| INCIDENT RADIO COMMUNICATIONS PLAN<br>Page 1 of 3 | 1. Incident Name<br>Simulated Emergency Test 2019<br>East Hawaii ARES District | 2. Date/Time Prepared<br>10/02/2019<br>1030 HST | 3. Operational Period Date/Time<br>10/5/2019<br>0900-1200 HST |
|---|---|---|---|

**4. Basic Radio Channel Usage:**

| Ch # | Function | Channel Name/Trunked Radio System Talkgroup | Assignment | RX Freq N or W | RX Tone/NAC | TX Freq N or W | Tx Tone/NAC | Mode A, D or M | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **AREA COMMS** | VHF 01 | Ainaloa/Pahoa | 147.52000 N | None | 147.52000 N | None | A | +Hawaiian Acers, WH6DVI |
| 2 | **TEAM COMMS** | UHF 01 | Ainaloa/Pahoa | 446.1000 N | None | 446.1000 N | None | A | +Hawaiian Acers |
| 3 | **AREA COMMS** | VHF 02 | Hawaiian Beaches | 147.5000 N | None | 147.5000 N | None | A | +Navawale, Kapoho, NH6ET |
| 4 | **TEAM COMMS** | UHF 02 | Hawaiian Beaches | 446.2000 N | None | 446.2000 N | None | A | +Navawale, Kapoho |
| 5 | **AREA COMMS** | VHF 03 | Hawaiian Paradise Park | 146.4000 N | None | 146.4000 N | None | A | +Orchidland, NH6OV |
| 6 | **TEAM COMMS** | UHF 03 | Hawaiian Paradise Park | 446.3000 N | None | 446.3000 N | None | A | +Orchidland |
| 7 | **AREA COMMS** | VHF 04 | Hilo | 146.4600 N | None | 146.4600 N | None | A | +North of Hilo to Pepeekeo, WH6FQI |
| 8 | **TEAM COMMS** | UHF 04 | Hilo | 446.4000 N | None | 446.4000 N | None | A | +North of Hilo to Pepeekeo |
| 9 | **AREA COMMS** | VHF 05 | Kea'au | 146.5800 N | None | 146.5800 N | None | A | +Kurtis Town, Mountain View, WH6FYK |
| 10 | **TEAM COMMS** | UHF 05 | Kea'au | 446.5000 N | None | 446.5000 N | None | A | +Kurtis Town, Mountain View |
| 11 | **AREA COMMS** | VHF 06 | Ninole | 147.4200 N | None | 147.4200 N | None | A | North of Pepeekeo, AH6V |
| 12 | **TEAM COMMS** | UHF 06 | Ninole | 446.6000 N | None | 446.6000 N | None | A | North of Pepeekeo |
| 13 | **AREA COMMS** | VHF 07 | Glenwood/Eden Roc | 147.4800 N | None | 147.4800 N | None | A | +Fern Acers, WH6FLH |
| 14 | **TEAM COMMS** | UHF 07 | Glenwood/Eden Roc | 446.7000 N | None | 446.7000 N | None | A | +Fern Acers |
| 15 | **AREA COMMS** | VHF 08 | Volcano | 147.5700 N | None | 147.5700 N | None | A | +Fern Forest, WH7BR |
| 16 | **TEAM COMMS** | UHF 08 | Volcano | 446.9500 N | None | 446.9500 N | None | A | +Fern Forest |

**5. Special Instructions:**

**Ch # 1, 3, 5, 7, 9, 11, 13, 15 are simplex VHF channels for local area communication from field teams/operators to base hub.**
**Ch # 2, 4, 6, 8, 10, 12, 14, 16 are simplex UHF channels for on-scene tactical communications. Hub operators may use cross band repeaters to extend coverage.**
**The convention calls for VHF/UHF frequency lists to show an "N" or a "W", depending on whether the frequency is narrow or wide band.**
**Mode refers to either "A" or "D" indicating analog or digital. Frequencies shown as programmed into a mobile or portable radio.**
**Cross band repeaters must be programmed with the Rx and Tx reversed.**

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|---|---|---|---|---|---|---|---|---|---|
| 17 | **ACS** | VHF 09 | ACS | 147.5400 N | | 147.5400 N | | A | |
| 18 | **General Info** | VHF 10 | Calling Freq. | 146.5200 W | | 146.5200 W | | A | Hubs will monitor & direct Stations to VHF frequency for their area. |
| 19 | **ACS** | ACS 40m | Hawaii County | 7.096.0 USB | | 7.096.0 USB | | M | Winlink Ctr: 7.097.5, KH7DQ |
| 20 | **ACS** | ACS-DM 40m | Hawaii County | 7.122.0 USB | | 7.122.0 USB | | D | Winlink Ctr: 7.123.5, WH6EPS |
| 21 | **ACS** | ACS 60m | Hawaii County | 5.403.5 USB | | 5.403.5 USB | | M | Winlink Ctr: 5.405.0, KH7DQ |
| 22 | **ACS** | ACS 80m | Hawaii County | 3.896.0 LSB | | 3.896.0 LSB | | A | |
| 23 | **ACS** | ACS-DM 80m | Hawaii County | 3.576.0 USB | | 3.576.0 USB | | D | Winlink Ctr: 3.577.5, KH7DQ |
| 24 | **ACS** | ACS 160m | Hawaii County | 1.896.0 LSB | | 1.896.0 LSB | | M | Winlink Ctr: 1.897.5, KH7DQ |
| 25 | **DEM** | DEM 40M | Oahu | 7.092.0 USB | | 7.092.0 USB | | M | |
| 26 | **DEM** | DEM 60M | Oahu | 5.330.5 USB | | 5.330.5 USB | | M | |
| 27 | **DEM** | DEM 80M | Oahu | 3.892.0 LSB | | 3.892.0 LSB | | A | |
| 28 | **DEM** | DEM-DM 80m | Oahu | 3.572.0 USB | | 3.572.0 USB | | D | |
| 29 | **DEM** | DEM 160m | Oahu | 1.892.0 LSB | | 1.892.0 LSB | | M | |
| 30 | **HealthComm** | HealthComm 40m | State wide | 7.080.0 USB | | 7.080.0 USB | | M | Winlink Ctr: 7.081.5, KH6DQ |
| 31 | **HealthComm** | HealthComm 60m | State wide | 5.371.5 USB | | 5.371.5 USB | | M | Winlink Ctr: 5.373.0, KH6DQ |
| 32 | **HealthComm** | HealthComm 80m | State wide | 3.880.0 LSB | | 3.880.0 LSB | | A | |

**5. Special Instructions:**

**Hub Stations will also monitor Ch. 18 (National Calling Frequency) and direct stations who wish to participate in SET to appropriate VHF Frequency.**
**Hub stations must primarily monitor the frequency ACS is using, unless actively passing traffic on another frequency. Use dual watch feature if available on HF.**
**In Winlink software, be sure to set the center frequency. (1.5 KHz above Dial). Use Winlink.org station callsign database if using RMS gateway.**
**Ch # 20 is a Backup/Relay Channel for Winlink traffic to ACS. Use when ACS NCS is not accepting Winlink traffic on Ch #19.**

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|---|---|---|---|---|---|---|---|---|---|
| 33 | **HealthComm** | HealthComm-DM | State wide | 3560.0 USB | | 3560.0 USB | | D | Winlink Ctr: 3.561.5, KH6DQ |
| 34 | **HealthComm** | HealthComm 160r | State wide | 1.880.0 LSB | | 1.880.0 LSB | | M | Winlink Ctr: 1.881.5, KH6DQ |
| 35 | **Hi-EMA** | Hi EMA 40m | Maui/Kauai | 7.088.0 USB | | 7.088.0 USB | | M | |
| 36 | **Hi-EMA** | Hi EMA 60m | Maui/Kauai | 5.357.0 USB | | 5.357.0 USB | | M | |
| 37 | **Hi-EMA** | Hi EMA 80m | Maui/Kauai | 3.888.0 LSB | | 3.888.0 LSB | | A | |
| 38 | **Hi-EMA** | Hi EMA 160m | Maui/Kauai | 1.888.0 LSB | | 1.888.0 LSB | | M | |
| 39 | **Hub2Hub Relay** | ARES 20m | Hawaii County | 14.258 USB | | 14.258 USB | | A | Relay to East Hawaii when 40/80m NVIS Fails. |
| 40 | **Hub2Hub Relay** | ARES 30m | Hawaii County | 10.145 USB | | 10.145 USB | | D | Relay to East Hawaii Winlink Ctr:10.146.5 VARA |
| 41 | **Hub2Hub Relay** | ARES 40m | State wide | 7.188.0 LSB | | 7.188.0 LSB | | A | |
| 42 | **Hub2Hub Relay** | ARES 80m | State wide | 3.900.0 LSB | | 3.900.0 LSB | | A | |
| 43 | **Skywarn** | SkyWarn 40m | State wide | 7.084.0 LSB | | 7.084.0 LSB | | M | Winlink Ctr: 7.085.5 ARDOP, KH6DL |
| 44 | **Skywarn** | SkyWarn 60m | State wide | 5.346.5 USB | | 5.346.5 USB | | M | Winlink Ctr: 5.348.0 ARDOP, KH6DL |
| 45 | **Skywarn** | SkyWarn 80m | State wide | 3.884.0 LSB | | 3.884.0 LSB | | A | |
| 46 | **Skywarn** | SkyWarn-DM 80m | State wide | 3.564.0 USB | | 3.564.0 USB | | D | Winlink Ctr: 3.565.5 ARDOP, KH6DL |
| 47 | **Skywarn** | SkyWarn 160m | State wide | 1.884.0 LSB | | 1.884.0 LSB | | M | Winlink Ctr: 1.885.5 ARDOP, KH6DL |
| | | | | | | | | | |

**5. Special Instructions:**

**Hub stations must primarily monitor the frequency ACS is using, unless actively passing traffic on another frequency. Use dual watch feature if available on HF.**
**Ch 38, 39 will be monitored by hubs on a secondary basis, provided that the hub has dual watch capability on HF.**
**Ch 40, 41 are only used after requesting station arranges for relay via. Voice.**
**In Winlink software, be sure to set the center frequency. (1.5 Khz above Dial). Use Winlink.org station callsign database if using RMS gateway.**
**Mode refers to either "A" or "D" indicating analog or digital (FLDIGI/WinLink, Etc.) or "M" indicating mixed mode.**

**6. Prepared By (Communications Unit)**