

Riverside County Amateur Radio Association

Field Day 2019 Technology Plan

Published 6-18-2019

Field Day 2019 - Technology goals:

- ARRL Field Day contest logging will be recorded by volunteers using laptop computers
- Logging software selected is N1MM Logger+
- Logging records to be recorded on multiple (redundant) computers
- Score Board laptop to show and record live QSO results and help prevent duplications in QSO contacts

Progress

- In the May 09, 2019 RCARA meeting logging volunteer laptops were loaded with N1MM by Larry WA6PMY
- Fortinet FWG60D firewall has been procured and configured to provide an intranet of WiFi
 - SSID: W6TJ
 - Passwd: fieldday2019
 - DNS Domain: w6tj.local
 - Internet access is not a requirement for N1MM+ to work
 - N1MM requires NetBIOS discovery to find 'Master'
 - N1MM may require firewall modification to use network mode
 - N1MM will find 'Master' in a Private Network but not in Public Network
 - Records from ALL logging stations will be recorded on the Master Station and can be uploaded to ARRL for scoring.
 - Will need to add port 12060 to logger firewall exception.
- KM6KPW donating Dell Vostro 1500 laptop for use as Score-Board machine over Field Day.
 - New battery purchased for Dell Vostro procured – two hour runtime.
- Automotive battery and 120V inverter available for use.
 - 12V power pole buss bar and connectors purchased (Anderson Power Pole).

Page 2 contains a simple diagram for the Field Day Intranet.

Please feel free to comment on any item or make suggestions and additions.

Alan Serl / KM6KPW

Vice President / Webmaster

W6TJ - N1MM Scoreboard Intranet

Alan K. Serl | June 18, 2019



Logger #1
DHCP
Port 12060

Logger #2
DHCP
Port 12060

Logger #3
DHCP
Port 12060

Logger #4
Spare / Standby
DHCP
Port 12060



Score-board
192.168.6.254
Port 12060
DNS Server
scoreboard.w6tj.local

