



# Welcome To The world of Amateur Radio

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# What is Amateur Radio?



# Amateur Radio 101



# Communications Capabilities

- Simplex
- Repeaters
- Worldwide
- Digital
  - Email
  - Images
  - APRS
  - Text
  - Short Messages
  - Morse Code

The background of the slide features a silhouette of several radio towers of varying heights and designs against a clear blue sky. The towers are positioned on the right side of the frame, with the tallest one on the far right. The overall aesthetic is technical and professional.

## **Amateur Radio Endless Training**

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- **It's Our Hobby**
- **Contesting**
- **Field Days**
- **Building and Repairing Equipment**
- **Building and testing of Antennas**
- **Building and testing of power systems**
- **Constant enhancement of our radio stations**
- **Staying on top of efficiency and portability**
- **Weekly Practice Nets**

# How Is Amateur Used In Disasters

Hurricanes

Man Made  
Disasters

Outages

Aid Other  
Countries

Aid Muncipalities

Aid Local  
Government

Shelters

Emergency  
Operations Center

Health and welfare  
checks

Backup  
Communications  
for International  
Space Stations

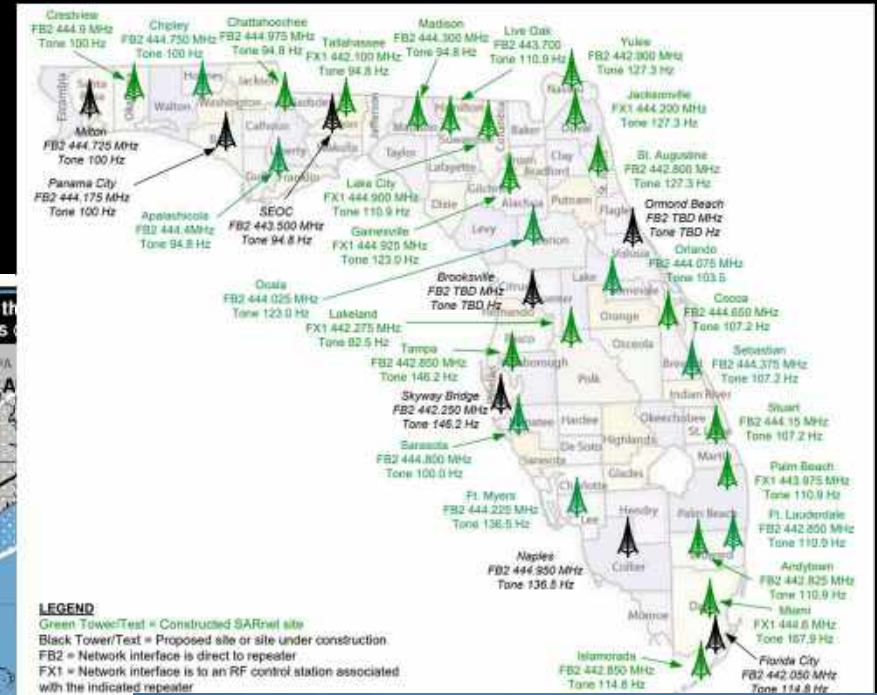
# Amateur Radio and Community Event Assistance

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# Hurricane Michael 2018 & The Florida Sarnet System





# Amateur Radio Groups And Organizations



# Local Clubs

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# When Technology Fails

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- Cell Phones
- Internet
- Maps
- Email
- Text
- TV



# Getting Prepared



Getting Staff Licensed



Installation of Amateur Radio Equipment



Performing Drills



Create an action plan on how to contact Local Amateur radio resources if needed



Installation Antennas and feed lines into the Hospital Command Center



Form Alliance with Local Ham Communities and Clubs



# Pop Quiz!!

## Are you Ready?

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1. How is your facility meeting its Joint Commission (formerly JCAHO) requirement for backup to communication systems?
2. Does your Communications Supervisor and Disaster Committee Chair understand what Amateur Radio is and how backup communications using Amateur Radio can help you in big and small disasters?
3. If yes, have you made an effort to contact Amateur Radio operators in your area to form an alliance?
4. If yes, has your Administrator formalized this alliance?
5. If yes, have you discussed all of the following with the hams?
  1. Alerting procedures for both widespread and isolated disasters
  2. Special communications needs such as antennas on your buildings
  3. Drill opportunities
  4. Your critical internal and external communications needs
6. If yes, have you followed through with all of the following?
  1. Given tours of your facility to the ham group
  2. Kept your procedure books current with updated info about the hams
  3. Verified your call-up procedures and kept them current
  4. Included hams in your facility's JC-mandated community disaster drills

# The National Hurricane Center



- Radio Station Located inside the National Hurricane Center







## WX4NHC Haiti Earthquake

Two weeks after a magnitude 7.3 earthquake devastated Haiti, amateur radio operators were hard at work there connecting rescuers within the country and to the outside world. But they were switching gears from rescue mode to recovery mode as aid workers set up camp and distributed food, water, medical supplies, and other aid to survivors.



# Hurricane Maria - 2017

# Some More Examples

1995 - Hurricane Luis  
2004 - Hurricane Charley

