

# ESTONIAN OPEN VHF/UHF/SHF FIELD DAY

## RULES for 2020

The purpose of this open contest is to enhance the activity of VHF/UHF/SHF amateurs in Estonia and in the Baltic Sea region and to establish as many contacts as possible during the contest. Also to work as many amateur radio stations from as many different WWL squares as possible. All contest's participants may work each other without limitations.

The Contest will take place on the 3<sup>rd</sup> weekend of July. Two separate contests are held during this weekend:

- The Main Field Day Contest on Saturday;
- The Sub-Contest on Sunday.

### 1. The Main Field Day Contest

The Main Field Day Contest is carried out on the three VUSHF bands as given below.

**1.1.** Each band's contest is divided into two 2-hours period as follows:

**1296MHz** contest on Saturday morning, 18.07.2020:  
I period 03:00-05:00 UTC, II period 05:00-07:00 UTC

**432 MHz** contest on Saturday afternoon, 18.07.2020:  
I period 13:00-15:00 UTC, II period 15:00-17:00 UTC

*then a 1-hour "coffee break" and*

**144 MHz** contest on Saturday evening, 18.07.2020:  
I period 18:00-20:00 UTC, II period 20:00-22:00 UTC

**1.2.** Modes are CW, SSB, FM, frequencies according to the IARU Reg.1 Band Plan.

**1.3.** Contest exchange: signal report (RS or RST), serial number of a QSO starting from 001 on each band and a 6-digit WWL symbol (like 599 001 KP00AA). Both call signs and the full exchange must be sent, received and logged.

**1.4.** Duplicate QSO rule: you can work a given station twice on each band regardless of mode as follows: first time during the I period and second time during the II period – the time interval between these contacts is not relevant.

**1.5.** Main Field Day Contest categories:

- A - Single operator single band (SOSB – any one of the three bands chosen)
- B - Single operator multi band (SOMB – i.e. 144, 432 and 1296 MHz)
- C - Multi operator multi band (MOMB - i.e. 144, 432 and 1296 MHz)

NB! QSOs may be made on several bands without jeopardizing single band entry status. Such additional contacts are encouraged and should be reported as check log. The chosen single band for SOSB count should be clearly indicated in the contest report.

**1.6.** Scoring of points:

- 144 MHz - 1 point per km of QRB
- 432 MHz - 2 points per km of QRB
- 1296 MHz - 3 points per km of QRB

QSO distance between two different stations located in the same identical WWL location (e.g. KP00AA<->KP00AA) count on:

144MHz: 3pts.

432MHz: 6pts.

1296MHz: 9 pts

Each new worked WWL grid (like KP00) count for 500 bonus points regardless of the band.

NB! For scoring in the contest at least one two-way contact must be made with an amateur radio station located in Estonia (ES).

\* For the computer scoring purposes the IARU recommended conversion factor of 111,2 km/degree must be used.

\* Contacts made through a repeater, via satellite or EME will not count for points.

\* Partial QSOs do not count. Both call signs and the full exchange must be sent, received and logged.

#### 1.7. Band score:

Band score is calculated as QSO points on the given band plus the sum of the bonus points on this band, for example: 144 MHz: 10 000 + (20 x 500) = 20 000 pts.

#### 1.8. Total score:

Total score for SOSB category is equal to the calculated band score.

Total score for categories SOMB and MOMB is the sum of the band scores.

## **2. The Sub-Contest**

The Sub-Contest is carried out on **50MHz and 70MHz** bands simultaneously:

08:00 -11:00 UTC on Sunday morning, 19.07.2020

**2.1.** Modes are CW, SSB, MGM (digital), frequencies according to the IARU Reg.1 Band Plan. For digital QSO-s appropriate frequencies for each type of mode should be used.

**2.2.** Contest exchange (harmonized with the CQWWVHF Contest exchange): callsign and 4-digit WWL grid (like ES1AA KO29) are required. Both callsigns and WWL grids must be sent, received and logged. However, the signal report (RS, RST or the value of a digital report) may be sent, received and also logged, but this is not obligatory.

**2.3.** Duplicate QSOs are not allowed on the same band. You can work a given station once in each band regardless of mode.

**2.4.** The Sub-Contest categories:

**SIX:** Single or Multi operator on 50MHz, CW and SSB modes only

**SIX+FOUR:** Single or Multi operator on 50MHz and 70MHz, CW, SSB and MGM modes -

NB! QSO-s on 70MHz are not obligatory here, but a MGM QSO puts an entrant automatically into SIX+FOUR category.

**2.5.** Scoring of points:

50MHz – 1 point per QSO

70MHz – 1 point per QSO

**2.6.** Multipliers:

The multiplier is the number of different WWL grids (like KP00) worked per band.

**2.7.** Band score:

The band score = the sum of QSO points multiplied by the number of worked WWL grids on the given band.

## 2.8. Total score:

For category **SIX**: 50MHz band score is counted as the final score

For category **SIX+FOUR**: the sum of total QSO points (50MHz+70MHz) multiplied by the value of total multiplier forms the final score.

## 3. Miscellaneous

- Only one transmitted signal is allowed per band regardless of mode at any given time;
- Stations can use DX clusters, self-spotting is not allowed;
- Stations are allowed to use web-applications (like ON4KST), but only callsign, frequency and QSO-timing info is allowed to be published;
- The use of non-amateur means to solicit a QSO is not allowed (telephone, web posts or social media apps).

## 4. Logs

- Electronic logs in **.edi format** are very much preferred, but also Cabrillo format logs for the Sub-Contest are accepted. Please rename the file(s) so that it contains the participant's call-sign, contest category and year (example ES1A\_MOMB\_2020.edi).

- Logging time - UTC.

- All operators of multi-operator stations must be listed by name and call-sign as well. Please indicate also your equipment and antennas and add comments and pictures for the contest's soapbox!

[The Contest Committee recommends N1MMLogger+ to be used for this contest \(VHF-ES-FD \(2m-23cm\) or ES6&4MFD \(6&4m\) can be chosen from the contest-list, if proper udc-files are copied into the UserDefinedContests folder of N1MM – see more info on setting up ES OPEN FD from ERAU website!](#)

## 5. Awards

The Winners in the Main Field Day Contest categories A, B, C as well as in the Sub-Contest category SIX and SIX+FOUR will be awarded with special trophies. Certificates will be awarded to the three top scoring stations in each category and also to the top scoring station in each DXCC country.

## 6. Disqualification:

Violation of amateur radio regulations in the country of the contestant or the rules of the contest, also unsportsmanlike conduct, taking credit for unverifiable contacts will be deemed sufficient cause for disqualification. Actions and decision of the contest committee are official and final.

## 7. Deadline for contest logs:

**Only electronic logs are accepted** - please send your log via e-mail the latest on 19-th of August 2020 to:

[esfd@erau.ee](mailto:esfd@erau.ee)

Thank you & CU in the contest!

ERAU VHF Committee