

EMCOM Workshop YOTA 2016

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Possible setup of the workshop

- We can run one big workshop
 - Participants split into groups
 - Each group prepare a separate part (winlink, pactor, WLAN, echolink)
 - At the end we have a ready setup EMCOM unit
- We do several small workshops based on one topic each

Getting started with EMCOM

- Why we do it
- When we do it
- How we do it
- Examples from the past

Intro to the Winlink system

- Installation of RMS Express
- Configuration und customizing
- Setting up the transceiver and the pactor modem
- Send/Receive operation
- The "ALC"

Winmor

- An cheap alternative to pactor
- Interface setup
- Send/Receive Operation

APRS and EMCOM

- What can APRS do in EMCOM situations?
- Raspberry Pi for mobile gateway/repeater/message center and visualization
- Setting up the raspi
- Installing APRS sw
- Configuring the interface
- Which mode? (KISS/TARP)
- UPS for the setup

WLAN links and Hamnet

- Setting up HamNet
- Setting up an WLAN link based on UBNT or Microtik HW
- Setting up RMS express in HAMNET or any other IP based infrastructure

Why we should not forget 2m/70cm

- Local voice communication
- Echolink
- DMR
- Dstar
- APRS
- Crossband repeaters

Open discussion

- EMCOM modes pro & contra