LARG Field Day Safety Checklist – 2022

[Version 0.9 - 22 June 2022]

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BACKGROUND:

- This checklist provides reminders and handy guidance for ensuring a safe LARG FD event!
- Please read & heed!
- Bonus!! ARRL awards LARG 100 points for active Safety Officers, from beginning to end!
- Also, this list supports completion of the official ARRL FD SO Checklist, which will be included with the LARG FD documentation. >> Safety & 100 points!! :-)

PRINCIPLES:

- *Everybody* at the LARG FD is responsible for *staying alert* and *ensuring safety*, for themselves, their family and friends, and any visitors and guests.
- The Safety Officer Team plans to cruise during the event and will be there to assist and advise.
- If you spot a hazard, please *fix it* fast, if you can! If you need help, please ask! Plus *advise us*?
- Your diligence and constructive suggestions are always welcome!
- And please help us improve this checklist, and be safer in the future, too!

REFERENCES:

- Based on the ARRL Field Day Safety Officer Checklist 2017 v2.
  (*Required* elements *plus essential upgrades* are highlighted in YELLOW).

SAFETY RESOURCES (&Sources):

- **The Guidance:** *This* LARG Field Day Safety Officer Checklist (free copies for everyone!).
- **Contacts:** Lists of *LARG participants* Safety Support Personnel, including Safety Officers, persons trained/experienced in First Aid, CPR, AED, plus (hopefully) First Responders, Advance Life Support, Fire Fighters, as available. (See *LARG Safety Skill Sign-up List*)
- **Medical:** First Aid Kit(s), CPR & AED (if able?) gear, sun burn, insect sting, water, ice & ziplock bags, etc. FA, Medical & First Responders. (Multiple sources) [WANT to borrow AED!]
- **Public Safety:** Land-line & cellphones, plus contact information for calling EOC (911) & guiding fire/rescue/police. (Multiple sources. Read info below in Safety Checklist)
- **Operational Safety:** Fire Extinguishers, grounding & bonding systems, barrier & flagging tapes, gloves & helmets (for towers), headlamps & flashlights (night), etc. (Multiple sources)
- **Weather:** NWS weather alert receiver.
- **Comms:** On Duty Safety Officer cellphone. (See SO List – Each BYO Cellphone)

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1	***Fuel for generator properly stored.*** (See also 1G-Generators & 2-Extinguishers.) • Use only *marked* & *fuel-approved* containers, preferably with *automatic shutoff spouts* (spring loaded). • Locate fuels *upwind* of generators, *toward* but *downwind* of Stations, and well *away* from people, facilities and flammable materials. • With barrier or flagging tapes, establish a *clearly marked* "*fuel zone*". • A non-flammable sun & weather *shelter* is good. • Keep *fire extinguisher* near the *Station* (*not* the fuel!) and *upwind!*							
1G	***Generators & Electric Power Distribution.*** [Added] (See also 1-Fuels & 2-Extinguishers.) • Locate generators well *downwind* of both fuels and Stations (and fire extinguishers!), and well *away* from people, facilities and flammable materials, preferably at *distant end* of long cords. • With barrier or flagging tapes, establish a *clearly marked* "*generator zone*". • A non-flammable sun and weather *shelter* is good, especially as a *noise barrier*. • For safety, generators are *isolated* & *not grounded*. • Extension cords are *wrapped low* and *anchored* at generator, then *looped* into sockets, for strain relief and continuity. • Gather & *route* cables *neatly*, well away from people movement lanes & areas, & *clearly mark* with parallel *barrier* or frequent *flagging* tapes. • Include *circuit breaker* power strips. • *Surge arrestors*, and especially *GFCIs* are better!							
2	***Fire extinguisher on hand and appropriately located.*** (See also 1-Fuels & 1G-Generators) • Use only UL *approved* fire extinguishers.							

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	• Minimum: 2 pound Type BC (or ABC?) *dry chemical*. • Better! 5 pound Type BC *carbon dioxide* (CO2). • Keep *fire extinguisher* near the *Station* (*not* the fuel!). • Remember, keep extinguishers *upwind* of fuels and generators! (Note – Most "dry chemical" units are OK for *fuels & generators*. But **A**BC types typically use *mono-ammonium phosphate*, which is very *corrosive* and will *destroy* your electronics!! For your precious Ham gear, get a *less* corrosive *BC* sodium-bicarbonate, or best a BC *non-corrosive* "Purple K" or CO2 unit.)							
3	***First Aid kit on hand.*** (See also 4, 11, 12) • The designated *First Aid Station* is the *Food Tent*. • Only *basic gear* includes a First Aid Kit, plus (as *available*) modest support (cots, chairs & tables, shade & shelter, water & snacks, etc). • If feasible, additional gear & skills (CPR, AED, BLS, ALS…) will be provided or available on site. • The FA Station is staffed "*On Call*" as needed. • For *true emergencies, dial 911*. (See 11 & 12 below.)							
4	***First Aid, CPR and AED trained participants on site for full Field Day period.*** (See also 3, 11, 12) • See Personnel Roster for FA & Medical skills & gear. • Expect most FA, Medical & First Responders in LARG to be Hams dispersed on site and busy making contacts! • The FA Station is staffed "*On Call*" as needed. • Skills include only *Basic First Aid*, plus CPR & AED if possible. • If feasible, additional gear & skills (CPR, AED, BLS, ALS…) will be provided or available on site. • For *true emergencies, dial 911*. (See 11 & 12 below.)							
5	***Access to NWS alerts to monitor for inclement weather.*** • Foul *weather* events, especially *thunderstorms*, are of great concern and must be *expected* and *planned*. • An NWS *Weather Alert* Receiver will be stationed at the *Food Tent*, or GOTA or other continuously manned location.							

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	• In event of a local *Alert*, *whomever* hears it should Please take *notes* of the *incident & times*, and *promptly* contact the SO. • And if necessary *advise and warn* all Stations and personnel on site. • All personnel on site should pragmatically and promptly protect themselves, plus their Stations & gear. (See 10 below)							
6	***Tent stakes properly installed and marked.*** (See also 7, 8, 9) • Locate Stations & tents within easy *view* and *close* & *safe access* from people movement lanes & areas. • [LARG] Tents and guy wires *must* be located at least *ten feet* away from any permanent structure. • Stakes & guy lines must be *clearly marked* with parallel *barrier* or frequent *flagging* tapes. • Include all *stakes*, plus along *lines* to at least *6 feet up*.							
7	***Temporary antenna structures properly secured and marked.*** (See also 6, 8, 9) • Locate antenna masts & towers *near* their Stations, but well *away* from people movement lanes & areas. • [LARG] Masts, towers, and guy wires *must* be located at least *ten feet* away from any permanent structure. • [LARG] AB577 telescoping towers are great but *hazardous*! *Must* have and *follow* the manual and LARG AB577 *checklist*. • Ensure all masts & towers are solidly *anchored* at *base(s)*, plus stakes & lines, to ensure structural strength & integrity, especially during *winds* and *storms*. • Mast & tower *telescoping mechanisms* must be *locked/secured* to prevent unintentional collapse or retraction. • Plus, *trailer* mounted masts & towers must also be *anchored* and/or *wheels chocked*. • Need we say it? There are ***NO*** *tower climbing* during FD operations! • Stakes & guy lines must be *clearly marked* with parallel *barrier* or frequent *flagging* tapes. • Include all *stakes*, plus along *lines* to at least *6 feet up*.							

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	• With barrier or flagging tapes, establish a *clearly marked* "*tower zone*". • Gather & *route* cables *neatly*, well *away* from people movement lanes & areas, & *clearly mark* with parallel *barrier* or frequent *flagging* tapes.							
8	***Site secured from tripping hazards.*** (See also 6, 7, 9) • Especially consider *visibility* in weather or darkness! • *Relocate* and/or *prevent* placement of any *objects* or *tripping hazards* within or near people movement lanes or areas. • If feasible, *clearly mark* any hazards, or at least key portions, with barrier & flagging tapes, traffic cones, parked vehicles, or other means. • Stakes & guy lines must be *clearly marked* with parallel *barrier* or frequent *flagging* tapes. • Include all *stakes*, plus along *lines* to at least *6 feet up*. • Gather & *route* cables *neatly*, well *away* from people movement lanes & areas, & *clearly mark* with parallel *barrier* or frequent *flagging* tapes. • With barrier or flagging tapes, establish *clearly marked* fuel, generator, and tower "*zones*", well *away* from people movement lanes & areas.							
9	***Site is set up in a neat and orderly manner to reduce hazards.*** (See also 6, 7, 8) • Locate Stations & tents within easy *view* and *close* & *safe access* from people movement lanes & areas. • [LARG] Masts, towers, tents & guy wires *must* be located at least *ten feet* away from any permanent structure. • Assess likely *routes* and *flows* of persons within the FD site, including Stations, Food & GOTA, parking, etc. • Include LARG & *experienced* persons, visitors and *inexperienced* persons, and especially *children*. • Especially consider *visibility* in weather or darkness! • As suitable, establish *recommended lanes or areas* along the driveway, to the Stations & Food & GOTA, etc. • *Relocate* and/or *prevent* placement of any *objects* or *tripping hazards* within or near these people movement lanes or areas.							

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10	***Stations and equipment properly grounded.*** • Use a *ground stake* as each station's *single point* ground. • *Connect major gear* (transceivers, amplifiers, power supplies, surge arrestors for antenna cables or power, etc). Use *heavy braid or wire*. • In event of nearby *thunderstorms*, *disconnect* antenna cables from radios & gear and *set aside*. (See 5 above) • Likewise *disconnect* long *power cables* from gear, too. • If able, *protect* connectors with zip-lock bags & tape. • *Shut down* radios & gear. • *Protect* your Team and take *shelter*. Houses & cars are good!							
11	***Access to means to contact police/fire/rescue if needed.*** (See also 3, 4, 12) • ***EMERGENCY*** **– Dial** ***911***. • ***Non*** Emergency – **703-777-1022** • ***Location***: 44045 Riverside Pkwy, Leesburg, VA 20176 • ***Directions***: In the SOUTH parking lot of INOVA LOUDOUN HOSPITAL. • If you need Fire & Rescue fast, *call them*! • And Please call the SO soonest, if not before? • Be *sure* that SO or somebody *meets* the Responders when they arrive at the corner at the road, and *directs* them to the incident or patient! • Have somebody take *notes & times*, too. • *First & top priority – ensure patients are treated*!!							

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12	***Safety Officer is designated point of contact for public safety officials.*** (See also 3, 4, 11, 14) • See Personnel Roster for Safety Officers & duty times. • The Safety Officers plan to meet with any Public Safety personnel, in event of any incident, and also to welcome them to the FD activities. • In event of an incident, the SO may *request your assistance* to guide or assist First Responders, etc.							
13	***Minimize risks and control hazards to ensure no injuries to public.*** • A preliminary informal Risk Assessment has been conducted, based on previous events, plus inputs from several experienced participants. • Most issues are already included in and addressed by this checklist. • All personnel are urged to make suitable observations, and contribute constructive suggestions, to improve FD safety!							
14	***Safety Officer or a qualified designated assistant was on site for the duration of the event.*** (See also 12) • See Personnel Roster for Safety Officers & duty times. • Lead SO: Rob Carnaroli, KC3SWZ, 302-562-3604 • Asst. SOr: Bryan Schneiders, K1NSA, 571-992-6600 • SO Coordinator: Chris Fristad, KT9N, 540-229-0473							
15	***As necessary, monitoring participants for hydration and ensures an adequate water supply is available.*** • Water is available at the *Food Tent*, including bottles. • All personnel are *responsible* for their own welfare, including safety, water & food, personal protection & gear.... • Station operators should *monitor* their Team, especially during those intense contact QSO runs!							
16	***Documentation.*** [Added] • Everybody! Please take *photos* & *notes* of not only safety issues, but also good ideas and solutions for operations, training & publicity!							

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