

2022 WFD Rules

[Read All The Rules](#)

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[FT8/FT4 are NOT acceptable modes](#)

[See note at bottom of rules](#)

***Note! Changes for 2022 include a 100W power limit and lower Bonus Pts,
No paper logs in 2022**

There MIGHT be a new way to submit logs. We will keep you posted!!

Covid-19 Rules Changes in RED.. applies ONLY to group/club scores

Purpose Mission Statement: To foster Ham camaraderie, field operation, emergency operating preparedness, and just plain on the air, outdoor fun in the midst of winter for American, Canadian, and DX Hams. Don't let those winter doldrums keep you locked up in the house... get out and play some radio!!

When: Winter Field Day runs for 24 hours during the last full weekend in January each year from 1900 UTC (2pm EST) Saturday to 1900 UTC (2pm EST) Sunday. For 2022 the dates are January 29th and 30th. Station set-up may commence no earlier than 1900 UTC (2pm EST) on the Friday before. Station setup may consume no more than 12 hours total. How & when you schedule/spend those 12 hours is up to you.

Bands: All Amateur bands, HF, VHF, & UHF except 12, 17, 30 and 60 meters.

Modes: Any mode that can *faithfully* transmit the exchange **intact** without a conversion table... CW, SSB, AM, FM, DStar, C4FM, DMR, Packet, PSK, SSTV, RTTY, Olivia, Satellite, etc... (note FT8 & FT4 cannot)

Suggested Frequencies: (to make it easier to find each other)

HF CW – 1810-1820, 3.530-3.550, 7.030-7.050, 14.035-14.055, 21.030-21.050, 28.030-28.040

HF SSB – lowest 30 kHz of the US General Class Phone bands (160m-15m), 28.400-28.425MHz (10m)

6m/VHF/UHF – adjacent to, *but not on*, nationally recognized simplex calling channels.

Entry Categories and Class

Entry categories: (.if operating as a group under one call, all stations in your entry must fit the category you choose. Also be sure to see further clarification in “definitions” below)

Indoor: Operation from inside a remote, insulated, heated (or cooled, depending on your local weather), and weather-protected structure where an Amateur station is normally not available. (Park buildings/cabins, community center, senior center, cottage, etc). An EOC or Club shack may be utilized, providing all equipment used is set up by the contestants.

Outdoor: Operation from a location partly or fully exposed to the elements and *at least* 30 feet away from your normal station location and not using any part of a previously erected antenna system or ham station. A campground, park pavilion, canopy, picnic table, tent, pop-up camper, or a backyard shed/tent/deck, etc may be used. Operation from a non-insulated car/truck/van/boat (*mobile or not*) is considered “outdoor”.

Home: Operation from inside a home or *inside* another structure attached to a home that could or would be the usual location of an Amateur station (*garage, sunroom, etc*), *generally* using a previously erected antenna system. A “Home” entrant may still be eligible to claim the “alternate power” bonus if not using commercial power.

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Note! Use of *any* pre-existing or permanently installed antenna system or station components renders your station a “Home” station.

Entry Class: your entry “*class*” is a number designated by the number of stations in your entry that are capable of *simultaneous* transmission. (*Explained further in summary below*)

Exchange: Your WFD exchange will be a combination of your “class” and “category” and your ARRL/RAC section as described below, using an appropriate letter designator or phonetics (*examples:* 1I, 2H, 5I, 6O, 3H, 9I, etc) In short: Call sign, Class + Category, ARRL Section (or DX).

Example: K4YM this is KB8X, we are Two Hotel (2H), Ohio ..or in CW: K4YM de KB8X TU 2H OH...

KB8X this is K4YM, thank you, we are Twelve India (12I), West Central Florida ..or in CW: KB8X TU 12I WCF

In Summary: There are only 3 *Categories* of entry: **Indoor**, **Outdoor**, and **Home** as described above and in the definitions. Your entry *Class* will depend on the number in your exchange. That number will be determined by the number of stations capable of *simultaneously* transmitting at your WFD site. If you only have one station set up, but plan on using it on several bands and modes (*example:* 160-2m, CW, SSB, FM, Digi, etc), the number in your exchange would be “1”. If you have 10 stations set up and operators working at all of them, regardless of bands, and modes, the number in your exchange would be “10”. If you have only two operators, but have two HF stations set up and a *third* and possibly *fourth* station dedicated to VHF, UHF, or a Satellite contact, your exchange number would be “2”, as one op would have to leave a station idle to make contacts on the other. In other words, don’t count a station where one station has to be left idle to make contacts on another. Once you decide upon your *number* of stations (*class*), you *must* use it for the duration of the contest. There are no points awarded for number of stations and it does not affect your score, but changing it mid-contest *will* disqualify contacts.

Calculating Points

QSO Points: 1 point per Phone QSO, 2 points per CW & Digital QSO... Busted exchanges will be penalized by 1 additional point for each missed exchange or call sign. Duplicate contacts (*same call, band, and mode*) will not be counted, but will not be penalized.

Mode and Band Multipliers: Count 1 multiplier for each mode operated per band. For example, operating CW and Phone on 80, 40, 15 and 10 meters, CW and PSK31 on 20m, FM on 2meters & 440 would be a total multiplier of 12x.

Power Output Multipliers: 100W or less = 2x, QRP = 4x (*QRP: see definitions*) *100W power limit this year*

Bonus points:

- You may claim 500 bonus points if no commercial power is used in powering your WFD station. (see “*alternate power*” definitions below). Your *logging-only* computer *may* use any available power.
- You may claim 500 bonus points if your operation is “Outdoors” (*see definition below*).
- You may claim 500 bonus points if your operation is not a “Home” operation (*remote*).

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- You may claim 500 bonus points for making a QSO via Satellite (*once only, see Satellite rule*).

Example: Operating *outdoors* on your back deck table more than 30 feet from your usual station *without commercial power* and using a temporary WFD antenna, set up within the allowed timeframe, would be $500 + 500 = 1000$ bonus points (*outdoors, no commercial power*). Operating from a campground tent using commercial power and making one Satellite QSO would be $500 + 500 + 500 = 1500$ bonus points (*outdoors, not home, and Satellite*).

Note: There must have been at least 1 valid QSO in order to claim any bonus points. Bonus points may not be claimed unless all stations covered in your entry qualify as well.

Claimed Score Tabulation: QSO Points x Power Output Multiplier x Band/mode multiplier + Bonus Points.

Log Submission

Log submission DEADLINE and contents: <mailto:wfda@winterfieldday.com> via email before **0000 UTC March 1st** to be considered. Emailed Logs should contain the following in the subject line... "WFD 20XX Log K8XXX" with K8XXX being the callsign *you* used for the event. Logs **MUST** be submitted as an *attached* Cabrillo File, **NOT** as an email body.

ALL logs must be in WFD Cabrillo format and should contain the following information:

Frequency: kHz, band, or a generic frequency for the band. Frequency accuracy is *not* used to judge valid QSOs.

Modes in the log: **CW** = CW. **PH** = Phone, as in AM, SSB, FM, C4FM, DStar, Mototurbo, DMR, etc (*..if the end result is voice transmission, it's phone*). **DI** = Digital, as in RTTY, Olivia, Packet, PSK, SSTV, ATV etc (*if the end result is text or pictures on a screen, it's digital*). **Note:** Working the *same* station in multiple digital *or* phone modes on any one band will result in "dupes" in your logging software and score.

Date and time: UTC/GMT (*..need not be exactly accurate. Exception: QSO's time-stamped/logged outside the contest period will be disqualified*)

QSO data required: Entrant's Call, Class + Category, ARRL/RAC Section --- Call worked, Class + Category, ARRL/RAC Section. Any station worked without an ARRL/RAC section designation is to be logged simply as "DX" in the space allotted for the section identifier. DX entrants should give "DX" or their country as their "section" in their exchange.

Bonus Points: Please enter your calculated bonus points in the Cabrillo Soapbox comments as shown directly below with a short explanation. The soapbox is just above the main body of the log in the header.

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WFD Cabrillo Entry Template

WFD Cabrillo Entry template with *only* the *required* fields is as follows:(leave other fields blank)

START-OF-LOG: 3.0
Created-By: (software used to make this log)
CONTEST: WFD
CALLSIGN: W8D (the call you or your group used for WFD QSOs)
CLUB: club/group name only (read Covid Club/Group Score Notes below)
(Leave blank if not part of a group limited by C-19 as described below)
LOCATION: Toledo, OH
ARRL-SECTION: OH
CATEGORY: 10
CATEGORY-POWER: LOW (QRP or LOW are the **only** choices this year)
SOAPBOX: 500 points for not using commercial power (if applicable)
SOAPBOX: 500 points for setting up outdoors (if applicable)
SOAPBOX: 500 points for setting up away from home (if applicable)
SOAPBOX: 500 points for Satellite QSO (w/N8HM)
SOAPBOX: BONUS Total 2000 (Sat QSO, remote location, outdoors and gen pwr)(example)
CLAIMED-SCORE: xxxx (your calculated total score including bonuses)
OPERATORS: Call #1, Call #2, Call #3, etc.
NAME: Your Name (contact person)
ADDRESS : #### Your Street
ADDRESS-CITY: Your city
ADDRESS-STATE: Your state
ADDRESS-POSTALCODE: Your postal code
ADDRESS-COUNTRY: Your Country
EMAIL: The email address to contact you
QSO: 3750 PH 2017-01-07 1911 W8D 10 OH WB9X 2H IL
QSO: 7030 CW 2017-01-07 2021 W8D 10 OH K8UO 14I MI
QSO: 14070 DI 2017-01-07 2131 W8D 10 OH K6XXX 14I LA
END-OF-LOG:

QSO format

QSO:	freq	mode	date	time	urcall	Cat	Ur	Sect	HisCall	Cat	HisSect
QSO:	3750	PH	2017-01-07	1911	W8D	10	OH	WB9X	2H	IL	
QSO:	7030	CW	2017-01-07	2021	W8D	10	OH	K8UO	14I	MI	
QSO:	14070	DI	2017-01-07	2131	W8D	10	OH	K6XXX	4I	LA	

Cabrillo format notes: There **MUST** be at **LEAST** one space between fields. More than one is fine, but at *least* one is required. Each line in the log *must* end with a carriage return and line feed. There *must* be at least one space following a colon in a line. More than one is fine, but at *least* one is required. The frequency for HF must be in Kilohertz rounded to the nearest kilohertz, **no decimal**, 3750 is fine, 3750.134 is **not**. If your logging software is NOT connected to your radio, any in-band frequency is fine. The callsign in the file name for the log **MUST** be the same as the callsign USED in the contest. Example: N8LOG.log or N8LOG.txt

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Covid 19 Pandemic scoring changes for Clubs/Groups:

These changes apply **ONLY** to groups who, due to the Pandemic and possible local restrictions, won't/can't be congregating to compete this year. If your group wishes, you may have a "group/club" score tallied by having individual members fill in the "CLUB:" line in their Cabrillo log file (*above*). Individual members will operate using their own callsign (*operating under their own privileges*), using a class & category exchange that reflects their *individual* situation. They will send in their log under **their own** callsign with the name or callsign of the group/club noted on the "CLUB:" line. If a callsign is used in the "club" line, it cannot be one used in the contest or on another member's entry log (*it'll confuse the scoring software*). If your group uses a club name, be sure to advise everyone in your group to use the *exact same unique name*. Choose wisely! There are dozens of clubs with the same abbreviation (as in LARC, PARC, etc), but it's unlikely there's more than one Livonia ARC, or Lincoln ARC. "Club" scores will be the aggregate of the individual members' scores, regardless of how they operated and will be posted as distinct "Club/Group" scores once tallied. Your individual members' logs and scores will be tallied and posted as well (*each under their own call*), the same as any other entrant. It might be a good idea to have someone in your club/group collect members' logs and check them to ensure the logs are correct before sending them in. It'll save us time and you aggravation. "Club/Group" scores will likely be the last to be posted as all logs won't be in till the actual log deadline.

Results will be posted on the Winter Field Day Association website (*winterfieldday.com*) as we check and score them. Your pictures, videos, description of operations, and logistics are encouraged and welcome at both the website and the WFD Facebook group. Your submission of photos and comments implies your consent to their use and possible editing by the WFDA to promote WFD both on the website, Facebook Group, or elsewhere. Though we attempt to ID who took photos, it'd be best if you use software (like MS Paint) to add your callsign/name to any photos you submit if credit is desired.

Paper Logs and logs not in the correct format

Paper logs are **no longer** being accepted.

Emailed Logs not in the correct format or needing numerous corrections will be rejected and the sender notified if possible (Hang on to a copy of your log, in case it needs corrections or amending). Emailed texts and screen captures of logs will not be accepted. Logs must be submitted in the correct Cabrillo format and as an attached file in your email. A primer on Cabrillo logs/files can be found here: <http://www.arrl.org/cabrillo-format-tutorial>

Definitions & Rules Clarifications:

Station Location Limitations: A WFD operation, regardless of the number of stations operating under one call sign, must be located in one physical location; ergo all station equipment, including antennas, feed lines, and accessories used must be located within a 1000 foot (300m) *diameter* circle at the site chosen. (See Covid exception for groups who can't gather, above) Remote station operation (*via internet link*) is allowed, but may only enter WFD as a "Home" station (*w/o bonus pts*) since a remote station, almost by definition, is previously assembled and operates off local commercial power.

Qualifying Alternate/Non-Commercial Power: Any power not connected to the commercial power grid... generator (*stand alone or built into an RV*), battery (*which may not be re-charged from commercial mains while in use*), solar power (*yours*), hydroelectric (*yours, not the local power company's!*), wind power (*yours*), etc. You may only recharge batteries *in use* using

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alternate power... generator, solar, hydro, wind, etc. Batteries, *when not in use*, may be charged by any means available. WFD operations claiming the “alternate power” bonus must run all station equipment and accessories from an alternate power source, with the exception of the logging-only computer. In multi-station set-ups, that means all stations working under one call sign must do the same. If even one station in a multi-station set-up uses commercial power, the group *may not* claim the bonus.

Station accessories & power requirements: Your logging-only computer/device may use *any* power available (*..in a real emergency there'd likely be little contest type QSO logging going on*). If you are claiming an “alternate power” source for bonus points, any peripheral devices that assist in the making of WFD QSOs must *also* run on an “alternate power” source. Simply put, if your computer is used to generate the transmission of or the decoding of WFD QSOs and you're claiming *alternate power*, it must also run on *alternate power*. This standard also applies to any other external devices used in making or decoding transmissions like CW keyers/decoders, tablets/iPads, voice memory keyers, soundcard links (*rigblasters, etc*), equalizers, and audio filters (*timewave, etc*).

QRP: CW = 5 watts maximum carrier. **Phone/Digi** = 10W maximum peak power.

Multiple Transmitter Limitations: The use of more than one transmitter on a single band & mode is prohibited.

Indoor: Operation from inside a building or structure at another temporary, remote (*away from home*) location where amateur radio equipment and antennas are not typically available, including community centers, park buildings/cabins, some RVs, etc. If it has a permanent roof, windows, doors, walls, insulation, and is heat/cool-able, *it's indoors*. Indoor stations, already eligible for “remote” bonus points, may also claim “alternate power” bonus points if not using commercial power

Outdoor: Operation from a location remote to your *normal* at-home station and fixed antennas, such as locations with no permanent buildings, *no insulation, no central heating/AC system*, including campgrounds, park picnic tables, tents, some RV's (*see below*), lean-tos, etc. Comfort allowances are made for windbreaks, sun/rain/snow cover (*canopy/tent/pop-up*), and heat source (*fire, patio heater, catalyst/propane heater, torpedo/kerosene heater, electric heater, etc*), or cooling as needed. Operating from your pool deck or backyard screen gazebo would be considered “outdoor” as long as it's not attached to the house and you're more than 30 feet from your normal station. An open-air pavilion with no walls would be considered Outdoor as would a tent, canopy, utility trailer, or canvas pop-up. An entrant using a plugged-in, fully enclosed, *insulated*, and centrally heated/cooled motor-home or trailer would be considered “Indoor” although they may still be eligible for “remote” and “alternate power” bonus points. A station set up thusly may *still* qualify for the “alternate power” bonus if not using commercial power. Conversely, operation from a non-insulated vehicle (*car, van, boat, or truck, mobile or not*) would be considered “outdoor”. In order to claim the “outdoor” bonus, all stations in your entry must fit the definition, no exceptions.

Home: Operation from a place where an amateur station is already or would normally be established, whether it's your home or another person's. Use of *any* pre-existing feed line or pre-mounted antenna system, such as a backyard tower/beam, roof antenna, or previously installed dipole/wire, or previously installed rig renders your station a “Home” operation. A home station may still claim “alternate power” bonus if using non-commercial power. Operation from another ham's home other than your own, from a seasonal rental (*..like your Florida/Arizona snowbird condo*), or from a second home you own would *still* be considered a “Home” operation unless no

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equipment, antennas, or accessories were present before the stated WFD set-up time (*in which case you'd be an "Indoor" entrant and eligible for the "remote/not at home" and possibly the "alternate power" bonuses*).

Allowed Bands: The Amateur non-WARC band allocations recognized by the ITU, i.e. 160, 75/80, 40, 20, 15, 10, 6, and 2 meters, plus the UHF bands. To qualify as a band worked, at least 1 valid, *non-solicited*, two-way QSO must have taken place on said band during the contest. **The WARC bands (30m, 12m, & 17m) and 60m are off-limits for WFD QSOs as they are for any other contest.** Entrants are *strongly* advised to avoid parking on recognized national simplex calling channels on the 6m, VHF, and UHF bands and use immediately adjacent frequencies.

Satellite Contact rules: Satellite contacts *do not* count as a new mode/band multiplier. Satellite contacts are limited to **ONE ONLY** per entry so as to not tie up satellite frequencies with stations calling CQ WFD. A *simple* CQ (*versus CQ WFD*) is sufficient and you should be prepared to give a signal report and your VHF Grid Square to the other station versus your normal WFD exchange. A satellite contact is worth 500 bonus points, one time only. Making further contacts earns no extra points, but by all means answer any calls you might hear.. it makes a good demo and helps others make their WFD Sat QSO! If you complete a satellite QSO, be sure to note the bonus points as well as a short synopsis of the contact in the "Soapbox". It's likely the other station will not be a WFD contestant and he will likely want a confirmation of the contact afterwards, *especially* if your location is remote. Please be considerate and comply.

Qualifying WFD QSO: You must copy the *full exchange* (*with the exception of Satellite QSOs, see above*). *QSOs may not be solicited...* in other words; you may not phone someone, use the internet (*email, IMs, Facebook or spotting networks*) or repeater/digipeater to request/suggest they meet you on *any frequency* for a WFD QSO *or* set up a QSO in advance of WFD. The internet, Echolink, VOIP, IRLP, repeaters, digi-peaters, and cross-banding are off-limits and barred from use to make WFD QSOs as they are in all other contests, with the *single exception* of a cross-band Satellite QSO. *Do not* park on the national VHF/UHF/6m calling frequencies to make QSOs. Entrants may not count for QSO credit any contact with anyone who is or was a participant in their WFD operation or is present at their WFD location. No credit may be taken for QSOs involving, light, laser, or LED unless the stations are more than 1000m/1km distant from each other and the receiving station includes detection *circuitry*.

Qualifying WFD Modes (underlined): **CW**, **Phone** (*includes SSB, AM, FM, Dstar, C4FM, Mototurbo... if the end result is voice, it's phone*), and **Digital** (*includes PSK, RTTY, Olivia, Packet, SSTV, ATV, and other soundcard modes. If the end result is text or a picture, it's digital*).

Note: Working the same station in multiple digital *or* phone modes on any one band will result in "dupes" in your log.

Miscellaneous...

All rules governing amateur radio at your location must be observed throughout.

Although not required, we recommend the WFD Logging program by N3FJP. www.n3fjp.com. W3KM also has excellent logging software www.qsl.net/w3km. N1MM also has some excellent logging software, but it can be tricky to set up for WFD and if done improperly may not log properly. **Be sure** that whatever software *you* use generates a properly formatted WFD Cabrillo log file and labels the QSOs as **CW**, **PH** (voice), or **DI** (digital)... THAT's the file you'll be attaching to your entry submission email.

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FT8/FT4 Notes: WFD has always had an Ecomm emphasis, even back when SPAR sponsored it.. We waited for FT8 2.0, and FT4 hoping they would be more flexible, but were disappointed that the new release would NOT do the WFD Exchange as it currently stands. That alone rules out using FT8/FT4 for WFD. Also, its ability to carry any emergency message is near nil... try sending "SOS - HMS TITANIC - HIT ICE - SINKING - 82.566N 34.713W". Almost any other mode *can* send that (or the WFD Exchange). Getting a message through bad conditions is great.. but, getting only a grid square and a signal report is hardly a message of value to Ecomms. When FT8 can do the WFD exchange verbatim, it'll become part of WFD. That has been the consensus of the WFDA board for some time... We are not anti-FT8. The ARRL did not change any rules in its contests to allow FT8... FT8 developers changed what it could send to fit a few ARRL contest exchanges.

PS... There are a few folks talking about using JS8Call... you *might* want to try that. It works similarly to FT8, but is far more robust in what it can send and receive.

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ARRL Section List

ARRL / RAC Section Abbreviation List

1				
Connecticut	CT	Rhode Island	RI	
Eastern Massachusetts	EMA	Vermont	VT	
Maine	ME	Western Massachusetts	WMA	
New Hampshire	NH			
2				
Eastern New York	ENY	Northern New York	NNY	
NYC / Long Island	NLI	Southern New Jersey	SNJ	
Northern New Jersey	NNJ	Western New York	WNY	
3				
Delaware	DE	Maryland – DC	MDC	
Eastern Pennsylvania	EPA	Western Pennsylvania	WPA	
4				
Alabama	AL	Southern Florida	SFL	
Georgia	GA	Tennessee	TN	
Kentucky	KY	Virginia	VA	
North Carolina	NC	West Central Florida	WCF	
Northern Florida	NFL	Puerto Rico	PR	
South Carolina	SC	US Virgin Islands	VI	
5				
Arkansas	AR	North Texas	NTX	
Louisiana	LA	Oklahoma	OK	
Mississippi	MS	South Texas	STX	
New Mexico	NM	West Texas	WTX	
6				
East Bay	EB	San Diego	SDG	
Los Angeles	LAX	San Francisco	SF	
Orange	ORG	San Joaquin Valley	SJV	
Santa Barbara	SB	Sacramento Valley	SV	
Santa Clara Valley	SCV	Pacific	PAC	
7				
Alaska	AK	Nevada	NV	
Arizona	AZ	Oregon	OR	
Eastern Washington	EWA	Utah	UT	
Idaho	ID	Western Washington	WWA	
Montana	MT	Wyoming	WY	
8				
Michigan	MI	West Virginia	WV	
Ohio	OH			
9				
Illinois	IL	Wisconsin	WI	
Indiana	IN			
0				
Colorado	CO	Missouri	MO	
Iowa	IA	Nebraska	NE	
Kansas	KS	North Dakota	ND	
Minnesota	MN	South Dakota	SD	
Canada				
Maritime	MAR	Saskatchewan	SK	
Newfoundland/Labrador	NL	Alberta	AB	
Quebec	QC	British Columbia	BC	
Ontario East	ONE	Manitoba	MB	
Ontario North	ONN	Northern Territories	NT	
Ontario South	ONS	Greater Toronto Area	GTA	
Prince Edward Island	PE			

Non US / Canadian stations should be logged as DX

For use FD 2020