to adults and teens.

Training is tuned to disasters typical of specific locales:

Earthquake, tsunami, chemical spill, derailment, tornado, hurricane, and others.

CERT Member Protection

CERT members *generally* protected by:

- "Good Samaritan" Oregon ORS 30.800
 Wash, RCW 4.24.300 & 70.54.320
- ❖ Volunteer Protection Act of 1997: promote <u>volunteerism</u> by limiting or eliminating risk of <u>tort liability</u> when acting for <u>nonprofit organizations</u> or government entities.
- Other relevant State statutes.
- Red Cross First Aid Certification.
- Coverage varies from place to place.
 Make sure before you act!





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While nothing is risk-free, CERT provides guidelines to stay within the law when offering assistance.

"Good Samaritan" laws can be confusing and vary from locale to locale.

When **activated** by City Hall, we in Tigard are covered by the City including **Workman's Comp**

...as long as we are acting within the scope of our CERT training/skills.

Keep in mind, **self-activation** may **NOT** be covered by your locale's authority and liability protection.

Legalities varies from locale to locale so MAKE SURE BEFORE you act!

FEMA Responsibility

What **FEMA** does:

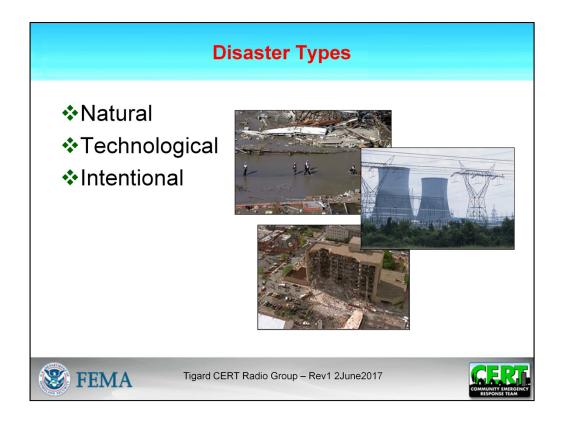
- Develop, test, and refine emergency plans and processes using the Incident Command Structure (ICS)
- Ensure emergency responders have adequate skills and resources using web-based ICS Training
- Provide services to protect and assist citizens



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FEMA provides FREE training materials to us and ARES. That's about it!



Beside locale-specific risks, CERT trains for disasters common to all places. This includes terror threats.

CERT Priorities

"Situational Awareness" or "Size-Up"

Also know as WIN

"What's Important Now?"

- Locating and turning off utilities as needed.
- Extinguishing small fires.
- Treating life-threatening injuries until professional assistance arrives.
- Conducting light search and rescue.
- Staying safe to NOT become victims!



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CERT training is based on Situational Awareness or "Size-Up".

First Responders call this WIN meaning "What's Important Now?"

CERT trains how to shut off household electrical supply, water supply and natural gas.

Includes when to NOT shut off natural gas since authorized Gas Company folks can turn it back on.

CERT emphasizes PPE use and other risk reductions to keep us from adding to the victim list!

More Priorities

CERT responds after a disaster by:

- Help Disaster Survivors cope with their emotional stress.
- ❖ Direct Traffic.
- ❖ Direct 1st Responders to victims, etc.
- Organizing Disaster Medical Operations.
- ❖ Managing SUVs:

"Spontaneous Unaffiliated Volunteers"



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As a disaster plays out, "What's Important Now?" changes so priorities change, too.

One may direct traffic, guide newly arriving First Responders to a crisis, or sit with a victim.

CERTs can help organize SUVs according to their training, if any, to be useful and not become victims.

...or looters!

Crisis Preparation

Preparing for Health and Safety hazards affecting people and infrastructure

- Personal preparedness
- ❖Map-Your-Neighborhood (M.Y.N.)
- Neighborhood preparedness
- Locale preparedness
- Ongoing training (sometimes)



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Crisis Preparation, both in knowledge and supplies, is pivotal to proper crisis handling.

For both for identifying neighborhood complication and advertising CERT, M.Y.N. is an excellent tool! It is about *meeting* your neighbors in the good times so you're on a better footing in the bad times!

Alerting and helping your neighbors to take care of themselves in an emergency SAVES LIVES!

CERT members regularly move up the ranks into leader/trainer positions to help the locale.

Some CERT programs are "catch-and-release" so-to-speak leaving ongoing training to the individual.

Personal Disaster Plan

- Where will you meet family members?
- Will you have an extended stay? Shelter in place? Evacuate?
- How will you escape your home? Workplace? School? ❖ Did you practice your plan? Place of worship?
- What route (and several) alternates) will you use to evacuate your neighbors?
- Do you have transportation?
- ❖ Who is your out-of-State "check-in" contact?



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CERT trains in handling home, school and workplace issues after a disaster.

A basic Personal Disaster Plan is a great first-step tool to start addressing your needs.

Shelter Options

- Shelter-in-place:
 - sealing an internal room
 - Stay for 4-8 hours
 - Store supplies
- ❖ 72-hour GO Bag option.
- Extended stay
 - Stay for several days up to 2 weeks 2-3 months
 - Store emergency supplies

- Mass care community shelter
 - 3-day disaster kits
 - Shelters provide most supplies
- School Evacuation
 - Contact for pick-up



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CERT generally teaches "Shelter In Place" but this is NOT an option in a tsunami or flash flood zone.

Whether you stay or go, you need to prepare for the event that is likely for your locale and home.

In some places, this may mean far more than a 2 week food & water supply.

The ICS Structure

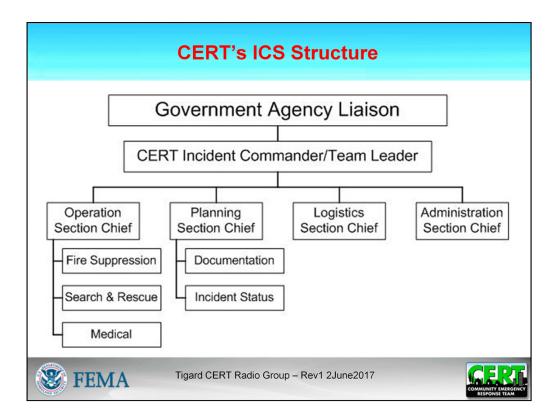
- Assigns responsibility to organizations and individuals
- Establishes lines of authority
- Describes how people and property will be protected
- Identifies personnel, equipment, facilities, supplies, and other resources



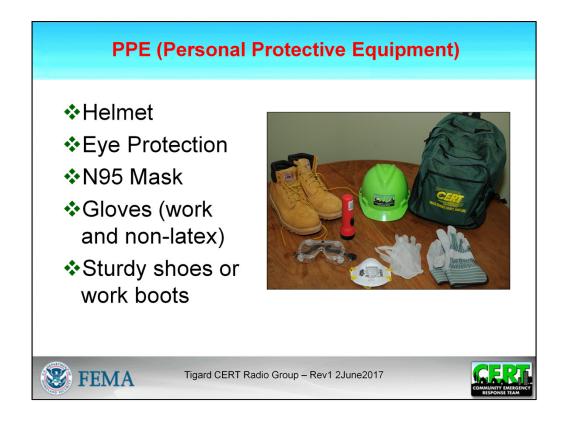
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All First Responders use the FEMA ICS system, as does forest fire fighting operations and military civilian aid.



CERT follows the model, however the structure can change to fit the incident and as personnel are available.



Equipment is usually inexpensive and some are provided by your locale. Not provided are boots and gloves since those have to fit the individual.

Non-Disaster Roles

- Identify and aid neighbors/coworkers who might need assistance
- Distribute preparedness materials; do demos
- Staff first aid booths at special events
- Assist with installation of smoke alarms
- Parade route management





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CERT is self-advertising. We hold Preparedness Fairs and presentations at schools, parks, businesses, etc.

We provide personnel to parades, fun-run races, and First Aid tents to events like the Tigard Festival Of Balloons.

MORE CERT Training! Knowledge is Power! Utilities control Special needs ❖ CPR - AED Animal issues Networking with Wilderness First Aid Community relations Preppers Debris removal Survivalists Traffic/crowd Homesteaders management Church groups Shelter management Radio Comms! FEMA Tigard CERT Radio Group - Rev1 2June2017

BUT WAIT! There's more!

Advanced CERT training includes helping utility workers, sandbagging, clean-up and more! CERTs network with other CERT groups, Churches, Preppers, Survivalists, Homesteaders and off-the-grid folks to share lots of ideas. Of course, RADIO COMMUNICATION is included in this.



BUT WAIT! There's STILL more!

Networking with Preppers and Survivalists gets us ideas for Every-Day-Carry, food storage, quick latrines, water handling, Get-Home-Bags, Bug-Out-Bags, 72-hour kits, Car kits, elderly and shut-in care kits, and far more than can be listed here!

By the way, don't diss Survivalists! THEY know how to make fabulous B.O.B.s!

CERT ARES Differences

- **❖** Amateur emergency crisis communications
 - Robust Infrastructure
 - Trained, experienced, practiced radio operators
- * ARES, RACES
 - "Boots-Under-The-Desk"
 - Message <u>Handling</u> charter
 - Experts in <u>Technical</u> requirements
- *** CERT**
 - "Boots-On-The-Ground"
 - Message <u>Originating</u> charter
 - Experts in *Tactical* requirements



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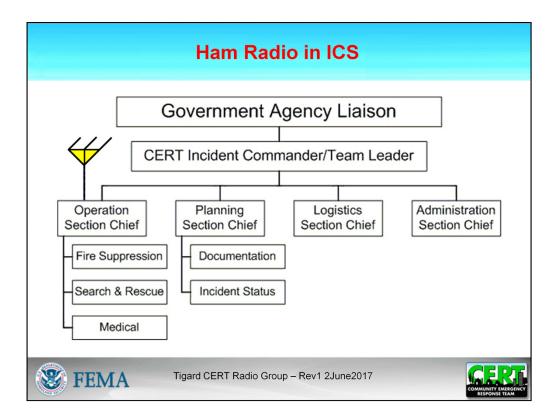
CERT uses Amateur Radio differently than ARES, RACES, MARS, NTS and others.

CERT centers on the neighborhood and locale, not county, state or nation like ARES.

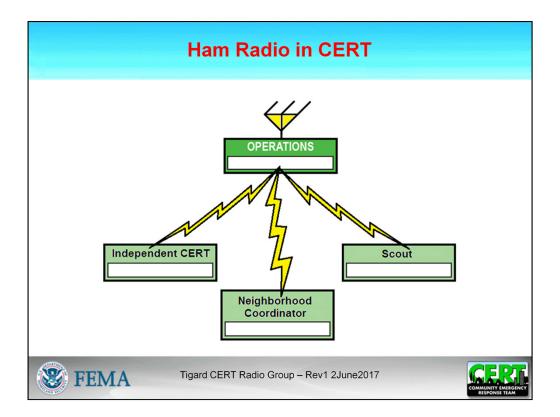
ARES and others are heavily technically skilled in message handling and such.

Most importantly, CERTs are Message Originators, not only Handlers.

Our technical requirements are less but our tactical requirements are more.



Radio adds favorably to any ICS structure. The first application is Operations. That said, the alternative to Ham Radio is FRS or runners. *groan*



In a typical large incident, an "Independent CERT" can call for help for himself, family and/or neighborhood.

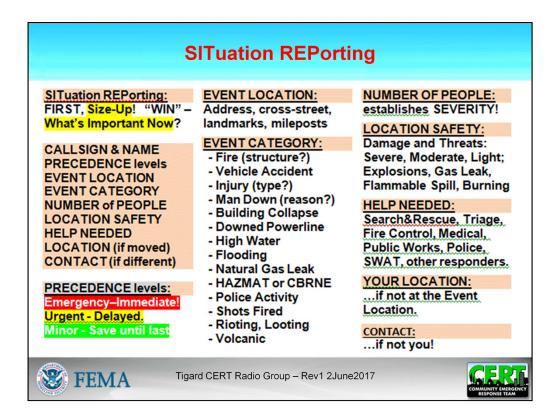
The Operations Chief may direct the CERT to be a Neighborhood Coordinator for incoming First Responders.

After any family or neighborhood obligations, the CERT can report to Incident Command or a Staging Area.

The CERT may be directed by the Operations Chief to do some scouting of other neighborhoods along the way.

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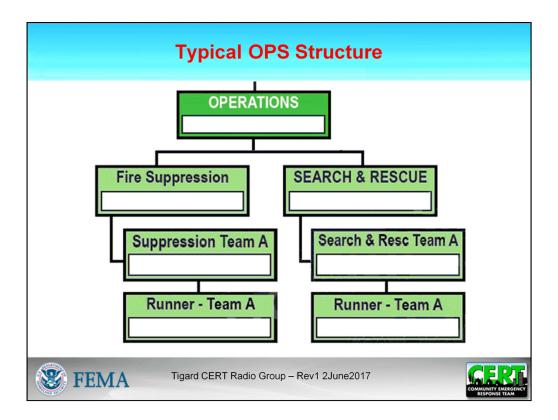
Regardless of location, a CERT will be called upon to report any situation worth reporting. This form is a reduced Form ICS 209 - Incident Status Summary that helps track each incident.



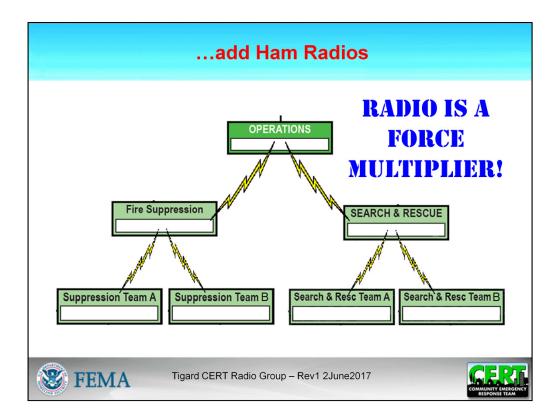
When 2-way radio is involved, this changes from a form to a SitRep given over the radio.

The accuracy and completeness of this information is vital to correctly responding to the situation.

The content here is modified from the Coast Guard ICS 209-based SitRep.

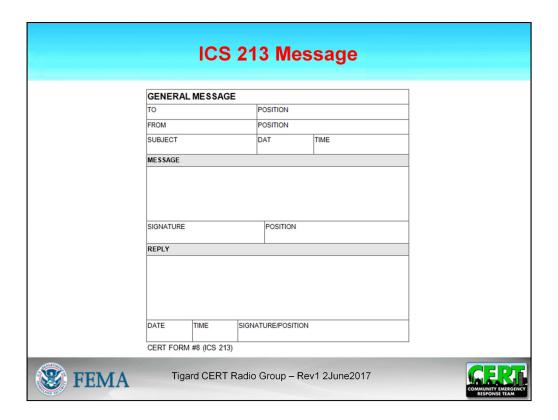


In this manner, a message "Runner" is no longer needed. This frees up a person to be more functional.

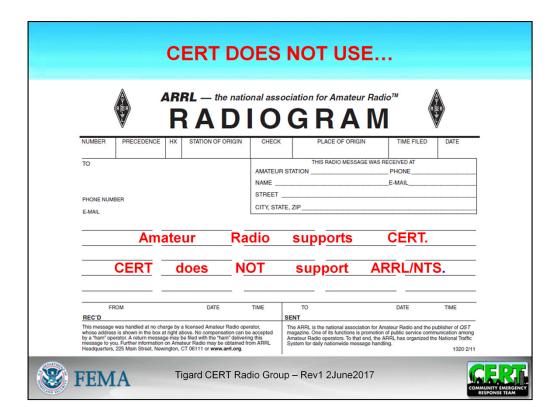


CERTs that would have been "Runners" without 2-way radio communication are now free to be additional team members.

Truly, Radio Is A Force Multiplier!

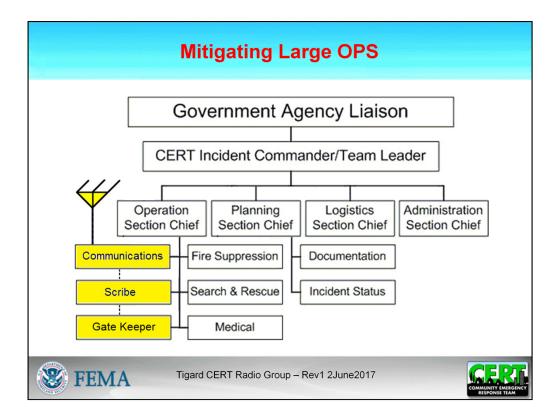


CERTs do handle radio messages too in their work. As such we use FEMA ICS forms like this ICS213 version.



Since CERTs must use FEMA ICS forms and procedures, we do NOT use NTS/ARRL Q-codes, procedures or forms ...like this ARRL RadioGram.

That said, there was talk after Cascadia Rising that FEMA liked the NTS messages they saw being used. Haven't heard anything further on that so for the time being, we don't use it!



Emergencies come in all sizes so the ICS is designed to be VERY flexible to adapt to any situation.

The Operations Chief may delegate a Communications position to handle messages.

The Operations Chief may delegate a Scribe to document messages.

The Operations Chief may delegate a Gate Keeper to handle interruptions.

These three positions may be the same CERT member if the Operation is small.

Ham/CERT Individual Motives

How and why did you become a Ham?

- Was a Novice and dropped out. Got back in around 2000 primarily for CERT communication work. Allow communication when other media may not be available.
- Extends my community
- Reliable communications where normal communications fail
- Extra capability for CERT and expands our reach beyond CERT
- · Force Multiplier for CERT.

How and why did you become a CERT?

- Disaster preparation for self and community.
- Was a Ham before CERT. Joined at Preparedness Fair.
- Retired. Invited by Ham/ARES/CERT neighbors.
- Just following my CERT girlfriend. She hasn't led me astray yet!
- Neighbor recruited. Important to have emergency skills for self, family and others.
- Map Your Neighborhood!
- Was also Ham before CERT. Wants to be part of communications aspect.
- Joined in CERT after meeting Tigard's Emergency Coordinator during the Balloon Festival.

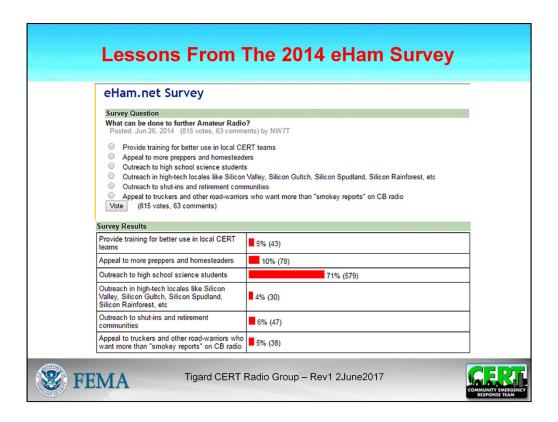


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So there is a lot for an Amateur Radio Operator (ARO) to do as a CERT member. One of our Tigard CERT weekly networks on our CERT repeater asked the questions:

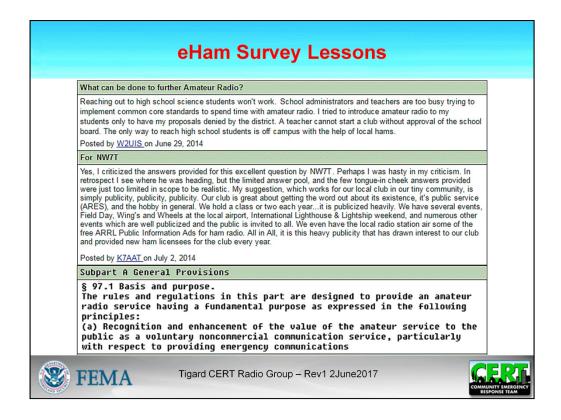
- 1. How and why did you become a Ham?
- 2. How and why did you become a CERT?



3 years ago, I posted an eHam survey to hear others thoughts on promoting Amateur Radio.

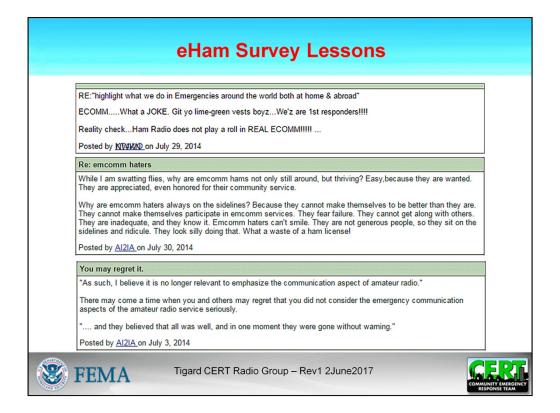
I was surprised by the results considering the baby-boomers, high-tech workers, EmComm emphasis and general independence of the hams I know (and am)!

One result that was not a surprise was the high-school angle. That is how I became a Novice in 1975.



...but this isn't 1975 anymore. There was no Department of Education then, but there was Auto Shop, Wood Shop, Metal Shop, Electronics, and JROTC (at least there was in Boise, Idaho.) Times changed.

Still in smaller locales, there is lots of opportunity for publicity, and the EmComm purpose of Part 97.1 (a) still reigns!



As such, I was surprised how few people know that this is what many CERT teams are doing with Amateur Radio NOW!

So here I am to try to fix this dilemma! Yes, there are some dissenting votes out there, but they are few (albeit vocal).



Anyone involved in ARES, MARS, RACES, ACES or the myriad of Clubs know this well. Anyone who steps up in any time of trouble knows this well.

Whether you stop for a traffic accident, help a choking stranger, help a lost child, aid an elderly person, whatever, YOU KNOW THIS!

What can you do?

What do you want to learn and do?

- Disaster Preparation for self, home, neighbors, locale, beyond.
- Disaster Mitigation in the face of storms, accidents, earthquakes, tsunamis, other.
- Working with 1st Responders like Fire, Medical, Police, Public Works and others.
- ❖ Develop Tactical Radio skills.
- *Apply your Technical Radio skills.



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So, that is that. Do you want this training? Would you like to fit into our numbers, too? We need all the expertise we can get. We have doctors, nurses, EMTs, firemen, cops, Hams and more!

...so why not you?

