HAMCATION 2017 The Florida Statewide Amateur Radio Network "SARnet" Forum

February 11, 2017

Presented by

Randy Pierce (AG4UU),

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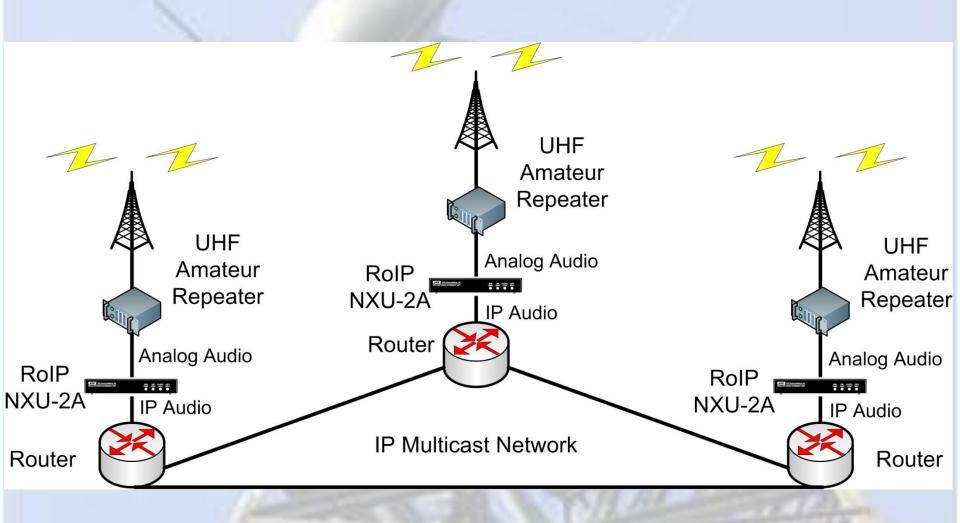
Joe Poerschke (WB4HIS),

David Krauss (NX4Y)

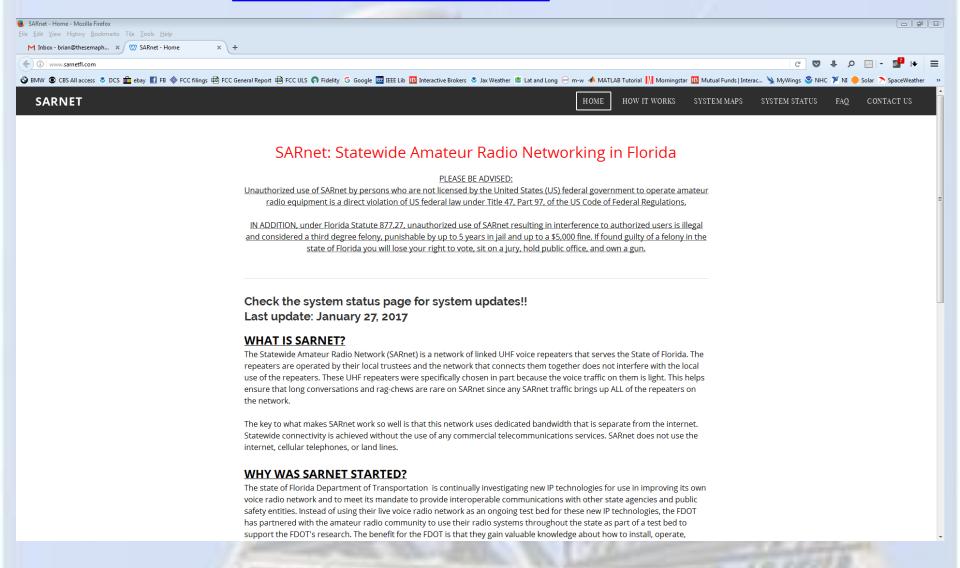
- Presentation Outline
 - What is SARnet?
 - SARnet Website and Maps
 - Newest Editions:
 - Photos removed from presentation for security reasons
 - NX4Y's P25 SARnet Nodes
 - SARnet and EMCOM
 - Current Status and The Future
 - Discussion

- What is SARnet?
 - A network of connected local UHF repeaters
 - Currently 30 repeaters in the network
 - The network uses dedicated bandwidth
 - The network does not touch the internet
 - The network is made up of hardened microwave and fiber sites with automatic backup generators
 - The network is provided by the FDOT
 - Why is the FDOT helping hams?...It is the other way around.
 - The FDOT is using SARnet as a live-traffic test bed to investigate Radio over IP technologies

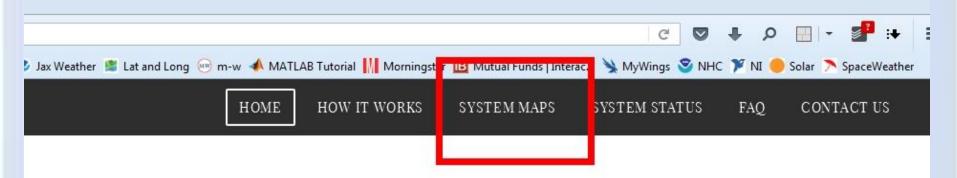
SARnet Network Simplified Diagram



Website: <u>www.sarnetfl.com</u>



- Website: <u>www.sarnetfl.com</u>
 - To see the SARnet Maps



Radio Networking in Florida

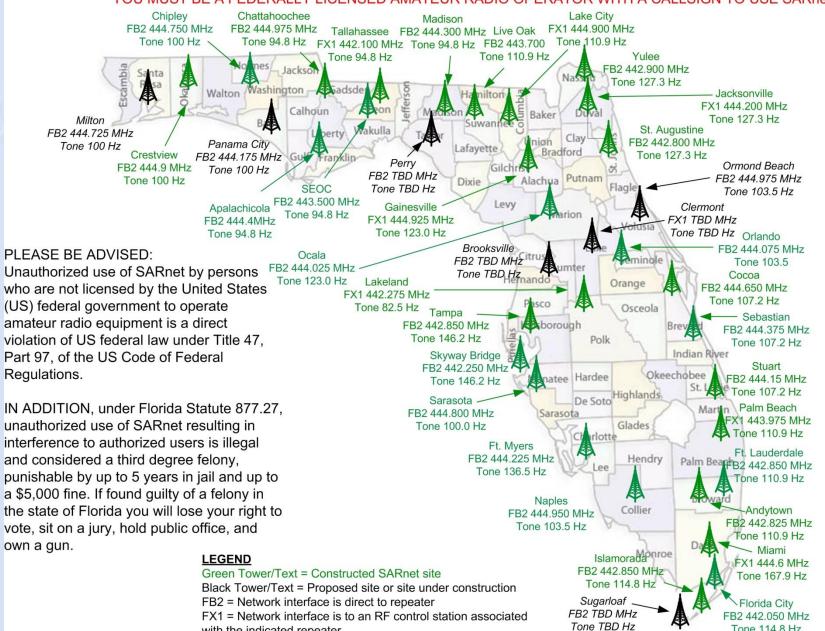
E ADVISED:

y the United States (US) federal government to operate amateur der Title 47, Part 97, of the US Code of Federal Regulations.

of SARnet resulting in interference to authorized users is illegal ars in jail and up to a \$5,000 fine. If found guilty of a felony in the . sit on a jury, hold public office, and own a gun.

Statewide Amateur Radio Network "SARNet" Constructed Sites as of January 27, 2017

YOU MUST BE A FEDERALLY LICENSED AMATEUR RADIO OPERATOR WITH A CALLSIGN TO USE SARnet

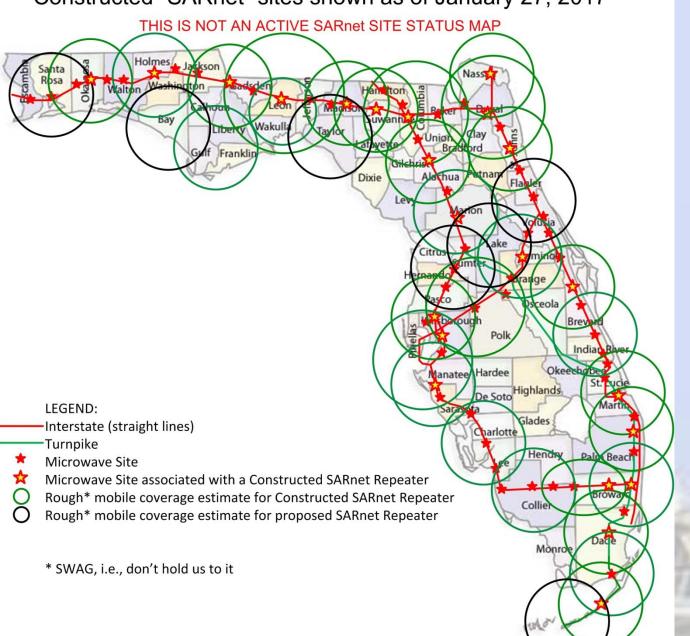


with the indicated repeater

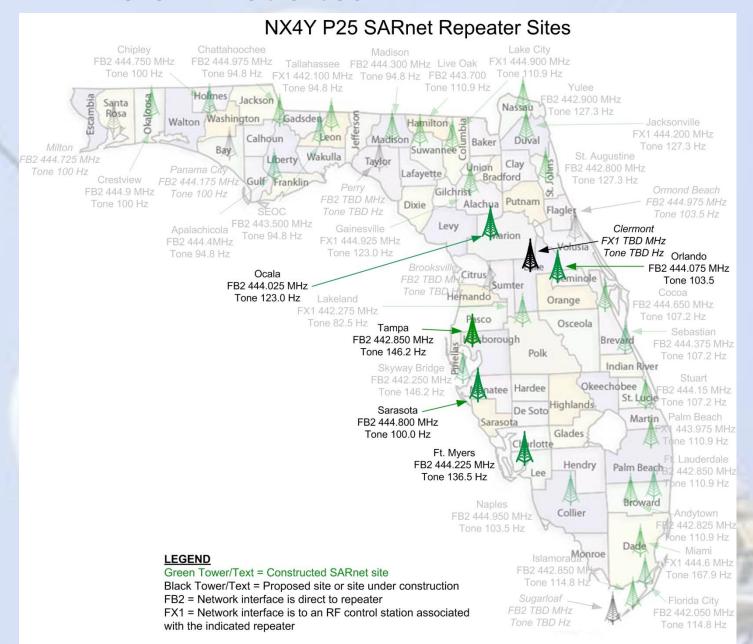
Tone 114.8 Hz

Statewide Microwave Network

Constructed "SARnet" sites shown as of January 27, 2017



NX4Y P25 SARnet Sites



- SARnet and EMCOM
 - State EOC has access to SARnet
 - Duval County EOC coordinates quarterly net
 - Schedule is on SARnet website
- Current Status and the Future
 - See the status page on the website for status
 - We are still building out the network ~ 7 sites left
 - FDOT continues to use SARnet for testing
 - Eventual transfer of custodianship to the EM community is possible
- Discussion?