Loudoun Amateur Radio Group
Field Day 2024 Operations Plan

Jun 24

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Background

Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933 and remains the most popular events in ham radio.

Objectives

To contact as many stations as possible on the 160, 80, 40, 20,15 and 10 Meter HF bands, as well as all bands 50 MHz and above, and to learn to operate in abnormal situations in less than optimal conditions.

Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit but are not eligible to submit entries.

Each claimed contact must include contemporaneous direct initiation by the operator on both sides of the contact. Initiation of a contact may be either locally or by remote.

Official field day rules and resources can be found here: http://www.arrl.org/field-day#rules

General Info

LARG will operate a Class 3A amateur radio station for Field Day from the Western (Round Hill) Sheriff's Station at 47 W Loudoun St, Round Hill, VA 20141

Site will consist of three (3) HF stations / transmitters for the class 3A status. Other stations will be a GOTA (x1), Satellite (x1) and VHF (x1) stations which are not counted for our Class 3A.

To minimize interference with the satellite state we will keep use of 2m comms to a minimum.

Net	Output (MHz)	Offset	Tone	Location	Purpose
Local On-Site Simplex	445.975	N/A	None	Various	On-site comms / freq coordination
Primary Repeater	146.850	– 0.6 MHz	77.0	Purcellville – WA4TXE	Linked to Alternate Repeater

Alternate Repeater	146.700	– 0.6 MHz	77.0	Leesburg – WA4TXE	

Table 1 LARG Field Day Local Frequencies

Given the site layout, we will have tactical call signs (table 2) to facilitate mainly frequency coordination of the HF stations / GOTA station.

Tactical Callsigns	Role
Station 1	HF Station 1
Station 2	HF Station 2
Station 3	HF Station 3
Satellite	Satellite / VHF Station
GOTA	GOTA Station
Media	Media Station
Food	Food Station
Safety	Safety Lead
Lead	FD Coordinator / Site Lead
Scouts	Scout Merit Badge

Table 2 Tactical Callsigns

Contact Information

Steve Radloff **Field Day Coordinator** Loudoun Amateur Radio Group Black08ufo@gmail.com 703.728.1483 N4RAF	Kevin McCrory **President** Loudoun Amateur Radio Group kbmccrory@gmail.com 703-728-0860 WA4KBM

Assignment	Name	Call	Additional Volunteers
Chairman, Field Day Cmte	Steve Radloff	N4RAF	
Ass't Chairman, Field Day Cmte	Not Used		
Station Organization			
Captain, HF Station #1	Chris Brown	W4PMP	
Co-captain	Jim Stowers	K4FW	
Captain, HF Station #2	Bill Daniels	K3WD	
Co-captain			
Captain, HF Station #3	Steve Radloff	N4RAF	
Co-captain			
Captain, GOTA Station	TBD		
Co-captain			
Captain, Satellite Station / 6m VHF	Steve Greene	KS1G	
Co-captain			
Field Day Set Up			
Frequency / Mode Manager	Steve Radloff	N4RAF	
Computers / Network (N1MM)	Kevin McCrory	WA4KBM	
Trailer Antenna	Jim Babcock	N4FAF	
Food (Chair)	John Brown	W0MPM	
Food (Co-Chair)	Tareck Elass	K9TRE	
Talk-In Station			
Signs	Jim Babcock	N4FAF	
Tents (Haul, Setup, Remove, Return)	Jim Babcock	N4FAF	
Bonus Points			

Safety	Steve Watterworth	KB1IHN	
Safety Saturday	Steve Watterworth	KB1IHN	
Safety Sunday	Lloyd Harting	KJ4BXA	
Safety Alternate	Jim Begly	KQ4MHT	
Media Publicity	Steve Radloff	N4RAF	
Public Information Table	Jim Babcock	N4FAF	
Message Origination to Sec Manager			
Message Handling			
Alternate Power	Jim Begley		
W1AW Bulletin			
Educational Activity	Paul Krein	N2FID	
Official Elected Gov't Visitor	Steve Radloff	N4RAF	
Emergency Agency Visitor			
Web Submission to ARRL	Steve Radloff	N4RAF	
Other			
ARRL orders			
Photographer	Jim Babcock	N4FAF	

Table 3 Field Day Assignments

Location

Loudoun County Sheriff's Station, 47 W Loudoun St, Round Hill, VA 20141.

Distance is approximately 12.4 driving miles due west of the Holy Trinity Church, our meeting location. Drive time is approximately 15 minutes.



The Loudoun County Sheriff's Office has granted permission to use the parking lot and large grassy area in between the front parking lot and old RT-7 (the big grassy area in the mid-center of Figure 1.

We will have access to the building to include the community room, lobby and restroom (single person capacity)

Community room will be used for merit badge class on Saturday and at other times as a 'cooling area', device / battery charging area and inclement weather shelter. No FD ops, other than for merit badge, are planned for this room.

No vehicular traffic will be permitted on the grass areas; our tower trailer may be hand-moved into the grass area, and stakes in the ground for guyed masts will be permitted.

We are guests of the Sheriffs Department and must ensure the facility is kept clean and cleaned up at the end of the event. Please keep food out of the community room.

There is a single restroom in the building next to the community room that is available for use.

Emergency Response

In the event of any emergency, such as fire, medical or police related:

1. Call 911 and provide immediate fire or medical response as needed.

OUR LOCATION

47 W Loudoun St, Round Hill, VA 20141

At the Sheriff's Round Hill Station

2. Notify the LARG On-Site Lead or Safety Officer.
3. LARG On-Site Lead or Safety Officer will immediately contact the Loudoun County Sheriff's non-emergency number at. Provide them with information related to the incident and the fact 911 has been called.
4. Safety Officer, with LARG On-Site Lead as backup, will act at point of contact with fire / medical responders.

Event Schedule

Field Day 2024 will be held June 22-23. Field Day is ALWAYS the fourth full weekend of June, beginning at 1800 UTC (1400L) Saturday and ending at 2059 (1659L) UTC Sunday.

3.1. Class A and B stations that do not begin setting up until 1800 UTC (1400L) on Saturday may operate the entire 23-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC (1400L) Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC (2000L) on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

Day	Date	Time (L)	Activity
Friday	21 Jun	1500	Deliver trailers to site. No setup.
Saturday	22 Jun	0700	Equipment Setup – Tents, Stations, Generators
Saturday	22 Jun	1200	Lunch
Saturday	22 Jun	1245 – 1430	Radio Merit Badge – Community Room
Saturday	22 Jun	1345	Photo Session
Saturday	22 Jun	1400	Commence Operations
Saturday	22 Jun	1400 –	Open to guests / public for visits – announced

		1700	time slot. But will entertain guests as they arrive.
Saturday	22 Jun	1430 – 1500	Visit from Mike, WA8AHZ, ARRL VA Section Affiliated Club Coordinator
Saturday	22 Jun	1730	Family get together / dinner – Pizza Party Sheriff's Dept invited
Sunday	23 Jun	0800	Breakfast
Sunday	23 Jun	1200	Lunch
Sunday	23 Jun	1659	FD Operations terminate
Sunday	23 Jun	1700	Begin Teardown / Cleanup

Table 4 LARG Field Day Schedule

Operator Schedule

- Each station Captain responsible to schedule / man
- Try to keep someone on the radios at all times.
- Operators and times will change based upon who is ready and willing to operate at any given time.
- If you feel like operating for a while, please either take over an unoccupied radio or ask the current operator if they would like to take a break.
- All times are subject to friendly negotiation.

Frequency Coordination / Schedule

Stations 1 and 2 will operate within their bands. Station 3 and GOTA will deconflict with stations 1 and 2. Stations 1 and 2 will have priority in their bands. Satellite station will have priority for VHF and 6m.

To simplify things each station has been assigned a tactical call sign.

K4LRG 2024 FD Band Mode Activity Plan Authorized Bands: 160, 80, 40, 20, 15, 10 and 6, 2, 70cm					
Station # Tactical Callsign	**Station 1**	**Station 2**	**Station 3**	**Satellite**	**GOTA**
Bands	80 / 40m	20 / 15 / 10m	As Available	Satellite / 6m	As Available
Modes			Digital	Satellite	

Captain	Chris Brown - W4PMP		Bill Daniels - K3WD		Steve Radloff - N4RAF		Steve Greene - KS1G		TBD	
Local	**Band**	**Op**	**Band**	**Op**	**Band**	**Op**	**Band**	**OP**	**Band**	**OP**
1400						N4RAF				
1500						N4RAF				
1600										
1800										
1900										
2000										
2100										
2200										
2300										
0000										
0100										
0200										
0300										
0400										
0500										
0600										
0700										
0800										
0900										
1000										
1100										
1200										
1300										
1400						N4RAF				
1500						N4RAF				
1600										

Table 5 Band Mode Activity Plan

Satellite Ops Schedule

Tentative ISS overflight dates / times.

Date	Start			Highest point			End			Pass type
	Time	Alt.	Az.	Time	Alt.	Az.	Time	Alt.	Az.	
22-Jun	7:54:41	10°	NNW	7:55:10	10°	N	7:55:40	10°	N	daylight

22-Jun	9:31:22	10°	NNW	9:33:04	13°	NNE	9:34:47	10°	NE	daylight
22-Jun	11:07:09	10°	NW	11:10:25	47°	NNE	11:13:40	10°	ESE	daylight
22-Jun	12:44:31	10°	W	12:46:51	18°	SW	12:49:11	10°	S	daylight
23-Jun	3:48:45	10°	SSW	3:51:35	26°	SE	3:54:27	10°	ENE	visible
23-Jun	5:25:08	10°	W	5:28:12	33°	NNW	5:31:17	10°	NE	daylight
23-Jun	7:04:28	10°	NNW	7:05:42	12°	N	7:06:56	10°	N	daylight
23-Jun	8:42:33	10°	N	8:43:37	11°	N	8:44:40	10°	NNE	daylight
23-Jun	10:18:09	10°	NW	10:21:10	30°	NNE	10:24:10	10°	E	daylight
23-Jun	11:54:49	10°	WNW	11:57:51	31°	SW	12:00:52	10°	SSE	daylight

Table 6 Tentative ISS Overflights

From:
https://www.heavens-above.com/PassSummary.aspx?satid=25544&lat=39.1328&lng=-77.7767&loc=LARG+Field+Day+Site&alt=0&tz=EST

LARG On-Site Lead

Will be Steve Radloff, N4RAF Phone: 703.728.1483.

Stations

Equipment	#1	#2	#3	Satellite / VHF	GOTA
Call Sign	K4LRG	K4LRG	K4LRG	K4LRG	TBD
Band Coverage	80 / 40m	20/15/10m	All		
Mode	CW/SSB	CW/SSB	Digital		

Equipment	#1	#2	#3	Satellite / VHF	GOTA
Captain	Chris Brown – W4PMP	Bill Daniels – K3WD	Steve Radloff – N4RAF	Steve Greene – KS1G	
Radio	ICOM 7610	ICOM 7300	ICOM 7300 / Xigeu G90	See below	
Antenna	Inverted V off of tower	Mosley TA-31 triband dipole on 23 ft mast	Wolf River Coil or EFHW or vertical		
Antenna Tuner			Internal		
Transmission Line			Yes		
Logging	Laptop	Laptop	Laptop or mobile computer / N1MM		
Power Source Primary Power Secondary	Battery	Generator	Battery Solar / Generator		

Table 7 Station Data

VHF/UHF Satellite Station

Station Captain Name:	Steve Greene
Call Sign:	KS1G
Email:	ks1g04@gmail.com
Phone:	703-980-7391
• Equipment summary:	• .
• Radio:	• IC-9700 (Sat), FT857 (VHF)
• Antenna(s):	• Satellite: Trailer-mounted tilt-up tower, self-supporting • VHF: Moxon (6M), Yagi's for 2M & 70cm (TBD) on 21ft alum push up mast (guyed) • Feedlines, control cables, and mast guylines will be marked with snow stakes and caution-tape for visibility.
• Bands:	• UHF/VHF (6, 2, 70cm)
• Power supply:	• LiFePo4 Battery + solar
• Generator:	•
• Solar:	• Yes



For Satellite Operations: Operating request - to minimize interference with satellite 2M downlinks, please minimize high-power transmissions on 2M, particularly near 145.5-146 MHz.

Table 8 VHF/UHF Satellite Station Data

Station Suggested Equipment Checklist

Station	Radio Power source	Misc
Radio	Generator	Step ladder
Panadapter	120 volt AC filter	sledge hammer
Radio interface cables	Batteries	compass
CW Key	**Computer**	measuring tape
Microphone	Computer	Operations table
Foot switch	Computer monitor	chairs
antenna tuner	Connected to network	Notebook
Dummy load	Network cable	Ground Cover
Head set	Software for logging	orange marker tape
Keyer	N1MM manual	Trash bags
Band pass filter	Power Cable	Cleaning supplies / toilet paper for restroom
Pens, pencils, paper	Charging cables for computer / batteries	Fans for air movement / keep equipment cool
clock	**Antenna**	Flash Light
spare fuses	Antenna(s)	**Shelter**
Operating manual	Tower	Weather protection
Light source	Mast	
Headset adaptor	coax	
speaker	Rotator	
Tools	Rotator Control box	

antenna analyzer	Rotator cable	
Fire extinguisher	stakes	
VSWR meter	guy ropes, cable	
Extension cords	Black tape	
DC Power cords/cables		
AC multi-tap		
Tuned coax stubs		
Battery charger		
Solar panel		
Antenna connectors		
VHF/UHF HT for local comms		

Table 9 Station Equipment Checklist

Site Layout

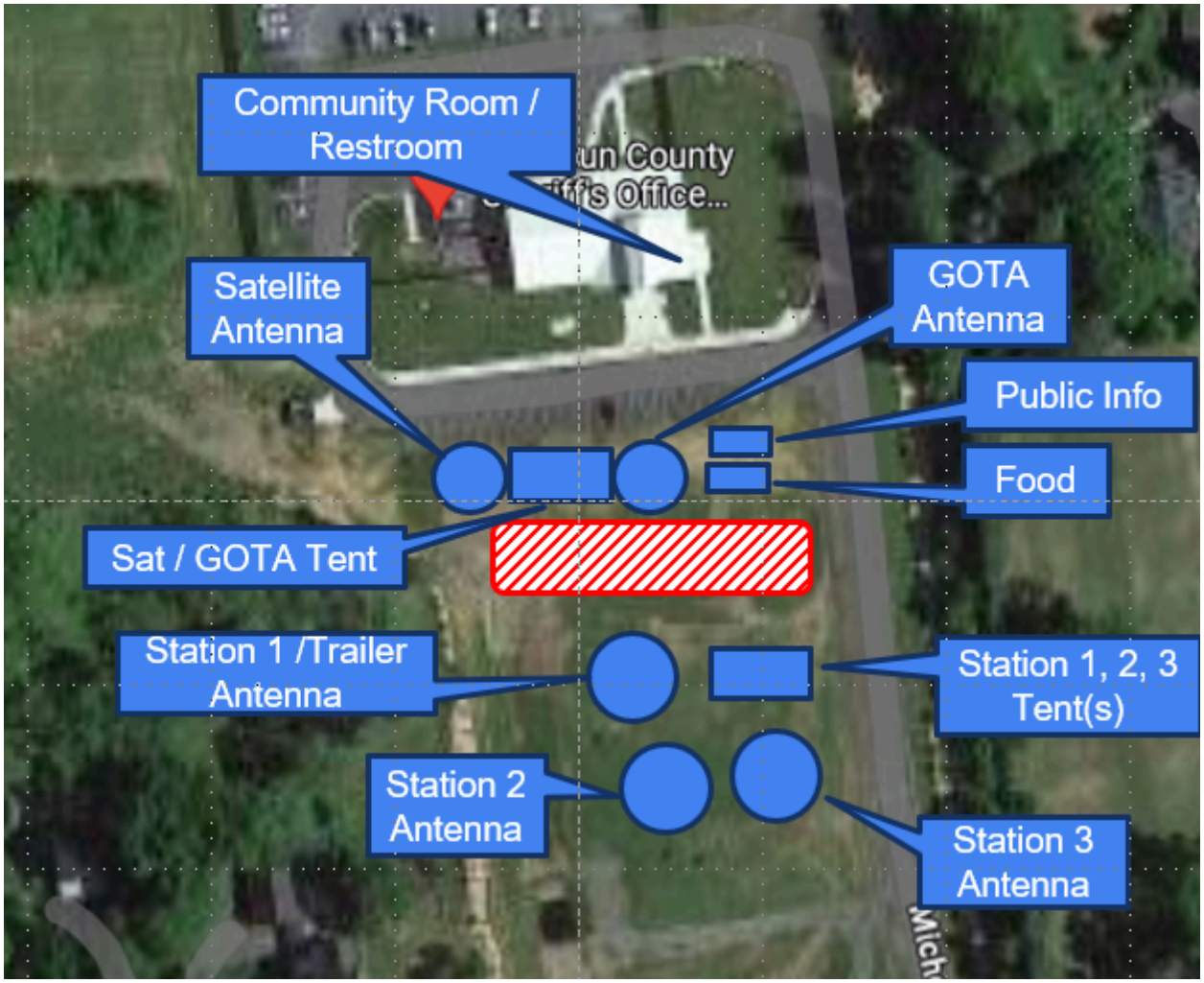


Figure 2 Site Layout Plan

- Antennas are permitted in the grass area as indicated
- 10x20 tents to be setup where indicated
- Vehicles may not be driven on the grass except to place trailer antenna.
- No cooking grills
- Operations tents shall be located in the north corner of the red area.
- Parking shall be in parking lot or along Michelle Way on east (inbound) side only.

Community Room

- No food in the room

- We are guests and wanted to be invited back
- Used for merit badge session
- Used for:
    - Cool down room
    - Charging of devices
    - Note: Station batteries should be charged using generators, solar or other emergency power sources
- We will setup our own trash locations and remove when we leave.
- Need to bring some toilet paper + light cleaning supplies for bathroom.
- In other words, leave the room perfectly clean.
- Is there a place to connect a laptop for displaying in the community room? Any specific type connector? Yes we will leave a SharePoint dongle for you to use with directions on its use in the community room.

Parking

1. Use main parking lot
2. Visitor parking should be on east side of Michelle Way – Coming into the station.
3. Must keep Michelle Way clear for quick departure of Sheriff patrol vehicles
4. Some parking can be accommodated at the lower dry pond.

Scout – Merit Badge Session

Lead: Paul Krein – N2FI

Will be held in community room from 1200 to 1630.

At approximately 1530 request club members get on HTs for 2 way contacts on 147.48.

Will also use GOTA station which will also count for GOTA points.

Overall it's a few hours of discussion/show and tell with a tour of the Field Day explaining antennas and comms and each scout making a contact.

Can use the GOTA station and points for us. However, for a large group, guaranteeing a conversation is a challenge. So, what I usually do is have a few licensed folks and some HT's and give them a script for their 5 min. contact. I pair them with a licensed ham so that they can make the contact with each other supervised. Having a 4-6 hams for a 20 minute block of time in the afternoon helps. I'll work to recruit folks.

Will use on-site frequency for Scouts on HTs – 445.955

Setup at noon. Run 12:30-4pm with 12:30-2pm in the classroom, 2-2:45 for a tour of the field day setup and ask questions, and then 2:45-4pm to do contacts and then finish the required Merit Badge discussions.

Does the room have a display that I can plug a computer into? Unknown

Safety

Is a critical part of Field Day.

See Annex A for a full safety checklist.

All members should review the 2024 Safety Briefing before arriving on site.

Briefing is here: https://drive.google.com/file/d/1PZ4I5epW8s-J9rP5tM04VL9pw7HhNMWx/view

Bring bug spray. Check for ticks.

Bonus Points

Bonus Points	Points	POC	Notes
100% Emergency power (Max. 20 transmitters)	300		2 or 3 generators plus battery and solar
Media Publicity	100		
Set-up in Public Location	100		
Information Booth	100		
Message to ARRL SM/SEC (Section Manager)	100		
W1AW Field Day Message	100		
NTS/ICS-213 messages handled (# _____)	100		10pts per message - max 100 - need to solicit members to support and develop plan to execute - single coordinator to deliver to NVTN on Sat Evening.
Satellite QSO completed	100		
Natural power QSOs completed	100		Min 5 QSOs on solar / battery
Site Visit by invited elected official	100		
Site Visit by invited served agency official	100		
Educational Activity Bonus	100		Scout Merit Badge

Youth Element achieved			20pt x 5 youth - 100 max
GOTA Bonus (total GOTA bonus points: _____)			5pts each QSO - No Max - GOTA Coach 100pts
Submitted using the web app field-day.arrl.org	50		
Safety Officer Bonus (Class A Only)	100		
Site Responsibilities Bonus (Class B,C,D,E,F Only)	N/A		
Social Media Bonus	100		Promote via SM

Table 10 Bonus Points Matrix

100% Emergency power (Max. 20 transmitters)

Operate all stations on battery or generator power.

Media Publicity

Media Contacted

1. Media:
    a. Loudoun Times
    b. Round Hill Patch
2. Social Media

Email sent to Loudoun Times for week before release in paper.

Media Calendar Posting

Have you ever wondered about the world of amateur radio? About talking to somebody in the next town or on the other side of the world when cell service or the internet is not available? Have you ever thought about talking to the crew of the International Space Station? If so, the Loudoun Amateur Radio Group invites you to visit and participate in the 24-hour national Amateur Radio Relay League annual Field Day.

During Field Day, amateur radio enthusiasts, also called Hams, nationwide set up temporary radio stations. This allows operators to practice their skills to ensure adequate preparedness in the event of an emergency and demonstrate our hobby and passion to all of you who may be interested in learning about amateur radio.

We welcome visitors to come ask questions, make a contact on one of our radios, and generally hang out. We'll also be demonstrating how to contact other Ham operators around the U.S. and the world including using orbiting satellite relay stations.

Operations begin at 2pm Saturday and don't end until 2pm Sunday (yes, we go all night). Stop by any time to say hello and learn what fun amateur radio has to offer. All ages welcome!

- Title: Amateur Radio Field Day
- Location: Western Loudoun Station - LCSO
- Address: 47 W Loudoun St, Round Hill, VA 20141

Set-up in Public Location

Sheriff's Station, 47 W Loudoun St., Round Hill, VA 20141

Information Booth

Being setup by Jim Babcock. We have a LARG Flyer and ARRL & ARES flyers to handout.

Message to ARRL SM/SEC (Section Manager)

Message to VA Section Manager. Send to:

Jack Smith, KE4LWT

Mike Aimone, WA8AHZ

W1AW Field Day Message

Will task a station to collect.

NTS/ICS-213 messages handled (# _____)

Draft messages below to be copied to Winlink and sent out.

Callsign: KK6OTD
Name: Tim Allen
Email: KA6LMS@gmail.com
Msg: Happy Field Day Tim. Thank you for highlighting ham radio on your television show Last Man Standing.

Callsign: WB6ACU
Name: Joe Walsh
email: WB6ACU@winlink.com

Msg: Happy Field Day Joe. I hope you are able to join the fun with our community this year.

Callsign: KF5QNU
Name: Jeanette Epps
email: KF5QNU@winlink.org
Msg: Happy Field Day Jeanette. I hope things are going well on the ISS. Travel safely!!

Callsign: KD5MIJ
Name: Mike Barratt
email: KD4MIJ@winlink.org
Msg: Happy Field Day Mike. I hope things are going well on the ISS. Travel safely!!

Callsign: K1JT
Name: Joe Taylor
email: K4JT@arrl.net
msg: Happy Field Day Joe. Thanks for giving our hobby the FT8 digital protocol.

Satellite QSO completed

Steve Greene, N1SG to work this.

Natural power QSOs completed

We will real time work transfer a station to solar power.

Site Visit by invited elected official

Site Visit by invited served agency official

Educational Activity Bonus

See Scout – Merit Badge Section

Youth Element achieved

See Scout – Merit Badge Section

Setup Plan

Setup will begin on Saturday, 22 Jun at 0700.

Trailers will be delivered and stored overnight on-site. We'd like to bring in two trailers and park them in the parking lot on Friday afternoon. We will not be erecting them until Sat morning. Any issues? Response from Station: Should not be any issues, please park them so they take up the fewest amount of parking spots and does not block access to either entrance to the back gated area. You can most likely park them in the grassy area you are going to use without them sinking.

Operational setup shall begin on Saturday at 0700.

Saturday setup will include:

- HF Stations
- UHF/VHF Station
- GOTA Station
- Generators
- Masts / Antennas (if not setup on Friday)
- Coaxial cables
- Information table
- Tents
- LARG signs near entrance

The club owns two 10x20 foot tents. Tent assembly is tool-less. There are 8 sand-bags per tent. We have 16 total bricks for the sandbags that weigh the same as loose sand.



Figure 3 10x20 Tent

Teardown Plan

Teardown will begin on Sunday at 1800 UTC (1400 EDT).

Teardown will include:

- HF Stations
- UHF/VHF Station
- GOTA Station
- Generators
- Antennas
- Coaxial cables
- Information table

- Tents
- Removal of signage
- Removal of any trash
- Final Site inspection

Food / Beverages

- Saturday – Setup / Lunch
- Saturday – Dinner – Pizza
- Sunday – Breakfast / Lunch

Inclement Weather Plan

- Lower trailer antenna
- Lower other antennas – secure to ground as needed
- Shutdown generators / solar panels
- Disconnect all feed lines / power
- Secure power cords
- Secure radios / computers / other operating equipment
- Remove side poles of tents – drop top to ground – stake / secure
- Shelter – Community Room or Vehicles

Annex A, Safety

ARRL Safety Checklist

ARRL Field Day Safety Officer Checklist

To qualify for the 100-point Safety Officer bonus (for Class A stations), a group must appoint a qualified person/s who are present at their site from the beginning of set-up until the end of break-down.
This form is NOT intended to be all inclusive.
The Safety Officer/s certify by submitting this form that due diligence was made to provide a safe operation.
[check (or circle) any/all that apply]

- **Safety Officer/s or qualified designated assistant/s was on site for the duration of the event.**
- **Fuel for generator properly stored.**
- **Fire extinguisher on hand and appropriately located.**
- **First Aid kit on hand.**
- **First Aid - CPR - AED versed else trained participant/s on site for full Field Day period.**
- **Access to NWS alerts to monitor for inclement weather.**
- **Tent stakes properly installed and marked.**
- **Temporary antenna structures properly secured and marked.**
- **Site secured from tripping hazards.**
- **Site is set up in a neat and orderly manner to reduce hazards.**
- **Stations and equipment properly grounded.**
- **Access to a means to contact police/fire/rescue if needed.**
- **Safety Officer is designated point of contact for public safety officials.**
- **Minimize risks and control hazards to ensure no injuries to public.**
- **As necessary, monitoring participants for hydration and ensuring an adequate water supply is available.**

_____ _____
signature(s) / call(s) date
Revised 3/2022

- Fuel for generator properly stored.
- Fire extinguisher on hand and appropriately located.
- First Aid kit on hand.
- First Aid, CPR and AED trained participants on site for full field day period.

- Access to NWS alerts to monitor for inclement weather. Monitor WA4TXE repeater – notify all via tactical comms
- Tent stakes properly installed and marked.
- Temporary antenna structures properly secured and marked. Site secured from tripping hazards.
- Site is set up in a neat and orderly manner to reduce hazards.
- Stations and equipment properly grounded.
- Access to means to contact police/fire/rescue if needed.
- Safety Officer is designated point of contact for public safety officials.
- Minimize risks and control hazards to ensure no injuries to public.
- Safety Officer or a qualified designated assistant was on site for the duration of the event.
- As Necessary, monitoring participants for hydration and ensures an adequate water supply is available.

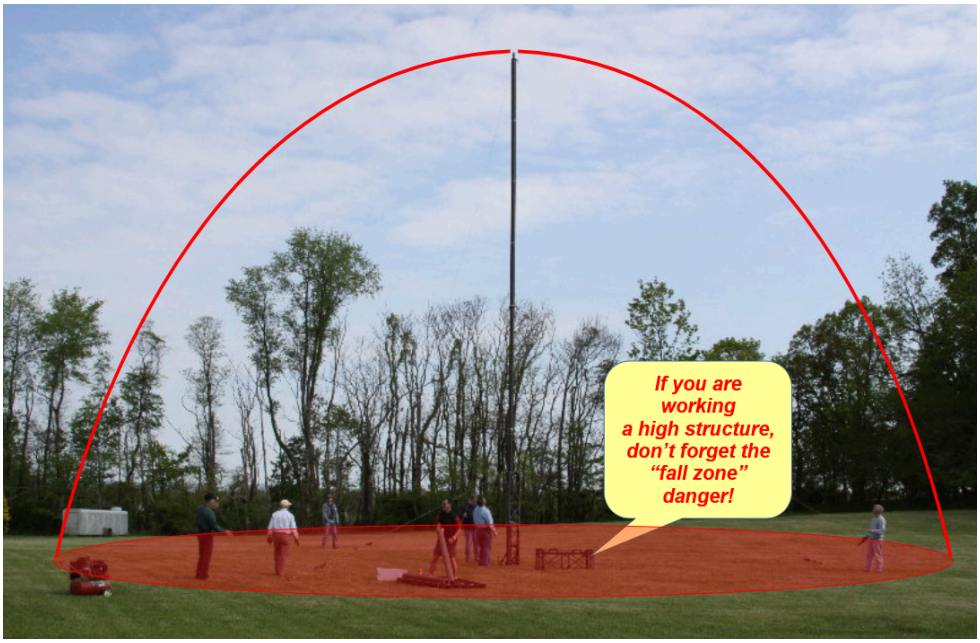


Figure 4 Fall Zone Diagram

Safety Highlights

- Generators-
    - Downwind of people, fuel, and fire extinguishers
    - Floating connections (3-wire, but ungrounded to Earth at the generator)

    - Rig electrical cord strain reliefs to prevent tipping or disconnects
    - Must stop & cool generator before refueling!
    - Note – Extended range tanks usually avoid refueling during FD event!
    - Note – Try generator clusters for improved management, operations & safety.
    - Note - Co-located generators (such as the Honda eu2000i) can be paired to share power, ensure continuity & backup, and enable alternate fueling.
    - Batteries can be used to power radios during generator cooldown/fueling but need to determine how attached computers will be powered. Maybe laptops with integral batteries?
- Fuels-
    - Downwind of people, upwind of generator
    - Only approved fuel containers
- Fire Extinguishers-
    - Upwind of fuels & generators
    - Preferably at Station, or easy to grab location
    - Class ABC dry chemical, or BC carbon dioxide (CO2)
- Cables-
    - No trip hazards! Route neatly, and away from people paths & areas.
- Cautions & Markings-
    - Place generator & fuels in marked “zones”
    - Preferably in a non-flammable shelter, protected from weather & sun (& tampering...)
    - Clearly mark all cables, & gear zones, with bright barrier or flagging tapes, etc.
- Personal Protective Gear-
    - Hard hats are recommended for all overhead work including tent setup/teardown
    - Gloves are recommended for handling wires and cables including guy wires
    - Sunscreen should be used
    - Insect repellant should be supplied by individuals as desired

Heat Related Illnesses Chart

Form the CDC:



Figure 5 Heat Related Illnesses

Annex B, Action Items

#	Action	Status Comments	OPR	Closed
1	Generators - need 2	1 - Jim KQ4MH, 1 - Bill K3WD 1 – Steve G (need somebody to pick it up)		Closed
2	Ensure grass is mowed	5. to check with LSCO – grass is currently mowed. Is the large field between the two drainage ponds going to be mowed between now and the 22nd? Yes it should be, but we will make sure it is done.	Radloff	Closed
3	Driving of trailers w/vehicles on grass	to check with LSCO. No comments received.	Radloff	
4	Station 1 setup requirements		Brown	
5	Station 2 setup requirements		Daniels	
6	Satellite setup requirements		Greene	
7	UHF/VHF setup requirements (6m)		Greene	
8	Station 3 digital station	Steve N4RAF to setup	Radloff	Closed
9	HF Filters			
10	Antenna - 80 /40 m			
11	Antenna - 20 /15 /10 m			
12	Antenna / Trailer Club	Trailer – yes. 40m antenna – no. Antenna to be provided by Chris Brown	Jim N4FAF	Closed
13	Antenna	No		

14	Food / menu		Brown / Elass	Closed
15	Family dinner	Pizza Party	Brown / Elass	Closed
16	Will we have the Military guys there again this year?	No per Kevin M.	Kevin M.	closed
17	Ground Rods	2 being brought – Kevin and ?		Closed
18	Invite Deputies at station to dinner		Steve	Closed
19	Ask Scouts to dinner		Paul	
20	Extra 10x10 tents	At least two extra coming (Steve and ?)		Closed
21	Extra tables	Jim B. to pick up from John B.		Closed
22	Calendar event on local newspapers	Loudoun Times		Closed
23	Fire Extinguisher	N4RAF plus station captains		Closed
24	Water Coolers / Ice / Water	Food committee and others bringing		Closed
25				
26				

Table 11 Action Items

Annex C – Setup / Teardown Signup Sheets

LARG FD SETUP VOLUNTEERS	
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LARG FD TEARDOWN VOLUNTEERS	
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NEED TO ROTATE PAGES

Annex D - Operator Signup Sheets

K4LRG 2024 FD Operator Signup - SATURDAY Authorized Bands: 160, 80, 40, 20, 15, 10 and 6, 2, 70cm				
Station # Tactical Callsign	**Station 1**	**Station 2**	**Station 3**	**GOTA**
Bands	**80 / 40m**	**20 / 15 / 10m**	**As Available**	**As Available**
Modes			**Digital**	
Captain	**Chris Brown - W4PMP**	**Bill Daniels - K3WD**	**Steve Radloff - N4RAF**	**TBD**
Local				
1400				
1500				
1600				
1800				
1900				
2000				
2100				
2200				
2300				

K4LRG 2024 FD Operator Signup - SUNDAY Authorized Bands: 160, 80, 40, 20, 15, 10 and 6, 2, 70cm				
Station # Tactical Callsign	**Station 1**	**Station 2**	**Station 3**	**GOTA**
Bands	**80 / 40m**	**20 / 15 / 10m**	**As Available**	**As Available**
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0200				
0300				
0400				
0500				
0600				
0700				
0800				
0900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				