PACC 2024

1. Contest sponsor
The "Vereniging voor Experimenteel Radio Onderzoek in Nederland", VERON is pleased to announce the PACC 2024.

2. Contest Period
From 10 February 2024 1200 UTC until 11 February 2024 1200 UTC.

3. Categories:

• Non-Dutch stations (DXCC entity non-PA)

• SINGLE-OP ALL HIGH CW	Single Op, All Bands, CW
• SINGLE-OP ALL LOW CW	Single Op, All Bands, CW
• SINGLE-OP ALL HIGH SSB	Single Op, All Bands, SSB
• SINGLE-OP ALL LOW SSB	Single Op, All Bands, SSB
• SINGLE-OP ALL HIGH MIXED	Single Op, All Bands, MIXED
• SINGLE-OP ALL LOW MIXED	Single Op, All Bands, MIXED
• SINGLE-OP ALL QRP MIXED	Single Op, All Bands, MIXED
• MULTI-UNLIMITED ALL HIGH MIXED	Multi Op, All Bands, Multiple transmitters, MIXED
• SINGLE-OP <BAND> HIGH CW	Single Op, Single Band, CW
(where <BAND> = one of 160M, 80M, 40M, 20M, 15M, 10M)	
• SINGLE-OP <BAND> HIGH SSB	Single Op, Single Band, SSB
(where <BAND> = one of 160M, 80M, 40M, 20M, 15M, 10M)	
• SWL ALL MIXED	Single Op

• Dutch stations (DXCC entity PA)

• A.	**SINGLE-OP ALL HIGH CW**	Single Op, All Bands, CW
• A1.	**SINGLE-OP ALL LOW CW**	Single Op, All Bands, CW
• B.	**SINGLE-OP ALL HIGH SSB**	Single Op, All Bands, SSB
• B1.	**SINGLE-OP ALL LOW SSB**	Single Op, All Bands, SSB
• C.	**SINGLE-OP ALL HIGH MIXED**	Single Op, All Bands, MIXED
• C1.	**SINGLE-OP ALL LOW MIXED**	Single Op, All Bands, MIXED
• D.	**MULTI-ONE ALL HIGH MIXED**	Multi Op, Single transmitter, MIXED
• D1.	**MULTI-TWO ALL HIGH MIXED**	Multi Op, Two transmitters, MIXED
• E.	**MULTI-UNLIMITED ALL HIGH MIXED**	Multi Op, All Bands, Multiple transmitters, MIXED
• F.	**SINGLE-OP ALL QRP MIXED**	Single Op, All Bands, MIXED
• G.	**SWL ALL MIXED**	Single Op
• N.	**SINGLE-OP NOVICE LOW MIXED**	Single Op, All Novice Bands, MIXED
• N1.	**SINGLE-OP NOVICE LOW CW**	Single Op, All Novice Bands, CW
• N2.	**SINGLE-OP NOVICE LOW SSB**	Single Op, All Novice Bands, SSB

High Power (All Band or Single Band):
Total output power must not exceed the legal maximum power of your own country.

Low Power (All Band or Single Band):
Total output power must not exceed 100 Watt.

QRP (Mixed Band):
Total output power must not exceed 5 Watt.

Dutch novice:
Total output power must not exceed 100 Watt.
Dutch novice licensees (7000-7200, 14000-14350, 28000-29700 kHz)

Note: **see website with examples and table of valid Cabrillo categories!**
www.pacc.veron.nl

3.1 Contestbands and segments
These are 160M, 80M, 40M, 20M, 15M, 10M, but avoid interference with other contests running in the same weekend.

Please use frequencies according to the IARU Region 1 preferred (contest) segments:
CW: 1810-1840, 3500-3560, 7000-7040 and 14000-14060 kHz.
SSB: 1840-1880, 3600-3650, 3700-3800, 7060-7100, 7130-7200 and 14125-14300 kHz.
The band segments 3500-3510 kHz en 3775-3800 kHz should be used for intercontinental contacts only.

3.2 Single Band entrants operating other bands during the contest are encouraged to submit their logs for more than one band to aid in the log crosschecking process.
3.3 All entries are separated by World and The Netherlands. Club Competition (for Dutch (PA) single operators, including SWL participants, only).

4. Division ranking
4.1 Between VERON divisions ("afdelingen"). Division number (not QSL region) needs to be mentioned in the Cabrillo log "Club" tag (division name can be added optionally). The sum of the single operator and SWL operator scores of one division will give the division score. ATTENTION: This division ranking is not the same as the VERON "Afdelingscompetitie". Scores for the VERON "Afdelingscompetitie" have to be submitted separately on the website of the VERON "Afdelingscompetitie". The scores in the Cabrillo log are only counted for the PACC division ranking.

5. General Rules
5.1 Transmitters and receivers must be located within a 500-meter diameter circle. All antennas used by an entrant must be physically connected to the transmitters or receivers by wires (feedlines).
5.1.1 All categories of entrants are allowed to use spotting networks.
5.1.2 Self-spotting is not allowed during the contest. Soliciting contacts is forbidden.
5.1.3 Using other stations callsigns for the following - keeping the working frequency on the other bands, making schedules, DX-spotting - is prohibited.
5.2 Single Operator participants may change bands and modes without restrictions. Only one signal can be transmitted at any given time.
5.2.1 Single Operator: Those stations at which one (1) person performs all of operating, logging, and spotting functions.
5.3 All categories that are allowed to work MIXED mode, can work the same station twice per band, once in SSB and once in CW. For all MIXED mode categories: multipliers count **per band and per mode**.
5.4 MOST stations (Dutch (PA) section D) Only one transmitted signal on one band permitted during any 10-minute period (run station/signal). Exception: One — and only one — other transmitted signal (multiplier station/signal) may be used during any 10-minute period, if — and only if — it is on a different band from the run transmitter and the station worked is a new multiplier. The run and multiplier transmitters are governed by independent 10-minute rules. Ten-minute periods begin with the first QSO on a band. The log must indicate which station/signal (run or multiplier) made each QSO. The multiplier station/signal may not call CQ (solicit contacts). Please be sure to read the Multi-Single FAQ section at www.pacc.veron.nl
5.4.1 Changing bands is allowed not more than once every 10 minutes. Violating this rule will place the station in the MO2T category (D1).
5.5 MO2T stations (Dutch (PA) section D1) are allowed to transmit a maximum of two signals at any given time on different bands.
5.5.1 Per transmitter it is allowed to change bands not more than once every 10 minutes. Violating this rule will place the station in the MOMT category (E).
5.5.2 The log must indicate which transmitter made each QSO (according to the CABRILLO standard).
5.6 MOMT station (Dutch (PA) section E): No limit on the number of operators or transmitters. At any time, there is only one signal allowed per band.

6. Exchange:
6.1 Non-Dutch (Non-PA) stations: signal report + QSO number, starting with 001.
6.1.1 Non-Dutch (Non-PA) MOAB (Multi Op, All Bands) stations can use separate serial numbers for each band if using more than one transmitter at a time. If only one transmitter at a time is used, chronological serial numbers need to be used, but skipped numbers are allowed (e.g. as a result of blocking numbers for the multiplier station).
6.2 Dutch (PA) stations: signal report + province code (two letters).
There are 12 provinces: DR, FL, FR, GD, GR, LB, NB, NH, OV, UT, ZH and ZL
7. QSO Points
7.1 Each valid contact with another participating contest station is worth one (1) point. For foreign stations: only contacts with Dutch (PA) stations count. In MIXED mode (CW/SSB) a valid qso counts once per mode per band. For PA stations:

cross contest contacts (e.g. if the PACC coincides with the RSGB 160m contest) are considered valid as a long as a serial number is received. No cross mode or cross band contacts are allowed.

7.2 SWL stations count each individual heard PACC contest station (both Dutch (PA) and non-Dutch (Non-PA)) as 1 point provided both the calls and the exchange number of the heard station (i.e. RST + number or RST + Province) is logged of the QSO of concern. Each call counts only once per band, per mode and one particular contest station may not be logged as counter station more than 10 times per band.

7.2.1 All SWL QSO's should be logged during the contest.

8. Dupes

8.1 Dupes are contacts made with the same station on the same band. If the first contact between stations is valid, dupes have 0 points value. If the first contact is not valid, the second (dupe) contact is accepted.

8.2 DO NOT DELETE DUPES! Dupe contacts are not penalized; one does not have to mark them in the Cabrillo log submission.

Moreover, entrants are strongly recommended to leave DUPES in the log file.

9. Multipliers

9.1 Non-Dutch (Non-PA) stations (incl. SWL's): a multiplier of one (1) for each different Dutch (PA) province contacted on **each band on each mode**.

The Dutch (PA) province abbreviations are:

DR	= Drenthe	NB	= Noord-Brabant
FL	= Flevoland	NH	= Noord-Holland
FR	= Friesland	OV	= Overijssel
GD	= Gelderland	UT	= Utrecht
GR	= Groningen	ZH	= Zuid-Holland
LB	= Limburg	ZL	= Zeeland

9.2 Dutch (PA) stations (incl. SWLs):

• A multiplier of one (1) for each different DXCC entity (ARRL list) on **each band, each mode** including PA, with the following exceptions:

• A multiplier of one (1) for each different call area of Asiatic Russia (UA8/9/0), Chile (CE), Japan (JA), Argentina (LU), Brazil (PY), Canada (VE), USA, Australia (VK), South Africa (ZS) en New-Zealand (ZL) on each band, each mode.

Note 1: this means that Asiatic Russia has 3 call areas/multipliers: UA8, UA9 and UA0. Canadian call areas are interpreted as geographical districts, which means VE1, VO1, VY1, VE2, VO2, VY2, VY0 are all separate multipliers, but e.g. VE2, CG2, XK2 are all the same multiplier (VE2).

Note 2: A reciprocal call sign in one of the countries which have call areas as multipliers, but without a call area designation, is counted as the zero-call area, e.g. LU/G3XYZ gives multiplier LU0. Reciprocal calls in W, JA, VE and UA need to indicate their call area, otherwise the call should be regarded as invalid, e.g. W3/DL8ABC is valid, W/DL8ABC is invalid. (This means that, theoretically, PY0 is a separate multiplier besides PY0F, PY0S and PY0T).

Note 3: Call areas are taken as-is from the call sign, even if it is known that the station is located in a different area, UNLESS the station explicitly indicates it. E.g. K5ZD is multiplier W5, but K5ZD/1 would give multiplier W1.

Note 4: Special call signs will count for the call area to which they geographically belong (e.g. UE150SBM = UA0).

10. Final Score

Non-Dutch (NON PA) stations: the final score is the result of the total QSO points multiplied by the sum of province multipliers.

Dutch (PA) stations: the final score is the result of the total QSO points multiplied by the sum of country + call area multipliers.

11. General Log Submission Requirements

We need electronic logs! The PACC Manager requires electronic log in Cabrillo format only for every possible entry.

11.1 Submit your log in the CABRILLO format created by all major logging programs. The Cabrillo column definition for the PACC contest is exactly the same as for the ARRL and CQWW DX contests (see https://wwrof.org/cabrillo/).

The PACC contest with Cabrillo output is currently supported by the following programs: N1MM logger, W3KM GenLog, WinTest, SD, TLF, UcxLog, Writelog, PA0FLE and PA3AYQ (but there are probably more …).

SWLs can use SWL-DQR-log by SP7DQR (http://swl.veron.nl/SWL_Consoft.html).

11.2 All times must be in UTC. The Cabrillo format specifies strict chronological order for the full log; this includes Multi Op stations.

11.3 All sent and received exchanges are to be logged.

11.4 Filename for the log should be <yourcall.log> or <yourcall.cbr>

11.5 In the header part of the electronic log you **MUST** specify a category of entrance **and the full postal address** for mailing the participant PACC results and the token of merit. A written declaration is not necessary.

11.6 It is strongly recommended to upload your electronic log via the PACC web page. www.pacc.veron.nl (choose LOG button)

11.7 Hand-written logs are discouraged.

11.8 Points and final score calculations are not necessary; calculations are done by the log processing software.

11.9 Dupes should not be marked or deleted.

11.10 Multi Operator stations: the electronic log (Cabrillo) must include the transmitter (number) that made each QSO (provided more than one transmitter is used).

12. Log Submission Addresses and Terms

12.1 Logs must be submitted to the contest sponsors before February 16 23:59 UTC 2024.
   ATTENTION: THE LOG SUBMISSION PERIOD IS **5 DAYS**!

12.2 Electronic logs must be uploaded via **www.pacc.veron.nl** . choose the LOG button.
   You will get an acknowledgement via e-mail or a reason for rejection.

12.3 Paperlogs are strongly discouraged, but can only be sent to:

PACC Contest Manager, c/o VERON Central Bureau,

P.O. Box 1166,

6801 BD Arnhem,

The Netherlands.

12.4 A participant in the contest herewith agrees with publication by VERON of the results, including pictures or film in the monthly VERON-magazine Electron, as well as on the VERON-website and in other by VERON used and/or chosen media.

13. Certificates and prices

13.1 Dutch (PA) stations: The **VERON** donates prizes to the 1st, 2nd and 3rd place in each category listed under Section 3 only during the award ceremony at the HF day. All winners will be invited to obtain these prizes in an email addressed to the email address from which the log is submitted. In case someone is really not capable to (let someone) collect the prize, than please get in touch with the contest manager. All participants, including all operators of multi-op stations, who submit a valid log, will receive a token of merit.

13.2 Non-Dutch (Non-PA) stations: all participants who submit a valid log with a **correct (postal) address** will receive a token of merit. Electronic certificates will be made available for download for every one that submits an entry.

13.3 Club competition (PA only): Prices donated by the **VERON** to the 1st,2nd and 3rd place.

14. Contest-Related Information

14.1 All "Dutch PACC Contest" and related information (Rules, claimed/ confirmed scores, FAQ, additional information) is posted at the official PACC website **www.pacc.veron.nl**

14.2 Every participant will receive a token of merit and if they qualify a certificate.

14.3 Every participant, will receive an overview with his claimed/confirmed results separately by bands/modes and QSO list, containing his errors and errors of worked stations.

14.4 Any PACC related question should be sent via e-mail to **pacc@veron.nl**

15. Analysis

All PACC 2024 electronic logs are subject to computerized cross-check and analysis.

16. Penalties

 ➢ One QSO is penalized with 1 QSO point for the following:
   ▪ Incorrectly logged calls (BAD). These are calls, occurring in the database, but not in the other station's log (if it exists) and which could clearly be related to a similar station in the database which log is at hand.
   ▪ Incorrectly logged exchange numbers as revealed by cross-checking (BAD).
   ▪ The QSO is not present in the other received log.(NIL).

- QSO neither counted nor penalized for the following:
  - QSO time in entrant's log and other station's log difference is more than 5 minutes (except systematic computer errors).
  - QSO bands or modes in entrant's log and other station's log differ.
  - Dupe QSO which is not in the other station's log.
  - The other station is obviously not a contest participant ('001' exchange in multiple logs, other exchanges not found).
  - The other station listed in entrant's log exclusively, but calls with only one character difference are found in other logs and the received serial number is >'001' (UNIQUE+1).

- A QSO which is a UNIQUE (not in the database and cannot be related to a possible miss copy) will get normal credit. The Contest Manager will further check logs of stations with a far above average percentage of UNIQUES.

16.1 PACC Contestmanager decisions are final. PACC Contestmanager invites all the radio amateurs from The Netherlands and foreign countries to take part in the 2024 PACC Contest.

The PACC 2024 contestteam
Marcel Bos   PA9M Contestmanager
Aurelio Bellussi   PC5A
Hans Remeeus   PA0Q / OE3JRC