

EmComm Communications Tools

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Objectives

Provide an introduction to tools used in amateur radio Emergency Communications

Demonstrate tools

Not In Scope

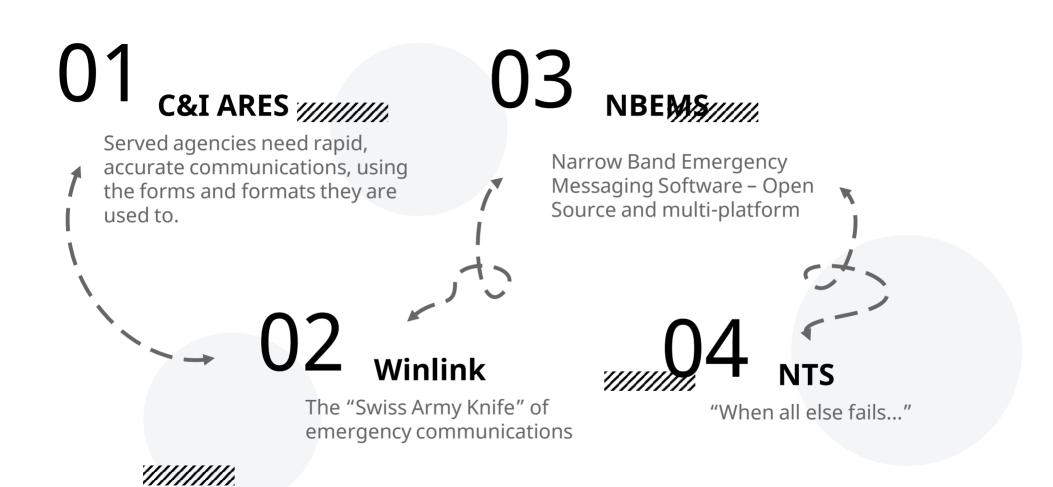
How to install, configure or troubleshoot

Demonstrate every feature

Outcome

Club members have a basic understanding of how Winlink, NBEMS and NTS are used by Cape & Islands ARES





Winlink Global Radio Email®

- Windows only (mostly)
- Email without Internet
- Lots of forms/templates
- Laptop + sound interface + radio
- Some infrastructure dependency



Illustrations by Pixeltrue on icons8





Narrow Band Emergency Messaging Software (NBEMS)

- Multi-platform (Windows/MacOS/Linux)
- · Based on fldigi
- Many, many forms/templates
- Laptop + sound interface + radio
- No infrastructure dependency



Illustrations by Pixeltrue on icons8





Winlink vs. NBEMS:

What Does Your Group and/or Served Agency Use?

NBEMS

NARROW BAND EMERGENCY MESSAGING SOFTWARE

- Uses the flxxxx (Fast Light) suite (fldigi et al.)
- Runs on multiple platforms
- Supports a wide variety of digital modes
- Contact many users simultaneously
- Access to ICS and ARC forms
- More flexibility means more training/less operator-friendly
- See <u>groups.io/g/nbems</u>

WINLINK

- Winlink or other specialized email client
- Windows only (mostly)
- Supports six digital modes
- Station to station(s), like email
- Access to ICS and ARC forms
- Easier to get started; harder to master
- See http://winlink.org



EmComm Tools



Winlink

Global Radio Email®
Thousands of forms
Peer-to-peer (radio-only)
possible



NBEMS

Multi-platform No dependence on Internet



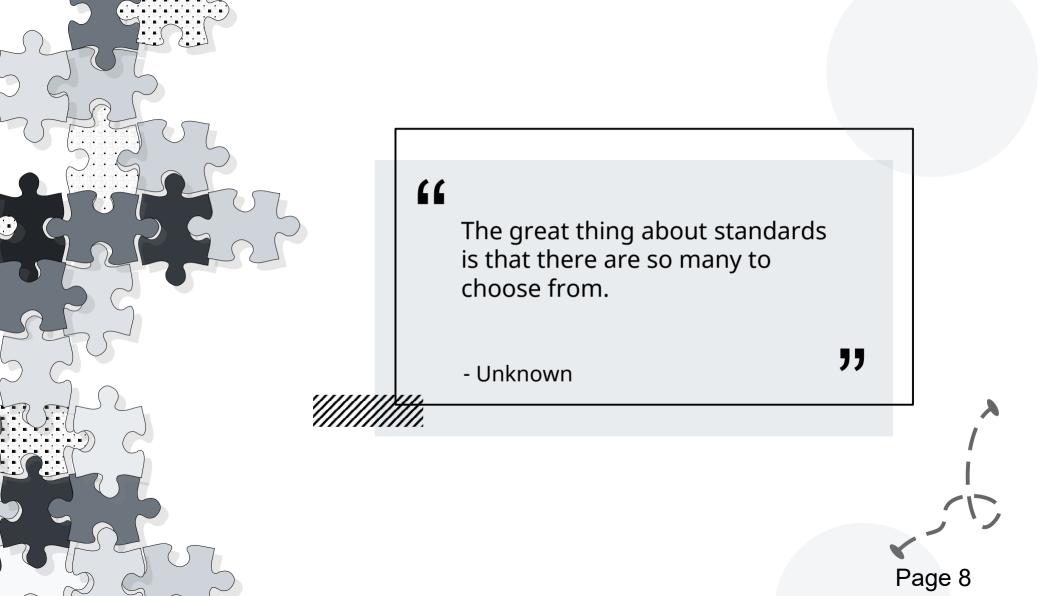
NTS

When all you have is a pencil, some paper, and an HT









References - Winlink

https://www.winlink.org/

Download software (Winlink, <u>VARA</u>, <u>Soundmodem</u>), documentation, help, and installation guides

Winlink Group on groups.io

Winlink Wednesdays and Winlink Thursdays

NE ARES Academy: https://www.youtube.com/watch?v=QzInfNyPPGU&t=2942s

2hr session covering almost everything, with live demos

Winlink Proficiency Goals: https://emcomm-training.org/Winlink-Proficiency-Goals-ETO-July-2021.pdf

ARES Emergency Communicator Individual Task Book: http://www.arrl.org/ares

YouTube – about a billion videos (some are current, some of the current ones are accurate)

Winlink intro with live demo for EMA ARES (W1LEM and WA3SWJ) https://youtu.be/Li0O8JaVe0g

References - NBEMS

https://sourceforge.net/projects/fldigi/

Download software (fldigi suite), documentation, help, and installation guides

NBEMS Group on groups.io

NBEMS nets (see panbems groups.io title page)

NE ARES Academy: https://www.youtube.com/watch?v=zRle1Ae2q30

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