Ham Radio
Emergency Communications

Integration with

Incident **C**ommand **S**ystem (ICS)

&

Community **E**mergency **R**esponse **T**eams (CERT)

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Ham Radio: A Lifeline in Emergencies Integration with ICS and CERT

Strengthening Communication in Crisis Situations

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Introduction

- Ham radio, or amateur radio, is a vital communication tool during emergencies.

Introduction

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- Ham radio, or amateur radio, is a vital communication tool during emergencies.

- It provides a reliable means of communication when other systems fail.

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Introduction

- Ham radio, or amateur radio, is a vital communication tool during emergencies.

- It provides a reliable means of communication when other systems fail.

- This presentation explores the significance of ham radio in emergency situations.

What is Ham Radio?

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- Ham radio, also known as amateur radio, is a hobby and a public service that allows individuals to communicate with each other using designated radio frequencies.

What is Ham Radio?

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- Operators, called "hams," use their knowledge and skills to provide essential communication during emergencies when other systems fail.

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Importance of Ham Radio in Emergencies?

- Ham radio is resilient and independent of traditional communication infrastructure.

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Importance of Ham Radio in Emergencies?

- Ham radio is resilient and independent of traditional communication infrastructure.

- It can provide critical communication links when phone lines, internet, or cell towers are unavailable.

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Importance of Ham Radio in Emergencies?

- Hams can establish communication networks quickly, connecting affected areas with emergency responders and authorities.

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- ICS is a standardized management system used by emergency response agencies to coordinate and manage resources during incidents.

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- It provides a framework for organizing personnel, equipment, procedures, and communications.

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Incident Command System (ICS)

- It provides a framework for organizing personnel, equipment, procedures, and communications.

- Ham radio operators can integrate into the ICS structure, enhancing communication capabilities.

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Integration of Ham Radio with ICS

- Hams can be assigned specific roles within the ICS structure, such as Communications Unit Leader or Radio Operator.

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Integration of Ham Radio with ICS

- Hams can be assigned specific roles within the ICS structure, such as Communications Unit Leader or Radio Operator.

- They follow ICS protocols and procedures for efficient communication management.

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Integration of Ham Radio with ICS

- Integration ensures seamless coordination between ham radio operators and other emergency responders.

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Community Emergency Response Teams (CERT)

- CERT is a program that educates individuals about disaster preparedness and trains them in basic disaster response skills.

- CERT members assist first responders during emergencies and provide immediate assistance to their communities.

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Community Emergency Response Teams (CERT)

Community Emergency Response Teams (CERT)

- Our local CERT organization is "Tehachapi Valley CERT" (TVCERT).

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Community Emergency Response Teams (CERT)

- Our local CERT organization is "Tehachapi Valley CERT" .

- Fundraising is supported by "Friends of Ready Community Emergency Response Teams" or "FORCERT".

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Community Emergency Response Teams (CERT)

- FORCERT, like the Tehachapi Amateur Radio Association, is a 501c3 organization.

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Community Emergency Response Teams (CERT)

- FORCERT, like the Tehachapi Amateur Radio Association, is a 501c3 organization.

- TVCERT has teams in Bear Valley Springs, Alpine Forest, Golden Hills/Tehachapi, Mountain Meadows, and Sand Canyon.

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Community Emergency Response Teams (CERT)

- The local CERT Teams have the Kern County Fire Department (KCFD) as their sponsoring agency.

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Collaboration between Ham Radio and CERT

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- Ham radio operators often work alongside CERT teams to provide communication support during emergencies.

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Collaboration between Ham Radio and CERT

- Ham radio operators often work alongside CERT teams to provide communication support during emergencies.

- CERT members can relay information gathered from affected areas to emergency responders via ham radio networks.

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Collaboration between Ham Radio and CERT

- Collaboration enhances overall response capabilities and ensures effective communication in challenging situations.

Training and Preparedness

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- Both ham radio operators and CERT members undergo training to prepare for emergencies.

Training and Preparedness

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- Both ham radio operators and CERT members undergo training to prepare for emergencies.

Training and Preparedness

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- Training includes radio operation techniques, emergency communication protocols, and disaster response skills.

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Training and Preparedness

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- Team members, both Hams and CERT, have taken FEMA ICS courses to better understand and work with the ICS system in emergencies.

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<u>Training and Preparedness</u>

- Courses include:

  - **IS-100.C:** - Introduction to the Incident Command System, ICS 100

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Training and Preparedness

- Courses include:

  - **IS-100.C:** - Introduction to the Incident Command System, ICS 100

  - **IS-700.B**: An Introduction to the National Incident Management System

Training and Preparedness

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- Courses include:

  - **IS-100.C:** - Introduction to the Incident Command System, ICS 100

  - **IS-700.B**: An Introduction to the National Incident Management System

  - **IS-317:** Introduction to Community Emergency Response Teams

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Training and Preparedness

- Preparedness ensures readiness to effectively respond to any situation that may arise.

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Case Studies

- TARA and CERT have worked together during events suce as:

  - Challenge the Bear in BVS

  - The Grand Fondo in Tehachapi.

Case Studies

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- The Bear Valley Springs Emergency Response Team (BVSERT) responded to the "Trotter Incident" in support of the Bear Valley Spring Police Department.

Discussion

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- Highlight real-life examples where ham radio operators and CERT teams collaborated effectively during emergencies.

- Inclusion of the ICS system during operations.

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