Legend:

X = Required for ALL operators (must have in kit at all times)
Xn = Required for ALL Credential Type n operators
Sn = Required for Shadow, Pn = Required for Packet
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 of 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
- X SCCo ARES/RACES Contact List
- R Cigarette lighter adapter for HT
- 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,
- S2 A second HT is required
- 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 (verify types needed for your devices)
- X Coax adapter: connect HT to coax
- X Min. 25 feet of 50 Ohm coaxial cable
- S3 Small backpack, vest, chest harness or other similar method for carrying HT while operating portable

Mobile or Stationary Radio Equipment:

- X2 2m/70cm mobile radio (separate/removable from vehicle)
  - Programmed with SCC Voice and BBS frequencies
  - 25W minimum
  - Dual-receive, cross-band repeat capable
  - RF Safety Evaluation Record
- X2 Radio user manual or cheat sheet
- X2 Headset (stereo recommended for VFO per ear) w/ inline, hand switch or footswitch PTT
- X2 Battery for 12-hours operation (20 Ah min.; 26 Ah rec.)
- X2 Power cord adapters – connect mobile to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- X2 Powerpole splitter or fused distribution panel
- X2 Spare fuses
- X2 Coax adapter: connect the mobile radio to coax
- X2 Min. 25 add'l feet of 50 Ohm coaxial cable w/barrel conn.
- X2 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 clip mount ant.
- X2 2m/70cm high-gain HT antenna
- X2 2m/70cm dual-band portable base antenna (e.g. roll-up J-pole or other)
- X2 Portable mast (elevates antenna base min. 10 ft.)
- X2 Tripod or other self-supporting base for mast plus weights

Packet Equipment:

- P2 Laptop with current Outpost and PackItForms installed
- P2 USB flash drive (i.e. USB key) with software
- P2 TNC (may be hardware, software or built into the radio)
- P2 Cables: TNC to radio; TNC to PC
- O Shade cover for display
- R Portable printer
- P2 Entire station can operate for min. 1 hr on battery

Other Communications Gear:

- R Cell phone & charger and/or cigarette lighter adapter.
- 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
O Volt-Ohm meter
O SWR/Power meter

Operating Position:

X Sign(s) for operating position
X2 Lighting for operating position
R Rope or Dacron cord (50')
O Magnetic sign for car
X2 Folding table and chair(s)
X2 Pop-up Canopy plus weights
O Tarp (8' by 8' or larger)
X2 Folding cart, dolly, hand truck to move equipment
O Safety strobes or flares
R Caution/flagging tape (to mark cables, guy ropes, RF, …)
X2 Safety cones (to mark cable, tripod, …)

Documentation

Identification:

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

Maps:

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

Forms and Documentation: (forms printed single-sided)

X All forms listed on the website Go-Kit forms list. https://www.scc-ares-races.org/operations/forms/go-kit
X Modified Mercalli (Mike-Mike) scale
X Mike-Mike-Summary Form (min 2)
X Phone message pad (2-part style recommended)
R County Performance Standards (**Required for Cred. Oper**.)

Logging / Note-taking:

X Clipboard (covered type recommended)
X Notepads (standard or waterproof)
X At least 2 pens (blue or black ink)
O Highlighters / felt-tip pens

Contact Lists:

X SCCo Voice and Packet Frequency Lists
X SCCo ARES/RACES Contact List (includes DEC/ADEC/EC contact, and city police & fire direct dial phone numbers)
O Repeater directory

Personal Gear

Vehicle:

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

General Items:

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

Personal Safety Gear:

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

Clothing:

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

Food & Water:

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

Toiletries and Personal Items:

R Personal First Aid kit
R Hand soap and/or sanitizer
O Pain Reliever of choice
O Antacid tablets
O Prescription medication
O List of medications used
O Eyeglasses & spare
O Eye Contact cleaner/storage if appropriate

Miscellaneous

O Portable AM radio and spare batteries
O Binoculars
O Baggies to seal/protect items
O Shovel
O Fire Extinguisher (required if using a generator)

Position Specific

Type 1 Credential Holders

X1 Regional Voice, Packet Frequency, and BBS Lists

Type 1 and Leadership roles (DEC/ADEC/EC/AEC)

X1 DSW Documents and Forms listed under DSW Claims at https://www.scc-ares-races.org/about/dsw

All Hospital Operators

X Hospital BBS Assignments/Tactical Calls

Extended Go Kit

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

As Needed or Required	
Power Source:	
X1	Regulated DC power supply for mobile radio equipment
X1	Battery charger for your extended operating equipment
-	Spare batteries (for charging while operating)
-	12 VDC - to - 120 VAC Power Inverter
X1	Solar power system or Portable generator with 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 you use maps on your cell phone, they must be usable when in airplane mode.

4. Anything marked as required for a specific Credential should be considered as recommended for all other operators. I.E., an item marked S2 is required for a Shadow Type 2 Credential, but is only recommended for all Type 3 Shadows. An item marked X2 is required for all Type 2 Credentials, but is only recommended for Type 3.

5. Items shown in red ink are changes from the previous version.