### STANDARD FORMAT FOR ELECTRONIC CONTEST LOG EXCHANGE (VIENNA 1998)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Electronic Data Interchange - EDI-file format for contests in Region 1 above 30 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scope</strong></td>
<td>This document is the specification for the Region 1 above 30 MHz contest file formats. Examples for commonly known contests are shown in the appendix. The aim is to make contest-log programmers able to deliver a standard (file) format from their programs, to enable contest managers to receive log data through various types of digital communication systems e.g. diskettes, e-mail, etc; for electronic evaluation purposes.</td>
</tr>
<tr>
<td><strong>Original</strong></td>
<td>Prepared by: Bo Hansen, OZ1FDJ, Søren Pedersen, OZ1FTU</td>
</tr>
</tbody>
</table>

**Format**

<table>
<thead>
<tr>
<th>[REG1TEST;1]File identifier;file version</th>
</tr>
</thead>
<tbody>
<tr>
<td>F TName=Contest name</td>
</tr>
<tr>
<td>TDate=Beginning;ending date of contest</td>
</tr>
<tr>
<td>PCall=Callsign used</td>
</tr>
<tr>
<td>PWWLo=WWL used</td>
</tr>
<tr>
<td>PEExch=Exchange used</td>
</tr>
<tr>
<td>F PAdr1=Address line 1 from where the contest took place</td>
</tr>
<tr>
<td>F PAdr2=Address line 2 from where the contest took place</td>
</tr>
<tr>
<td>F PSect=Section in which station participates</td>
</tr>
<tr>
<td>PBand=Band used during the contest</td>
</tr>
<tr>
<td>PClub=Club station where points can be accumulated</td>
</tr>
<tr>
<td>F RName=Name of responsible operator</td>
</tr>
<tr>
<td>RCall=Callsign of responsible operator</td>
</tr>
<tr>
<td>F RAdr1=Address line 1 of responsible operator</td>
</tr>
<tr>
<td>F RAdr2=Address line 2 of responsible operator</td>
</tr>
<tr>
<td>F RPoCo=Postal code of responsible operator</td>
</tr>
<tr>
<td>F RCity=City of responsible operator</td>
</tr>
<tr>
<td>F RCoun=Country of responsible operator</td>
</tr>
<tr>
<td>F RPhon=Phone number of responsible operator</td>
</tr>
<tr>
<td>F RHBBS=Home BBS of responsible operator</td>
</tr>
<tr>
<td>MOpe1=Multi operator line 1</td>
</tr>
<tr>
<td>MOpe2=Multi operator line 2</td>
</tr>
<tr>
<td>F STXEq=TX equipment</td>
</tr>
<tr>
<td>F SPowe=TX power [W]</td>
</tr>
<tr>
<td>F SRXEq=RX equipment</td>
</tr>
<tr>
<td>F SANte=Antenna</td>
</tr>
<tr>
<td>F SAntH=Antenna height above ground level [m];height above sea level [m]</td>
</tr>
<tr>
<td>CQSOs=Claimed number of valid QSOs;Band multiplier</td>
</tr>
<tr>
<td>CQSOAP=Claimed number of QSO-points</td>
</tr>
<tr>
<td>CWWLS=Claimed number of WWLs;Bonus per each new WWL;WWL multiplier</td>
</tr>
<tr>
<td>CWWL=Claimed number of WWL bonus points</td>
</tr>
<tr>
<td>CExc=Claimed number of Exchanges;Bonus per each new Exchange;Exchange multiplier</td>
</tr>
<tr>
<td>CExcB=Claimed number of Exchange bonus points</td>
</tr>
<tr>
<td>CDXCs=Claimed number of DXCCs;Bonus per each new DXCC;DXCC multiplier</td>
</tr>
<tr>
<td>CDXCB=Claimed number DXCC bonus</td>
</tr>
<tr>
<td>CToSc=Claimed total score</td>
</tr>
<tr>
<td>CODXC=Call;WWL;distanceBest DX contact</td>
</tr>
<tr>
<td>[Remarks]Remarks identifier</td>
</tr>
<tr>
<td>QSORecords=Number of QSO records following]QSO records identifier;number of QSO records following</td>
</tr>
</tbody>
</table>
| Date;Time;Call;Mode code;Sent-RST;Sent QSO number;Received-RST;Received QSO number;Received exchange;Received-WWL;QSO-Points;New-Exchange-(N);New-WWL-(N);New-DXCC-(N);Duplicate-QSO- (D) \n
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Explanation of keywords
Keywords are defined as the word in front of the actual argument. The keyword is separated from the argument with an equal sign (=).

[REG1TEST:1]
REG1TEST:1 is the file identifier and the file version. It serves as indicator for which format and version is being used and where data begins.

TName
Argument describes the name of the contest in which the station participated.

TDate
Arguments describe the beginning and ending dates of the contest. Arguments are separated with a semicolon (;). Arguments are written as YYYYMMDD.

PCall
Argument describes the callsign used during the contest.

PWWLo
Argument describes own World Wide Locator (WWL, Maidenhead, Universal Locator) used during the contest. Maximum length is six characters.

PEch
Argument describes own Exchange during the contest. This can be any type of information, e.g. Province, DOK, County, State, Power, Name. Maximum length is six characters.

PAdr1
Argument describes the address of the QTH used during the contest, line 1.

PAdr2
Argument describes the address of the QTH used during the contest, line 2.

PSect
Argument describes in which section the station is participating. Synonyms to the meaning "section" are: class, category, group etc.

PBand
Argument describe which band was used during the contest. Please note the bands and which frequency range they represent in the table below:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>PBand</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 - 54 MHz</td>
<td>50 MHz</td>
</tr>
<tr>
<td>70 - 70.5 MHz</td>
<td>70 MHz</td>
</tr>
<tr>
<td>144 - 148 MHz</td>
<td>145 MHz</td>
</tr>
<tr>
<td>430 - 440 MHz</td>
<td>435 MHz</td>
</tr>
<tr>
<td>1240 - 1300 MHz</td>
<td>1.3 GHz</td>
</tr>
<tr>
<td>2300 - 2450 MHz</td>
<td>2.3 GHz</td>
</tr>
<tr>
<td>3400 - 3600 MHz</td>
<td>3.4 GHz</td>
</tr>
<tr>
<td>5650 - 5850 MHz</td>
<td>5.7 GHz</td>
</tr>
<tr>
<td>10.0 - 10.5 GHz</td>
<td>10 GHz</td>
</tr>
<tr>
<td>24.0 - 24.25 GHz</td>
<td>24 GHz</td>
</tr>
<tr>
<td>47.0 - 47.2 GHz</td>
<td>47 GHz</td>
</tr>
<tr>
<td>75.5 - 81 GHz</td>
<td>76 GHz</td>
</tr>
<tr>
<td>120 - 120 GHz</td>
<td>120 GHz</td>
</tr>
<tr>
<td>142 - 148 GHz</td>
<td>144 GHz</td>
</tr>
<tr>
<td>241 - 250 GHz</td>
<td>248 GHz</td>
</tr>
</tbody>
</table>

PClub
Argument describes the callsign of the radio club where operator(s) are member. Can be used if points are accumulated to the club etc.

RName
Argument describes the given- and surname of the responsible operator.

RCall
Argument describes the callsign of the responsible operator.

Adr1
Argument describes the address of the responsible operator, line 1.

Adr2
Argument describes the address of the responsible operator, line 2.

RHBBS
Argument describes the Bulletin Board System or electronic mail address of the responsible operator.

MOpe1
Arguments describe the operators participating in the contest. line 1. All arguments separated with a semicolon (;). Responsible operator is not needed in this argument.

MOpe2
Arguments describe the operators participating in the contest, line 2. All arguments are separated with a semicolon (;). Responsible operator is not needed in this argument.

STXEq
Argument describes the transmitting equipment used during the contest.

SPowe
Argument describes the transmitting power used during the contest, unit is Watt.

SRXEq
Argument describes the receiving equipment used during the contest.

SAnTe
Argument describes the antenna system used during the contest.

SANH
Arguments describe the antenna height above ground level and sea level, unit is meter. All arguments separated with a semicolon (;).

CQSOS
Arguments describe the claimed number of valid QSOs and the band multiplier. All arguments are separated with a semicolon (;).

CQSO
Argument describes the claimed total number of QSO-points. The format does not specify that QSO-points can only be based upon distances.

CWWLs
Arguments describe the claimed number of WWLs worked, the number of bonus points claimed for each new WWL and the WWL multiplier. All arguments are separated with a semicolon (;). If no bonus points are claimed then bonus points per each new WWL are set to zero (0). If no multiplication is used for each new WWL the multiplier is set to one (1).

CWWLB
Argument describes the claimed total number of WWL bonus points.

CEXcs
Arguments describe the claimed number of Exchanges worked, the number of bonus points claimed for each new Exchange and the Exchange multiplier. All arguments are separated with a semicolon (;).

If no bonus points are claimed then bonus points per each new Exchange are set to zero (0). If no multiplication is used for each new Exchange the multiplier is set to one (1).
CExxB
Argument describes the claimed total number of Exchange bonus points.

CDXCs
Arguments describe the claimed number of DXCCs worked, the number of bonus points claimed for each new DXCC and the DXCC multiplier. All arguments are separated with a semicolon (;).

If no bonus points are claimed then bonus points per each new DXCC are set to zero (0). If no multiplication is used for each new DXCC the multiplier is set to one (1).

CDXCB
Argument describes the claimed total number of DXCC bonus points.

CToSc
Argument describes the total claimed score. The format does not specify how the total score is calculated.

CODXC
Arguments describe the claimed ODX contact call, WWL and distance. All arguments are separated with a semicolon (;).

[Remarks]
The [Remarks] identifier is used to mark where the Remarks begins. All lines following, until [QSORecords:Number of QSO records following], are remarks. If no remarks are written identifier must still be present.

Remarks lines
Remarks lines are where the station may write comments to the test. The number of lines is variable. All lines in between [Remarks] and [QSORecords:Number of QSO records following] are remarks.

[QSORecords:Number of QSO records following]
The [QSORecords:Number of QSO records following] is the QSO record identifier used to mark where QSO records begins, and how many consecutive QSO records to follow.

QSO record definition
Date;Time;Call;Mode code;Sent-RST;Sent QSO number;Received RST;Received QSO number;Received Exchange;Received-WWL;QSO-Points;New-Exchange-(N);New-WWL-(N);New-DXCC-(N);Duplicate-QSO-(D) All arguments are separated with a semicolon (;).

All fields in the QSO record is written on the same line, and ending with ASCII characters 13 and 10 (CR LF).

Field Maximum length
Date = YMMDD 6
characters
Time = UTC, 4 characters, with leading zeros
Call = 3 to 14 characters
Mode code = 0 or 1 character
Sent-RST = 0 or 2 or 3 characters
Sent QSO number = 0 or 3 or 4 characters, with leading zeros
Received-RST = 0 or 2 or 3 characters
Received QSO number = 0 or 3 or 4 characters, with leading zeros
Received Exchange = 0 or 1 to 6 characters (see also PExch)
Received WWL = 0 or 4 or 6 characters
World Wide Locator = 0 or 6 characters
QSO points = 1 to 6 characters
characters, including bandmultiplier
New-Exchange = 0 or 1 character, "N" if QSO is a new exchange
New-WWL = 0 or 1 character, "N" if QSO is a new WWL
New-DXCC = 0 or 1 character, "N" if QSO is a new DXCC
Duplicate-QSO = 0 or 1 character, "D" if contact is a duplicate QSO

+ field separators, 14
75

Mode code
The mode code is used to show which modes were used for the QSO. Below is a list of the code with corresponding modes.

\[
\begin{array}{lll}
\text{Mode code} & \text{TX mode} & \text{RX mode} \\
0 & \text{non of below} & \text{non of below} \\
1 & \text{SSB} & \text{SSB} \\
2 & \text{CW} & \text{CW} \\
3 & \text{SSB} & \text{CW} \\
4 & \text{CW} & \text{SSB} \\
5 & \text{AM} & \text{AM} \\
6 & \text{FM} & \text{FM} \\
7 & \text{RTTY} & \text{RTTY} \\
8 & \text{SSTV} & \text{SSTV} \\
9 & \text{ATV} & \text{ATV} \\
\end{array}
\]

If the mode is not important it can be left blank, i.e. not stated in rules/invitation.

Characters
Used characters are in accordance with the 7-bit ASCII alphabet and only characters with the following decimal number are allowed 10, 13, 32-127.

Line length
If line length is already specified it must not be exceeded, other lines must not exceed a length of 75 characters. Length is limited due to Packet Radio transferral.

F
All lines, in the format description, with the "F" denote that entry is a free format. This means that any of the above characters in the 7-bit ASCII alphabet can be used.

All other entries are forced format and characters, as above, are in capital. All numbers in forced format are positive integers and non-exponential notation and entry can not be left empty, i.e. 0 (zero) or greater. All forced formats must be in accordance with SI-units (Système International).

Separator (;)
This separator semicolon (;) is written to separate multiple information on same line.

If the format is used for a contest which does not use some of the QSO exchanges, i.e. QSO no., WWL and Exchange, these fields are left blank. Proper interpretation must be ensured by manager program.

Faulty QSOs
A duplicate QSO is marked with a "D" in the Duplicate-QSO field, and the QSO-points field is set to 0 (zero). The format does not define when a QSO is a duplicate.

An incomplete QSO is written with the information received, and the QSO-points field is set to zero (0).

In case of a mistake, an error mark must be inserted in the Callsign field to keep a correct flow in the number of QSOs records. The error mark must be an "ERROR" and the other fields except Time and Sent QSO no., if used, can be left empty. In case the empty field is accumulated, e.g. QSO-points, it is set to 0 (zero).

QSO numbers
The format does not define in what order the QSO numbers must be listed. It is possible to use the format to submit logs for contests requiring consecutive numbers for all QSOs, even if they are on different bands.

Missing information
If a contest log program can not fill in all the information, the missing information can be left blank, except if information is needed for claiming/calculating scores, e.g. log program cannot identify WWLs, DXCCs etc. If the information is required for the scores this log program can not be used for this particular contest anyway.
Region 1 Contest, standard type

[REG1TEST;1]
TName=iARU Region 1, March contest VHF
TDate=19950304;19950305
PCall=OZ1FDJ
PWWLo=JO65FR
PExch=8
PAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
PAdr2=9
PSet=Multi operator
PBand=144 MHz
PClub=OZ2AGR
RName=Bo Hansen
RCall=OZ1FDJ
RAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
RAdr2=9
RPhon=(+45) 42 91 53 98
RCity=Herlev
RCoun=DENMARK
PCall=OZ1FDJ
PWWLo=JO65FR
MOp=1
MOp=2
STXEq=0
SRXEq=FT-225RD+MuTek+BF981 1.5 dBF
SPowe=90
SRXEq=FT-225RD+MuTek+BF981 1.5 dBF
SAnte=9 elements OZ5HF
SAnte=9 elements OZ5HF
SAnth=14:41
CQSOs=24:1
CQSOs=0
CWWLB=11579
CWWLB=9505
CExcs=0:0:1
CExcs=0:0:1
CDXCs=7:0:1
CDXCs=7:0:1
CDXCB=0
CDXCB=0
CToQc=11579
CToQc=11579
CQSDC=OY9JD;IP62OA;1302
CQSDC=OY9JD;IP62OA;1302
[REG1TEST;1]
TDate=19950318;19950318
TDate=19950318;19950318
[REG1TEST;1]
CQSOP=11579
CQSOP=11579

AGCW DL VHF Contest (contest manager: DJ2QZ)

[REG1TEST;1]
TName=AGCW contest 2 m
TDate=19950318;19950318
PCall=OZ1FDJ
PWWLo=JO65FR
PExch=8
PAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
PAdr2=9
PSet=Multi operator
PBand=144 MHz
PClub=OZ2AGR
RName=Bo Hansen
RCall=OZ1FDJ
RAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
RAdr2=9
RPhon=(+45) 42 91 53 98
RCity=Herlev
RCoun=DENMARK
PCall=OZ1FDJ
PWWLo=JO65FR
MOp=1
MOp=2
STXEq=FT-225RD+MRF247
SPowe=90
SRXEq=FT-225RD+MuTek+BF981 1.5 dBF
SPowe=90
SRXEq=FT-225RD+MuTek+BF981 1.5 dBF

[Remarks]

Nice with the Aurora, made it possible to work more than usual.

[QSORecords;29]

950318:1600;OZ5SIG:2:599:001:599:006:B;JO65ER;6:N;N;
950318:1602;DL5BBF:2:549:002:599:023:C;JO42LT;396:N;N;
950318:1609;DL5BBF:2:549:004:519:092:C;JO40XL;608:N;N;
950318:1614;DF0TAU:2:549:005:599:084:B;JO40OO;606:N;
950318:1618;DJ3QP:2:559:006:599:095:C;JO42FB;485:N;N;
950318:1625;DG0TR:2:539:007:539:006:A;JO53QP;242:N;N;
950318:1628;DL5WU:2:559:008:539:108:C;JO310F;609:N;
950318:1630;DL3LAB:2:539:009:539:046:C;JO44XS;191:N;
950318:1632;DL5T8X:2:569:010:599:033:C;JO35AO;283:N;
950318:1653;OZ1AOO:2:599:012:599:001:B;JO65FR;1:N;N;
950318:1703:ERROR:;013:;000:;N;N;
950318:1718;DL5WU:2:559:014:529:174:C;JO30FG;688:N;
950318:1726;SM5HFI:2:539:015:549:019:C;JP70TO;573:N;
950318:1740;OH2AAQ:2:559:018:579:024:C;KO29FX;891:N;
950318:1746;SM5BSZ:2:559:020:579:029:C;JO89J;480:N;
950318:1800;SK5BN:2:519:021:559:026:C;JBP0UA;585:N;
950318:1820;DL9LB:2:529:022:559:056:C;JO44UP;213:N;
950318:1830;SK6NP:2:559:023:539:029:B;JO66MB;262:N;
950318:1836;OH1MDR:2:529:024:579:023:C;KP01V;830:N;
950318:1846;OZ5SIG:2:599:026:599:006:B;JO65ER;0:0:0:0:

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