

**Legend:**

- X = Required (must have in kit at all times)
- R = Recommended (likely useful on many assignments)
- O = Optional (useful on some assignments)

## 2-Hour Carry Kit

**Purpose:** To be kept nearby at all times for immediate (within minutes) communication of damage reports during Resource Net Level 1 ops. Also used to remain in contact with Resource Net Level 2 while returning home to retrieve 12-hour Go-Kit.

**Items:**

- X 2m/70cm dual-band radio
  - HT recommended (min. 5W on 12V/2.5W on batt)
  - Mobile 25W optional (if vehicle will not be far away)
  - Programmed with Resource Net frequencies
- X Charged batteries for 2-3 hours operation
- X 2m/70cm dual-band mobile antenna (mag mount, window mount or existing mobile antenna)
- X Current SCCo Voice Frequency List
- X Modified Mercalli (Mike-Mike) scale
- X Notepad / pens
- R Cigarette lighter adapter for HT
- R Emergency county and city telephone contact list
- R Cell phone
- R Water (16 oz.)

## 12-Hour Go Kit

**Purpose:** For fully independent operation; unknown environment (heat, cold, wind, rain); unknown time (day, night, up to 12 hours). Return home to retrieve.

**Equipment**

**Portable Radio Equipment:**

- X 2m/70cm dual-band handie-talkie (HT)
  - Minimum 5W on 12V/2.5W on batteries [Note 1]
  - Dual-receive recommended
- X Radio user manual or cheat sheet
- X Earbud or headphones minimum; headset, earbud/mic, or speaker/mic/earbud, or similar recommended
- X Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
- X Power cord adapters – connect HT to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- X Spare fuses
- X Coax adapter: connect HT to coax
- X Min. 25 feet of 50 Ohm coaxial cable

- R Small backpack, vest, chest harness or other similar method for carrying HT while operating portable

**Mobile or Stationary Radio Equipment:**

- R 2m/70cm mobile radio (separate/removable from vehicle)
  - 25W minimum
  - Dual-receive, cross-band repeat
- R Radio user manual or cheat sheet
- R Headset (stereo recommended for VFO per ear) w/ inline, handswitch or footswitch PTT
- R Battery for 12-hours operation (20 Ah min.; 26 Ah rec.)
- R Power cord adapters – connect mobile to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- R Powerpole splitter or fused distribution panel
- R Spare fuses
- R Coax adapter: connect mobile radio to coax
- R Min. 25 add'l feet of 50 Ohm coaxial cable w/barrel conn.
- R Extension cord, 3-wire, 3-6 ft., multi-outlet
- O Extension cord, 3-wire, 50-100 ft.

**Antennas:**

- X Coax adapters: connect coax to existing antenna jack:
  - BNC plug (male) & BNC socket (female)
  - UHF plug (PL-259) & UHF socket (SO-239)
  - N-type plug (male) and N-type socket (female)
- X 2m/70cm dual-band magnetic or window mount antenna
- R 2m/70cm high gain HT antenna
- R 2m/70cm dual-band portable base antenna (e.g. roll-up J-pole or other)
- R Portable mast (elevates antenna base min. 10 ft.)
- R Tripod or other self-supporting base for mast plus weights
- R Window clip antenna mount (for non-metallic vehicles)

**Packet Equipment: (required if a P2)**

- O Laptop with current Outpost and PackItForms installed
- O USB flash drive (i.e. USB key) with software
- O TNC (may be hardware, software or built into radio)
- O Cables: TNC to radio; TNC to PC
- O Shade cover for display
- O Portable printer
- O Entire station can operate for min. 1 hr on battery

**Other Communications Gear:**

- R Cell phone & charger and/or cigarette lighter adapt.
- O FRS/GMRS Radio
- O Satellite phone

**Tools:**

- R Duct tape
- R Electrical tape
- R Nylon Tie-Wraps/wire ties
- R Utility knife
- R Small multi-tool or tool kit

- Volt-Ohm meter
- SWR/Power meter

**Operating Position:**

- Sign(s) for operating position
- Lighting for operating position
- Rope or Dacron cord (50')
- Folding chair
- Magnetic sign for car
- Folding table
- Pop-up Canopy plus weights
- Tarp (8' by 8' or larger)
- Folding cart, dolly, hand truck to move equipment
- Safety strobes or flares
- Caution/flagging tape (to mark cables, guy ropes, ...)
- Safety cones (to mark cable, tripod, ...)

**Documentation**

**Identification:**

- CA Driver's license or CA-issued ID card
- Amateur Radio license
- County Emergency Responder ID card (DSW Card)
- If issued: SCCo ID badge, city badge, Credential Qual card

**Maps:**

- Paper or offline maps covering all Santa Clara Co. [Note 3]
- Compass or GPS
- Maps of antenna locations (if available)
- City, county or other detail maps

**Forms and Documentation:**

- Modified Mercalli (Mike-Mike) scale
- Mike-Mike-Summary Form (min 2)
- RACES Recommended Form Routing Cheat Sheet (min. 2)
- RACES Radio Routing Slip (min. 5)
- ICS 205-SCCo – Communications Plan (min. 5)
- ICS 211A-SCCo – Communications Check-In (min. 5)
- ICS 213-SCCo – Message (min. 10)
- SCCo EOC 213RR Resource Request (min. 5)
- ICS 214-SCCo – Unit Activity Log (min. 5)
- ICS 309-SCCo – Communications Log (min. 5)
- ICS 314-SCCo – Windshield Survey (min. 5)
- SCCo OA Jurisdictional Status (min. 3)
- SCCo OA Shelter Status (min. 3)
- SCCo Allied Health Facility Status (min. 3)
- Phone message pad (2-part style recommended)
- County Performance Standards (**Required for Cred. Oper.**)

**Logging / Note taking:**

- Clipboard (covered type recommended)
- Notepads (standard or waterproof)
- At least 2 pens
- Highlighters / felt-tip pens

**Contact Lists:**

- SCCo Voice and Packet Frequency Lists

- DEC/ADEC and city EC telephone contact list
- Police/Fire direct dial phone numbers
- Repeater directory

**Personal Gear**

**Vehicle:**

- Reliable operating condition
- Fueled – minimum ½ full at all times, or 100+ miles for EVs
- Jumper cables or portable jump starter battery pack

**General Items:**

- Money (paper and coin) – in case ATMs are down
- Watch or clock
- Trash bags

**Personal Safety Gear:**

- Flashlight or headlamp and spare batteries for 12 hours
- Safety vest, ANSI Class 2, safety yellow/lime yellow
- Whistle
- Work gloves
- Sunglasses
- Sunscreen lotion
- Insect Repellent
- Safety glasses
- Mask (NIOSH-certified N95 or better)
- Hearing protection (e.g. foam ear plugs)
- Hard hat (lime yellow recommended)
- Chemical light sticks

**Clothing:**

- Sturdy, closed-toe shoes (no sandals)
- Long pants (no shorts)
- Hat (broad brim recommended)
- Seasonal jacket / rain gear

**Food & Water:**

- Food for 12 hours (make your own list)
- Water for 12 hours (3-4 quarts recommended)
- Small cooler or ice chest

**Toiletries and Personal Items:**

- Personal First Aid kit
- Hand soap and/or sanitizer
- Pain Reliever of choice
- Antacid tablets
- Prescription medication
- List of medication used
- Eyeglasses & spare

**Miscellaneous**

- Portable AM radio and spare batteries
- Binoculars
- Baggies to seal/protect items
- Shovel
- Fire extinguisher

## Extended Go Kit

**Purpose:** Additional items for fully independent operation over an extended period of time. Used in situations where returning home after shift is not possible or not ideal.

### As Needed or Required

#### Power Source:

- Regulated DC power supply
- Battery charger
- Spare batteries (for charging while operating)
- 12 VDC -to- 120 VAC Power Inverter
- Solar power system
- Portable generator, and fuel, drip pan, & ABC rated fire ext.

#### Clothing:

- Rain gear
- Jacket
- Warm clothing (preferably in layers)
- Under garments (3 sets)
- Socks (3 sets)
- Pants (3)
- Belt
- Shirts (3)
- Alternate boots or shoes
- Sleepwear
- Cold water laundry soap

#### Food and Water:

- MREs (self-heating) or other non-perishable meals
- Water (1 gal/day recommended, depending on conditions)
- Water purification tablets or devices
- Can opener
- Cooler or ice chest
- Bowl and eating utensils
- Coffee cup

#### Shower Items:

- Washcloth and towel
- Soap and shampoo
- Razor and shaving cream
- Toothbrush and toothpaste
- Comb and/or brush
- Deodorant/antiperspirant
- Wash basin (in case of no sink)

#### Shelter:

- Sleeping pad
- Sleeping bag/blanket
- Pillow
- Blanket
- Tent

- Alarm clock

## Personal Go Kit Items/Notes:

## Notes:

1. Most recently manufactured hand-held radios ARE capable of 5W output when 12-13.8 VDC is connected to the DC-IN jack and at least 2.5W output power using rechargeable battery packs. Check your radio's user manual to be sure your radio outputs at least 2.5W on rechargeable batteries. However, most hand-held radios are NOT capable of producing a minimum of 2.5W output power using AA batteries. Some known exceptions are the Kenwood TH-D7 and the Yaesu FT-60. For all other radios, rechargeable battery packs will be needed unless the radio can be shown to have a minimum of 2.5W output on AA batteries (check user manual or test with power meter).
2. A review of the most popular handheld radios was conducted. Receive current, transmit current and rechargeable battery pack capacity were reviewed. 3000 mAh was determined to be the minimum capacity needed for 12 hours of operation. (Some radios may require a little more). Depending on the make and model, this translates to 2 or 3 rechargeable battery packs. This minimum requirement correlates well with real-world experience in drills and real incidents such as Katrina.
3. Maps must cover the entire Santa Clara County. Offline maps must be usable indoors and without connectivity to any type of network and must have sufficient power for 12 hours. If using maps on your cell phone, they must be useable when in airplane mode.
4. Word only allows the change bars to be on the left or right side of the page. For documents with columns (like this document), it will not put the change bar to the side of the correct column. So, any change bar you see might be for the left or right column; don't assume it is for the right column where it is printed.