

# 2016 Communications Outage Drill Summary

2 June 2016  
Jim Oberhofer KN6PE

Fxshwlr DUHVZUDFHV



# Communications Outage Exercise

Rain? What rain?

---





# Communications Outage Exercise

## Packet on Wheels



Fxshuwr DUHVZUDFHV





# Communications Outage Exercise

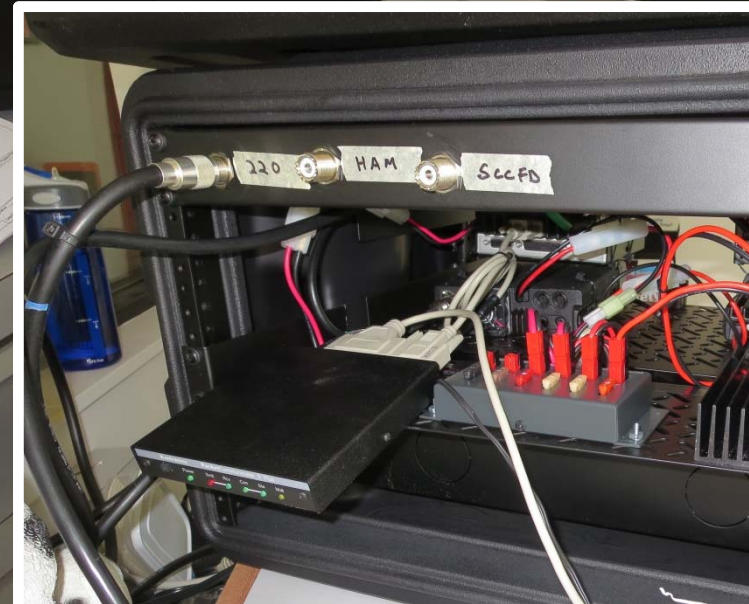
## Creative ground-plane





# Communications Outage Exercise

Always be prepared!



# Communications Outage Exercise

---

## Objectives

- |  |                          |
|--|--------------------------|
| 1. Exercise packet message passing procedures.   | <b>Passed!</b>           |
| 2. Exercise message passing and message net procedures   | <b>Passed!</b>           |
| 3. Exercise the amateur radio equipment and procedures at the SCC Fire Stations located in the City. | <b>Not yet confirmed</b> |
| 4. Exercise full end to end (Field to Dispatch) emergency message delivery.                          | <b>Needs Work</b>        |
| 5. Exercise Comm Van to DOC information handoffs.  | <b>Passed!</b>           |



# Communications Outage Exercise

## Feedback

---

### What worked

- Good W6TDM UHF repeater coverage.
- CARES/CERT Interactions & teamwork.
- Terrific Exercise; Great teamwork!
- Brought chairs and table, worked well. used the back of SUV as the work area.
- Personal packet kits worked great!
- Packet messaging was efficient.
- Rotated positions so everyone got a chance to work Packet.
- Went smooth, operated on battery.
- Very happy with the DOC message passing; 20 message passed.
- Ics213mm worked great by the DOC and RRO to directly exchange msgs.

### What needs improvement

- Difficulty setting up a field site due to lack of familiarity with the system.
- Packet antenna problem when located behind a building. Raised/moved the antenna to resolve the problem.
- Missing TNC power cable at Seven Springs, Cupertino Fire Stations.
- Field team was locked out of one fire station due to all fire crews on assignment.
- It was bright outside; could not see the laptop well.





# Communications Outage Exercise

## Corrective Action Plans

---

### 1. 911 Message Process

- |  |                     |
|--|---------------------|
| 1.1 Refine the Plan (Process, eqt, logistics, etc) | SCC RACES, Cty Comm |
| 1.2 Develop, deliver the training                  | SCC RACES? CARES?   |
| 1.3. Adjust Outpost App settings                   | CARES               |

### 2. Field Operations

- |   |            |
|---|------------|
| 2.1 Field equipment (sun shades, antennas, batteries) | CARES, CCC |
| 2.2 Forms, Go-Kits                                    | CARES      |
| 2.3 Packet Operations – Summer Packet Party           | CARES      |

### 3. Comm Van Operations

- |                                     |            |
|-------------------------------------|------------|
| 3.1 Network applications (continue) | CARES, DOC |
| 3.2 Application Enhancements        | CARES      |

### 4. SCCFD Operations

- |  |              |
|--|--------------|
| 4.1 Packet Kits (fix)                      | CARES        |
| 4.3 Monta Vista Station Buildout (fm 2015) | SCCFD, CARES |
| 4.4 Volunteer Program (fm 2015)            | SCCFD        |





# Questions

---

