

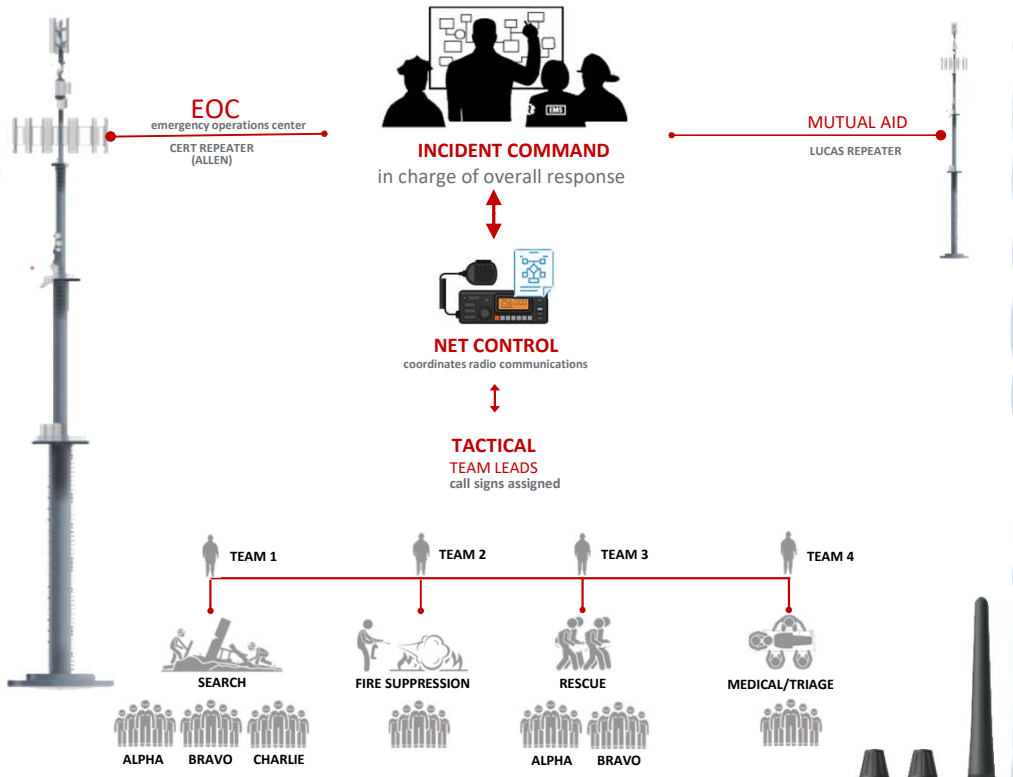
# CERT RADIO PROTOCOL



ALLEN, TX USA

81 HAM OPERATORS	163 CERT RESPONDERS	16 YEARS OF SERVICE
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## CERT EMCOM



### PRO-WORDS (BASIC 4)

- "RECEIVED": I acknowledge receipt and clear copy of traffic.
- "BREAK": I still have more to say but need to let off PTT
- "STAND BY": I acknowledge you need to contact me but cannot listen or respond at the moment.
- "REPEAT": I did not understand your traffic and you need to repeat it.

<i>The call</i>	"SEARCH ALPHA FROM COMMAND"
<i>The answer</i>	"GO AHEAD COMMAND"
<i>The response</i>	"CONTACT MEDICAL ON CHANNEL ONE FOUR"
<i>The acknowledgement</i>	"RECEIVED. SEARCH ALPHA CHANGING TO ONE FOUR FOR CONTACT."



# VERBAL DRILLS



DRILL #1

## CALLING AND REPLYING (INFORMAL)

**Initiating a contact and answering a contact (NON-DIRECTED NET):**

“SEARCH LEAD, **this is** SEARCH ALPHA.”

“SEARCH APLHA, **this is** SEARCH LEAD. **Go ahead.**”

“We finished our hasty search of Building A. No victims found or any hazards at the scene. **Break.** We are enroute to Lot C.”

“**Received.** SEARCH ALPHA enroute to Lot C.”

DRILL #2

## DOUBLING TXN (DIRECTED NET)

(DIRECTED NET)

*Command heard a double transmission from TRIAGE and SEARCH ALPHA.*

“There was a double. SEARCH ALPHA. **Go ahead.**”

“**This is** SEARCH APLHA. We finished our hasty search of Building A. Zero victims found and zero hazards at the scene. **Break.** We are en-route to Lot C and will wait for further instruction. **Clear.**”

“**Received.** SEARCH ALPHA finished searching Building A and enroute to Lot C for further instruction” .... “The other person, **go ahead.**”

“**This is** TRIAGE. We have three immediates needing transport. Can you respond with an ETA?”

“**Received.** TRIAGE has three immediates needing transport. Standby for ETA.”

“TRIAGE **standing by** for ETA.

(...after some time...)

“TRIAGE **from** COMMAND.”

“**Go ahead** COMMAND”

“Medical evac will arrive in one five minutes.”

“**Received.** Medical evac arriving in one five minutes. TRIAGE **Out.**”

# RADIO PROTOCOL



## LIST OF PRO-WORDS

- “All before”
  - “All after”
  - “I spell”
  - “Affirmative”
  - “Negative”
  - “Stand by”
  - “Roger”
  - “This is”
  - “From”
  - “Break”
  - “Go Ahead”
  - ”Go”
  - “Copy”
  - “Received”
- OPTIONAL**
- “Over”
  - “Out”

## NATO PHONETIC ALPHABET

A – Alpha	J – Juliet	S – Sierra
B – Bravo	K – Kilo	T – Tango
C – Charlie	L – Lima	U – Uniform
D – Delta	M – Mike	V – Victor
E – Echo	N – November	W – Whiskey
F – Foxtrot	O – Oscar	X – Xray
G – Golf	P – Papa	Y – Yankee
H – Hotel	Q – Quebec	Z – Zulu
I – India	R – Romeo	

## RADIO USAGE



- **Stand in a safe place (e.g., not in the middle of the street).**  
*Concentrating on the radio, you will miss what is happening around you.*
- Only one person at a time can talk! This is NOT a telephone.
- Tune radio to assigned channel and LOCK it.
- **THINK** - Mentally compose your message before transmitting.
- **VERTICAL** – radio works best with antenna upright
- **LISTEN** to ensure no one is talking
- **PUSH** the PTT (the Push-To-Talk button),
- **BREATH** - you need to pause a moment for the radio to get ready to transmit otherwise you will get cut off.
- **SPEAK** – clearly, calmly, and slowly in a normal volume across the mic.
- **RELEASE** – the Push-To-Talk button
- Do not send sensitive information over the air. **ANYONE** can hear you.
- If you are getting a bad signal in either RX or TX, you must move a few feet, get higher, face a different direction, tilt the antenna or hold radio above your head. Experiment!

**NOTE:** When transmitting on any Amateur Radio frequencies, Channels 1-5, you must identify with your amateur radio callsign at least every 10 minutes, or at the end of all multi conversation exchanges.

# RADIO DISCIPLINE



## HELPFUL TIPS

- When calling another station give their call sign, then yours
- Speak across the microphone
- Remember to use the *Echo* principle, restate what you heard
- Keep your antenna vertical
- Release the PTT button occasionally to allow others to break in
- Avoid excessive calling or unnecessary traffic
- Listen before transmitting for clear channel communication
- Decide what you are going to say before transmitting
- Keep messages short and simple
- Use phonetic alphabet and pro-words for clarity
- After keying mic Pause 1 second for simplex transmissions and at least 2 seconds if using a repeater before talking
- Remain calm and do not shout in microphone



## RADIO PRO-WORD USAGE

- Use "**EMERGENCY TRAFFIC**" whenever there is radio traffic, and you want to get through with your emergency message.
- Answer each call to confirm reception. Use "**RECEIVED**", "**COPY**", or "**ACKNOWLEDGED**."
- If you do not understand the message, do not confirm it. Use "**SAY AGAIN**", "**REPEAT**" or "**STAND BY**" instead.
- Whenever a word must be spelled use NATO code words for each letter. Precede this type of transmission with "**I SPELL**"

**Note:** Don't speak too fast especially if the message needs to be written down. Pause after logical phrases. High voice does not guarantee that you will be more readable.