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

Electronic Data Interchange - EDI-file format for contests in Region 1 above 30 MHz. 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. (Prepared by: Bo Hansen, OZ1FDJ, Søren Pedersen, OZ1FTU)

### 4.12.1 Format

```
  [REG1TEST;1]File identifier;file version
F TName=Contest name
  TDate=Beginning;ending date of contest
  PCall=Callsign used
  PWWLo=WWL used
  PExch=Exchange used
F PAdr1=Address line 1 from where the contest took place
F PAdr2=Address line 2 from where the contest took place
F PSect=Section in which station participates
  PBand=Band used during the contest
  PClub=Club station where points can be accumulated
F RName=Name of responsible operator
  RCall=Callsign of responsible operator
F RAdr1=Address line 1 of responsible operator
F RAdr2=Address line 2 of responsible operator
F RPoCo=Postal code of responsible operator
F RCity=City of responsible operator
F RCoun=Country of responsible operator
F RPhon=Phone number of responsible operator
F RHBBS=Home BBS of responsible operator
  MOpe1=Multi operator line 1
  MOpe2=Multi operator line 2
F STXEq=TX equipment
F SPowe=TX power [W]
F SRXEq=RX equipment
F SAnte=Antenna
F SAntH=Antenna height above ground level [m];height above sea level [m]
  CQSOs=Claimed number of valid QSOs;Band multiplier
  CQSOP=Claimed number of QSO-points
  CWWLs=Claimed number of WWLs;Bonus per each new WWL;WWL multiplier
  CWWLB=Claimed number of WWL bonus points
  CExcs=Claimed number of Exchanges;Bonus per each new Exchange;Exchange multiplier
  CExcB=Claimed number of Exchange bonus points
  CDXCs=Claimed number of DXCCs;Bonus per each new DXCC;DXCC multiplier
  CDXCB=Claimed number DXCC bonus
  CToSc=Claimed total score
  CODXC=Call;WWL;distanceBest DX contact
  [Remarks]Remarks identifier
F Remarks lines
  [QSORecords;Number of QSO records following]QSO records identifier;number of QSO records
following
  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)
```

### 4.12.2 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.

**PExch**
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 Asection@ 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:

| *Frequency* | | *PBand* |
|---|---|---|
| 50 - 54 MHz | = | 50 MHz |
| 70 - 70,5 MHz | = | 70 MHz |
| 144 - 148 MHz | = | 145 MHz |
| 430 - 440 MHz | = | 435 MHz |
| 1240 - 1300 MHz | = | 1,3 GHz |
| 2300 - 2450 MHz | = | 2,3 GHz |
| 3400 - 3600 MHz | = | 3,4 GHz |
| 5650 - 5850 MHz | = | 5,7 GHz |
| 10,0 - 10,5 GHz | = | 10 GHz |
| 24,0 - 24,25 GHz | = | 24 GHz |
| 47,0 - 47,2 GHz | = | 47 GHz |
| 75,5 - 81 GHz | = | 76 GHz |
| 120 - 120 GHz | = | 120 GHz |
| 142 - 148 GHz | = | 144 GHz |
| 241 - 250 GHz | = | 248 GHz |

**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.

**RAdr2**
Argument describes the address of the responsible operator, line 2.

**RPoCo**
Argument describes the postal code of the responsible operator.

**RCity**
Argument describes the city of the responsible operator.

**RCoun**
Argument describes the country of the responsible operator.

**RPhon**
Argument describes the telephone number of the responsible operator.

**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.

**SAntH**
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 (;).

**CQSOP**
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).

**CExcB**
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 | = | YYMMDD, 6 characters | 6 |
| Time | = | UTC, 4 characters, with leading zeros | 4 |
| Call | = | 3 to 14 characters | 14 |
| Mode code | = | 0 or 1 character | 1 |
| Sent-RST | = | 0 or 2 or 3 characters | 3 |
| Sent QSO number | = | 0 or 3 or 4 characters, with leading zeros | 4 |
| Received-RST | = | 0 or 2 or 3 characters | 3 |
| Received QSO number | = | 0 or 3 or 4 characters, with leading zeros | 4 |
| Received Exchange | = | 0 or 1 to 6 characters (see also PExch) | 6 |
| Received WWL | = | 0 or 4 or 6 characters, World Wide Locator | 6 |
| QSO points | = | 1 to 6 characters, including bandmultiplier | 6 |
| New-Exchange | = | 0 or 1 character, "N" if QSO is a new exchange | 1 |
| New-WWL | = | 0 or 1 character, "N" if QSO is a new WWL | 1 |
| New-DXCC | = | 0 or 1 character, "N" if QSO is a new DXCCL | 1 |
| Duplicate-QSO | = | 0 or 1 character, "D" if contact is a duplicate QSO | 1 |
| | | 61 | |
| | | + 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.

| *Mode code* | *TX mode* | *RX mode* |
|---|---|---|
| 0 | non of below | non of below |
| 1 | SSB | SSB |
| 2 | CW | CW |
| 3 | SSB | CW |
| 4 | CW | SSB |
| 5 | AM | AM |
| 6 | FM | FM |
| 7 | RTTY | RTTY |
| 8 | SSTV | SSTV |
| 9 | ATV | ATV |

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.

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.

The following section describes different EDI-files for various commonly known contest types.

### 4.12.3 Region 1 Contest, standard type

```
[REG1TEST;1]
TName=IARU Region 1, March contest VHF
TDate=19950304;19950305
PCall=OZ1FDJ
PWWLo=JO65FR
PExch=
PAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
PAdr2=
PSect=Multi operator
PBand=144 MHz
PClub=OZ2AGR
RName=Bo Hansen
RCall=OZ1FDJ
RAdr1=Herlevgaardsvej 32 A, st. tv.
RAdr2=
RPoCo=DK-2730
RCity=Herlev
RCoun=DENMARK
RPhon=(+45) 42 91 53 98
RHBBS=OZ6BBS
MOpe1=OZ1FTU
MOpe2=
STXEq=FT-225RD+MRF247
SPowe=90
SRXEq=FT-225RD+MuTek+BF981 1,5 dB NF
SAnte=9 elements OZ5HF
SAntH=14;41
CQSOs=24;1
CQSOP=11579
CWWLs=19;0;1
CWWLB=0
CExcs=0;0;1
CExcB=0
CDXCs=7;0;1
CDXCB=0
CToSc=11579
CODXC=OY9JD;IP62OA;1302
[Remarks]
Nice with the Aurora, made it possible to work more than usual
```

```
in a 24 h contest. Nice to hear Jon (OY9JD) again, but, many
stations calling so no time for chat.
Besides the Aurora there was only little activity, as usual, in Scandanivia.
[QSORecords;26]
950304;1445;OZ9SIG;1;59;001;59;006;;JO65ER;6;;N;N;
950304;1446;DL5BBF;1;54;002;59;023;;JO42LT;396;;N;N;
950304;1449;OZ1HLB/P;1;59;003;59;015;;JO55US;48;;N;;
950304;1450;DL6FBL;1;53;004;51;092;;JO40XL;608;;N;;
950304;1454;DF0TAU;1;54;005;59;084;;JO40QO;606;;;;
950304;1508;DJ3QP;1;55;006;59;095;;JO42FB;485;;;;
950304;1510;DG5TR;1;53;007;53;006;;JO53QP;242;;N;;
950304;1519;DL0WU;1;55;008;53;108;;JO31OF;609;;N;;
950304;1528;DL3LAB;1;59;009;59;046;;JO44XS;191;;N;;
950304;1532;DL5XV;1;56;010;59;033;;JO53AO;283;;;;
950304;1544;OZ8RY/A;1;56;011;57;010;;JO66HB;39;;N;;
950304;1553;OZ1AOO;1;59;012;59;001;;JO65FR;1;;;;
950304;1603;ERROR;;;013;;;;;0;;;;
950304;1618;DL0WX;1;53;014;52;174;;JO30FQ;688;;N;;
950304;1626;SM4HFI;2;53A;015;54A;019;;JP70TO;573;;N;N;
950304;1631;GM4YXI;2;57A;016;55A;015;;IO87WI;911;;N;N;
950304;1636;OH2AAQ;2;52A;017;59A;015;;KO29FX;851;;N;N;
950304;1640;OH2BNH;2;55A;018;57A;024;;KP20LG;891;;N;;
950304;1641;LA2AB;1;59A;019;57A;027;;JO59FV;479;;N;N;
950304;1646;SM5BSZ;2;55A;020;57A;029;;JO89IJ;480;;N;;
950304;1700;SK5BN;2;51A;021;55A;026;;JP80UE;585;;N;;
950304;1720;DL9LBA;2;529;022;559;056;;JO44UP;213;;;;
950304;1730;SK6NP;2;559;023;539;029;;JO68MB;262;;N;;
950304;1736;OH1MDR;2;52A;024;57A;023;;KP01VJ;830;;N;;
950304;1739;OY9JD;2;51A;025;52A;011;;IP62OA;1302;;N;N;
950304;1826;OZ9SIG;1;59;026;59;006;;JO65ER;0;;;;D
```

### 4.12.4 AGCW DL VHF Contest (contest manager: DJ2QZ)

```
[REG1TEST;1]
TName=AGCW contest 2 m
TDate=19950318;19950318
PCall=OZ1FDJ
PWWLo=JO65FR
PExch=C
PAdr1=Herlevgaardsvej 32 A, st. tv., DK-2730 Herlev
PAdr2=
PSect=C
PBand=144 MHz
PClub=OZ2AGR
RName=Bo Hansen
RCall=OZ1FDJ
RAdr1=Herlevgaardsvej 32 A, st. tv.
RAdr2=
RPoCo=DK-2730
RCity=Herlev
RCoun=DENMARK
RPhon=(+45) 42 91 53 98
RHBBS=OZ6BBS
MOpe1=
MOpe2=
STXEq=FT-225RD+MRF247
SPowe=90
SRXEq=FT-225RD+MuTek+BF981 1,5 dB NF
SAnte=9 elements OZ5HF
SAntH=14;41
CQSOs=24;1
CQSOP=11579
CWWLs=19;500;1
CWWLB=9500
CExcs=3;0;1
CExcB=0
CDXCs=7;0;1
CDXCB=0
CToSc=11579
CODXC=OY9JD;IP62OA;1302
[Remarks]
Nice with the Aurora, made it possible to work more than usual.
Nice to hear Jon (OY9JD) again, but, many stations calling so no time for chat.
Besides the Aurora there was only little activity, as usual, in Scandanivia.
[QSORecords;26]
```

```
950318;1600;OZ9SIG;2;599;001;599;006;B;JO65ER;6;N;N;N;
950318;1602;DL5BBF;2;549;002;599;023;C;JO42LT;396;N;N;N;
950318;1607;OZ1HLB/P;2;599;003;599;015;C;JO55US;48;;N;;
950318;1609;DL6FBL;2;539;004;519;092;C;JO40XL;608;;N;;
950318;1614;DF0TAU;2;549;005;599;084;B;JO40QO;606;;;;
950318;1618;DJ3QP;2;559;006;599;095;C;JO42FB;485;;;;
950318;1625;DG5TR;2;539;007;539;006;A;JO53QP;242;N;N;;
950318;1628;DL0WU;2;559;008;539;108;C;JO31OF;609;;N;;
950318;1630;DL3LAB;2;599;009;599;046;C;JO44XS;191;;N;;
950318;1632;DL5XV;2;569;010;599;033;C;JO53AO;283;;;;
950318;1644;OZ8RY/A;2;569;011;579;010;A;JO66HB;39;;N;;
950318;1653;OZ1AOO;2;599;012;599;001;A;JO65FR;1;;;;
950318;1703;ERROR;;;013;;;;;0;;;;
950318;1718;DL0WX;2;539;014;529;174;C;JO30FQ;688;;N;;
950318;1726;SM4HFI;2;53A;015;54A;019;C;JP70TO;573;;N;N;
950318;1731;GM4YXI;2;57A;016;55A;015;C;IO87WI;911;;N;N;
950318;1736;OH2AAQ;2;52A;017;59A;015;C;KO29FX;851;;N;N;
950318;1740;OH2BNH;2;55A;018;57A;024;C;KP20LG;891;;N;;
950318;1741;LA2AB;2;59A;019;57A;027;C;JO59FV;479;;N;N;
950318;1746;SM5BSZ;2;55A;020;57A;029;C;JO89IJ;480;;N;;
950318;1800;SK5BN;2;51A;021;55A;026;C;JP80UE;585;;N;;
950318;1820;DL9LBA;2;529;022;559;056;C;JO44UP;213;;;;
950318;1830;SK6NP;2;559;023;539;029;B;JO68MB;262;;N;;
950318;1836;OH1MDR;2;52A;024;57A;023;C;KP01VJ;830;;N;;
950318;1839;OY9JD;2;51A;025;52A;011;C;IP62OA;1302;;N;N;
950318;1846;OZ9SIG;2;599;026;599;006;B;JO65ER;0;;;;D
```