

ANNEX 3

Basic characteristics to be communicated for coordination

1. Database structure

The database consists of records separated by the “Carriage return - Line feed” (CrLf) pair of characters. The record consists of number of fields containing ASCII characters. Each field is uniquely defined by its position within the record.

The interpretation of the record is unambiguously defined by the fields “File identifier” (Field 1).

Every record in the database is uniquely defined by the combination of first 17 characters.

The following rules are applied when importing data files which deviate from the standard structures:

- non-ASCII characters are replaced by blanks (blank is the “space” character);
- records shorter than standard length are padded by blanks to the standard length;
- records longer than standard length are truncated to the standard length;
- a single Carriage return character is replaced with CrLf pair;
- a single Line feed character is replaced with CrLf pair;
- an ambiguous value of identification code (Field 3) is replaced by a new value generated by the database housekeeper.

2. Record descriptions

Table A3.1

CEPT analogue television transmitter database record

Field	Item	Start Column	Width	Type
1	File identifier, must be TVA1	1	4	A4
2	ITU code for administration responsible	5	3	A3
3	Identification code used by organisation	8	9	A9
4	Update code used by organisation	17	1	A1
5	Space reserved for serial number (e.g. ITU No.)	18	9	A9
6	Status code (<u>O</u> perating/ <u>N</u> ot operating)	27	1	A1
7	Date of entry into operation (DDMMYYYY)	28	8	2I2, I4
8	ITU code for country in which transmitter is sited	36	3	A3
9	Station name	39	20	A20
10	Latitude (in degrees, N/S, min., sec.)	59	7	I2, A1, 2I2
11	Longitude (in degrees, E/W, min., sec.)	66	8	I3, A1, 2I2
12	Height of site (m asl; as sign followed by a number)	74	5	I5
13	Television system (<u>B</u> / <u>D</u> , ... etc.)	79	2	A2
14	Colour system (<u>P</u> al, <u>S</u> ecam, or <u>N</u> TSC)	81	1	A1
15	Channel	82	3	A3
16	Vision offset value (in 1/12 line units; as sign followed by a number)	85	4	I4
17	Nominal vision carrier frequency in MHz (including decimal point)	89	9	F9.3
18	Vision offset value in Hz (as sign followed by a number)	98	8	I8
19	Offset type (<u>U</u> nspecified/ <u>N</u> ormal/ <u>P</u> recision/ <u>S</u> ynchronised)	106	1	A1
20	Maximum vision e.r.p. of horizontally polarised component (in dBW; as sign followed by a number including a decimal point)	107	5	F5.1
21	Maximum vision e.r.p. of vertically polarised component (in dBW; as sign followed by a number including a decimal point)	112	5	F5.1
22	Nominal primary sound carrier frequency minus nominal vision carrier frequency in MHz (as a number including a decimal point; if value is negative, e.g. System L at VHF, include sign in first column of field)	117	4	F4.1
23	Primary Sound carrier offset (zero, unless a special sound offset is in use) value in Hz (for system L only)	121	7	I7
24	Vision to primary sound carrier power ratio (in dB)	128	2	I2

Field	Item	Start Column	Width	Type
25	Nominal secondary sound carrier frequency minus nominal vision carrier frequency in MHz (as a number including a decimal point; if value is negative, e.g. System L at VHF, include sign in first column of field)	130	6	F6.2
26	Unused columns	136	6	
27	Secondary sound system (<u>F</u> M/ <u>N</u> icam; leave blank if no secondary sound system)	142	1	A1
28	Vision to secondary sound carrier power ratio (in dB)	143	2	I2
29	Polarisation (<u>H</u> / <u>V</u> / <u>M</u>)	145	1	A1
30	Height of antenna (m a.g.l.)	146	3	I3
31	Directional? (<u>D</u> irectional/ <u>N</u> on-directional)	149	1	A1
32	36 values of e.r.p. reduction (in dB) of the horizontally polarised component in the horizontal plane relative to the maximum e.r.p. of the horizontally polarised component as given in field 20 (at 10 degrees intervals, starting at North)	150	72	36I2
33	36 values of e.r.p. reduction (in dB) of the vertically polarised component in the horizontal plane relative to the maximum e.r.p. of the vertically polarised component as given in field 21 (at 10 degrees intervals, starting at North)	222	72	36I2
34	Elevation angle of the horizontally polarised component (in degrees, negative if above the horizontal)	294	4	F4.1
35	Unused columns	298	2	
36	Elevation angle of the vertically polarised component (in degrees, negative if above the horizontal)	300	4	F4.1
37	Unused columns	304	2	
38	Unused column	306	1	
39	Maximum effective antenna height (m)	307	5	I5
40	36 values of effective antenna height (in m, at 10 degrees intervals, starting at North)	312	180	36I5
41	Organisation name or code	492	5	A5
42	Programme identifier	497	5	A5
43	Date of last change to data on file (DDMMYYYY)	502	8	2I2, I4
44	Designation of emission for the vision signal	510	9	A9
45	Designation of emission for the primary sound signal	519	9	A9
46	Designation of emission for the secondary sound signal	528	9	A9
47	Unused columns. May be used for comments	537	231	
99	Reserved for database housekeeping purposes	768	32	A32

Table A3.2

CEPT digital television transmitter database record

Field	Item	Start Column	Width	Type
1	File identifier, must be TVD1	1	4	A4
2	ITU code for administration responsible	5	3	A3
3	Identification code used by organisation	8	9	A9
4	Update code used by organisation	17	1	A1
5	Space reserved for serial number (e.g. ITU No.)	18	9	A9
6	Status code (<u>O</u> perating/ <u>N</u> ot operating)	27	1	A1
7	Date of entry into operation (DDMMYYYY)	28	8	2I2, I4
8	ITU code for country in which transmitter is sited	36	3	A3
9	Station name	39	20	A20
10	Latitude (in degrees, N/S, min., sec.)	59	7	I2, A1, 2I2
11	Longitude (in degrees, E/W, min., sec.)	66	8	I3, A1, 2I2
12	Height of site (m asl; as sign followed by a number)	74	5	I5
13	Digital Television system, from Table A1.1	79	2	A2
14	Carrier and guard interval, from Table A1.2	81	1	A1
15	Channel	82	3	A3
16	Unused	85	4	A4
17	Block centre frequency in MHz (including decimal point)	89	9	F9.3
18	Offset value in Hz (as sign followed by a number)	98	8	I8
19	Offset type (<u>U</u> nspecified/ <u>N</u> ormal/ <u>P</u> recision)	106	1	A1
20	Maximum e.r.p. of horizontally polarised component (in dBW; as sign followed by a number including a decimal point)	107	5	F5.1
21	Maximum e.r.p. of vertically polarised component (in dBW; as sign followed by a number including a decimal point)	112	5	F5.1
22	Identifier for SFN	117	5	A5
23	Relative timing of transmitter within an SFN (micro sec)	122	6	I6
24	Unused	128	17	A17
29	Polarisation (<u>H</u> / <u>V</u> / <u>M</u>)	145	1	A1
30	Height of antenna (m a.g.l.)	146	3	I3
31	Directional? (<u>D</u> irectional/ <u>N</u> on-directional)	149	1	A1

Field	Item	Start Column	Width	Type
32	36 values of e.r.p. reduction (in dB) of the horizontally polarised component in the horizontal plane relative to the maximum e.r.p. of the horizontally polarised component as given in field 20 (at 10 degrees intervals, starting at North)	150	72	36I2
33	36 values of e.r.p. reduction (in dB) of the vertically polarised component in the horizontal plane relative to the maximum e.r.p. of the vertically polarised component as given in field 21 (at 10 degree intervals, starting at North)	222	72	36I2
34	Elevation angle of the horizontally polarised component (in degrees, negative if above the horizontal)	294	4	F4.1
35	Unused columns	298	2	
36	Elevation angle of the vertically polarised component (in degrees, negative if above the horizontal)	300	4	F4.1
37	Unused columns	304	2	
38	Unused column	306	1	
39	Maximum effective antenna height (m)	307	5	I5
40	36 values of effective antenna height (in m, at 10 degrees intervals, starting at North)	312	180	36I5
41	Transmission provider	492	5	A5
42	Service provider	497	5	A5
43	Date of last change to data on file (DDMMYYYY)	502	8	2I2, I4
44	Designation of emission	510	9	A9
45	Unused columns. May be used for comments	519	249	249
99	Reserved for database housekeeping purposes	768	32	A32

Table A3.3

CEPT other services database record

Field	Item	Start Column	Width	Type
1	File identifier, must be OS01	1	4	A4
2	ITU code for administration responsible	5	3	A3
3	Other service type code, from Annex 5	8	3	A3
4	Record for T ransmit/ R eceive/ B oth operation. The same Identification code is used for a given station of an other service if described in two records	11	1	A1
5	Identification code used by administration	12	5	I5
6	Name. Up to 20 alphanumeric characters	17	20	A20
7	Year in which this requirement may be brought into service. This field is not used by the planning software	37	4	I4
8	Field strength to be protected in dB μ V/m Use value 999 for Transmitting-only service where reception parameters are specified in a separate record	41	3	I3
9	Percentage of time for which protection is sought	44	4	F4.1
10	Transmitter site Co-ordinates (longitude and latitude) in degrees and minutes. Example 017E1645N23 is co-ordinate 17E16, 45N23	48	11	I3, A1, I2, I2, A1, I2
11	Centre Frequency in kHz	59	7	I7
12	Maximum effective radiated power (e.r.p.) in dBW. Use value -99 for Receiving-only service where transmission parameters are specified in a separate record	66	3	I3
13	Height of site (m asl; as sign followed by a number)	69	5	I5
14	Height of antenna (m a.g.l.)	74	3	I3
15	Effective transmitting antenna height 1. Put " U " if the effective height of the antenna is the same in all directions. Otherwise put " N "	77	1	A1
16	Effective transmitting antenna height 2. If the preceding field contains "U" give the effective height. Otherwise, give 36 values of effective height at 10° intervals, starting at north	78	180	36I5
17	Polarisation (H/V/M)	258	1	A1
18	Azimuth of maximum antenna gain in degrees from North	259	3	I3
19	Receiving or transmitting antenna pattern 1. Put " N " if the antenna is non-directional or the width of the main lobe is greater than 99 degrees. Otherwise put " D "	262	1	A1

Field	Item	Start Column	Width	Type
20	Receiving or transmitting antenna pattern 2. If the previous field contains "D", give 36 value of the reduction of antenna gain (for a receiving antenna) or e.r.p. (for a transmitting antenna), relative to the maximum value, at 10 degrees interval, starting at north	263	72	36I2
21	Width of main lobe of receiving antenna (3 dB) in degrees	335	2	I2
22	Reduction outside main lobe of receiving antenna in dB	337	2	I2
23	Test points 1. Enter " B " if test points for whole country is to be used. Otherwise leave blank	339	1	A1
24	Test points 2. If previous field is blank, enter number of test points (max. 36)	340	2	I2
25	Test points 3. Up to 36 co-ordinates (longitude and latitude) in degrees and minutes. Example 017E1645N23 is co-ordinate 17E16, 45N23	342	396	36(I3, A1, I2, I2, A1, I2)
26	Date of last change to data on file (DDMMYYYY)	738	8	2I2, I4
27	Unused columns. May be used for comments	746	22	
99	Reserved for database housekeeping purposes	768	32	A32