



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada

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Broadcasting Database Export User Manual

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1. Introduction

This manual describes the file organization and contents of the Broadcasting Database extract. The extract is provided in dBASEIII format.

2. Distribution

The Broadcasting Database extract is available online at <http://sms-sgs.ic.gc.ca> under Broadcasting Service.

3. Data and File Organization

The main index used to identify data is the station Call Sign. To uniquely identify stations, the Banner code is added to the end of the Call Sign. This Call Sign-Banner combination is used as the main index for Broadcast data.

The following files are included in the Broadcasting Database extract.

FILE	DESCRIPTION
allcode.txt	List of Limitations*
amstatio.dbf	Main station information for AM stations
apatdat.dbf	Detailed records for antenna pattern points
apatdesc.dbf	Description records of antenna patterns
apatkey.dbf	File holding pattern names and counter*
apatstat.dbf	Link of pattern keys to call sign/banners
augment.dbf	AM station augmentations
borders.mif	Canadian border data
city.dbf	Lookup table for station locations*
comments.dbf	Station comments and limitations
comments.dbt	Memo fields of COMMENTS.DBF
contours.dbf	Station contours of FM and TV stations*
ctrydesc.dbf	Country codes and descriptions
dates.dbf	Application or certificate dates
distbord.dbf	Border points*
extend.dbf	AM stations extended hours of operations
feeds.dbf	Source of TV feed signals
FMLimits.txt	List of FM Limitations
fmsep.dbf	FM Separation Distances
fmsepdm.dbf	FM Domestic Separation Distances
fmsepint.dbf	FM International Separation Distances
fmstatio.dbf	Main station information for FM stations and IBOC
limcode.dbf	FM limitation codes*
limcodeExtra.dbf	Additional FM limitation codes*
lookup.dbf	Decoding of various lookup values*
modcall.dbf	Call sign or banner code changes *
params.dbf	AM stations parameters - towers information
province.dbf	Lookup table for province information

FILE	DESCRIPTION
region.dbf	Regional data
stations.dbf	CRTC application numbers
Tsid.dbf	TV TSIDs
TVLimits.txt	List of TV limitations
tvstatio.dbf	Main station information for TV, MDS, and T-SDARS stations

* Files not being maintained

4. Descriptions of file contents /

TYPE: C = Character, N = Number, D = Date

LEN: Length

DC: For number fields, number of digits after decimal

Latitudes are currently expressed in degrees, positive for Northern Hemisphere and negative for Southern Hemisphere. Unless otherwise indicated latitudes are expressed in +-DDMMSS.

Longitudes are currently expressed in positive degrees only and have the meaning of West. Some longitudes exceed 180 degrees.

Unless otherwise noted, antenna heights are in meters (m) and distance is expressed in kilometres (km).

4.1 ALLCODE.TXT List of Limitations

* File no longer being updated – refers to FMLimits.txt and TVLimits.txt files

4.2 AMSTATIO.DBF Main station information for AM stations

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	PROVINCE	C	2	0	Province / State code of service area
2	CITY	C	20	0	City name of service area
3	CALL_SIGN	C	12	0	Call sign of station
4	FREQUENCY	N	7	2	Frequency in kHz. Valid 530 to 1700
5	CLASS	C	3	0	Class (A, B, C, CC, LP)
6	LATITUDE	N	7	0	N.Latitude of the AM Station's Night time Transmitter (ddmmss)
7	LONGITUDE	N	8	0	W.Longitude of the AM Station's Night time Transmitter(dddmmss)
8	BANNER	C	2	0	Banner flag (A, C, O, P, AX)
9	STATUS1	C	2	0	Application Status day-time
10	STATUS2	C	2	0	Application Status night-time
11	LATITUDE2	N	7	0	Day-time N.latitude coordinate in degrees if site different than night-time site.
12	LONGITUDE2	N	8	0	Day-time W.longitude coordinate in degrees if site different than night-time site.
13	BRDR_LAT	N	7	0	Not Used
14	BRDR_LONG	N	8	0	Not Used

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#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
15	BORDER	N	7	1	Closest distance to Canada US Border (km)*
16	CAN_LAND	N	7	1	Closest distance to Canada Land Edge*
17	USA_LAND	N	7	1	Closest distance to USA Land Edge*
18	FRE_LAND	N	7	1	Closest distance to French Land Edge near Newfoundland*
19	ST_CREAT	D	8	1	Not Used
20	ST_MOD	D	8	1	Not Used
21	OK_DUMP	D	8	1	Not Used
22	DOC_FILE	N	5	0	ISED's file number
23	DEC_NUMBER	N	6	0	CRTC Decision Number
24	IFRBN_D	N	5	0	IFRB Number for day time
25	IFRBN_N	N	5	0	IFRB Number for night time
26	CLIST1	N	4	0	Change List number 1
27	CLIST2	N	4	0	Change List number 2
28	CLIST3	N	4	0	Change List number 3
29	CLIST4	N	4	0	Change List number 4
30	CLIST5	N	4	0	Change List number 5
31	CLIST6	N	4	0	Change List number 6
32	CLIST7	N	4	0	Change List number 7
33	CLIST8	N	4	0	Change List number 8
34	CLIST9	N	4	0	Change List number 9
35	CLIST10	N	4	0	Change List number 10
36	NETWORK	C	4	0	Not used
37	CERT_NUMB	C	6	0	Not used
38	BC_MODE	C	1	0	Broadcasting Mode (Stereo, Mono)
39	UNATTENDED	C	1	0	Not Used
40	AUTO_PROG	C	1	0	Not Used
41	EUVALU	N	5	1	RSS Night Interference Free Value
42	POWERDAY	N	7	0	Power in watts Day Time
43	PAR_RMS_D	N	8	2	RMS value mV/m Day Time
44	Q_DAY	N	7	2	Reduced Q factor Day Time
45	POWERNIGHT	N	7	0	Power in watts Night Time
46	PAR_RMS_N	N	8	2	RMS value mV/m Night Time
47	Q_NIGHT	N	7	2	Reduced Q factor Night Time
48	POWERCRIT	N	7	0	Power in watts Critical Hours of Operation
49	PAR_RMS_C	N	8	2	RMS value during Critical hours
50	Q_CRIT	N	7	2	Reduced Q factor during Critical hours
51	CHANNEL	N	4	0	4 digit Frequency in kHz. Ex: 1250

* Data may not be updated or maintained

4.3 APATDAT.DBF Detailed records for antenna pattern points

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	PATT_KEY	N	6	0	Pattern key number used in all APAT files.

2	ANGLE	N	8	4	Angle in Degrees; AZIMUTH. For vertical patterns, angle is degrees below (positive) or above (negative) horizontal plane
3	GAIN	N	8	4	RADIATION at ANGLE. (dB above ERPVPK)

4.4 APATDESC.DBF Description records of antenna patterns

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	PATT_KEY	N	6	0	Pattern key number used in all APAT files
2	HOR_VER	C	1	0	Pattern Type; H or V
3	PATT_NUMB	N	1	0	Not used
4	PATT_TYPE	C	12	0	Type of Pattern; BRIEF, THEORETICAL, PRECISE, UNKNOWN*
5	PUNITS	N	1	0	Not used
6	NUMPOINTS	N	3	0	Number of points in APATDAT file.
7	PATT_DATE	D	8	0	Not used

* Data may not be updated or maintained

4.5 APATKEY.DBF File holding pattern names and counter

*File no longer maintained

4.6 APATSTAT.DBF Link of pattern keys to call sign/banners

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station name "CALL_SIGN" + "BANNER"
2	PATT_KEY	N	6	0	Pattern key number used in all APAT files.

4.7 AUGMENT.DBF AM station augmentations

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station name "CALL_SIGN" + "BANNER"
2	DNC_CODE	C	1	0	D, N, C: Day, Night, Critical indicator
3	NUMBER	N	2	0	Augmentation segment number
4	RADIATION	N	8	2	Radiation at central AZIMUTH (mV/m)
5	CENTER_AZ	N	5	1	Central AZIMUTH of Augmentation (degrees)
6	SPAN	N	5	1	Span of Augmentation (degrees)

4.8 BORDERS.MIF Canadian border data

Vectors in MapInfo compatible format representing the Canadian border

4.9 CITY.DBF Lookup table for station locations

* File no longer maintained

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	PROVINCE	C	2	0	Provincial or State code
2	NAME	C	20	0	City name
3	LATITUDE	N	7	0	N.Latitude (city centre or 1st station)(ddmmss)

4	LONGITUDE	N	8	0	W.Longitude (city centre or 1st station)(dddmmss)
5	CREAT_DT	D	8	0	Not used
6	MOD_DT	D	8	0	Date city record modified

4.10 COMMENTS.DBF Station comments and limitations

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	NAME	C	40	0	Name of licensee
3	ADDR1	C	40	0	Address - Street
4	ADDR2	C	40	0	Address – Street #2
5	ADDR3	C	40	0	Address - City
6	ADDR4	C	40	0	Address - Province
7	HQCOMM	M	10	0	Headquarters comments
8	RGCOMM	M	10	0	Regional comments
9	EDETAILS	M	10	0	Details on Limitations; English
10	FDETAILS	M	10	0	Details on Limitations; French

4.11 COMMENTS.DBT Memo fields of COMMENTS.DBF

Contains memo fields for Comments and Limitations from COMMENTS.DBF

4.12 CONTOURS.DBF Station contours of FM and TV stations.

* Data may not be updated or maintained

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	AZIMUTH	N	5	1	Azimuth; degrees from true North
3	VALU_DIST	N	10	4	Height in Meters above Sea Level or distance in kilometres between the transmitter site and the contour point
4	NAME	C	4	0	Contour name: FM (HAAT,3000, 500) TV (HAAT, GRDA, GRDB, NLBC, DUC)
5	LAT_END	N	8	4	Calculated end-point N.latitude (decimal degrees)
6	LONG_END	N	8	4	Calculated end-point W.longitude (decimal degrees)

In the contours data table, negative values may appear in some contours. They indicate that those values are realistic contours. These negative contour points were calculated with a method like Bullington or other propagation methods than the typical F(50,50) or F(50,90) curves.

4.13 CTRYDESC.DBF Country codes and descriptions

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	COUNTRY_CO	C	2	0	Country Code
2	LANGUAGE_I	C	1	0	Language indicator: E (English), F (French)

3	DESCRIPTIO	C	40	0	Country Name in language of language indicator
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4.14 DATES.DBF Application or certificate dates

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	BC_EFFCT	D	8	0	Broadcasting Certificate effective date
3	BC_EXPIR	D	8	0	Broadcasting Certificate renewal date or LOA or OATA expiry date
4	BC_SENT	D	8	0	Not used
5	BC_SENTN	D	8	0	Not used
6	BC_SENTR	D	8	0	Not used
7	BC_SENTA	D	8	0	Not used
8	CRTC_EXPIR	D	8	0	Not used
9	CDN_PROP	D	8	0	Date international coordination request sent
10	FCC_ACCPT	D	8	0	Date international coordination reply received
11	APPLICATN	D	8	0	Date of application / application received
12	AUTHORIZE	D	8	0	Date LOA issued
13	ON_AIR	D	8	0	On air date
14	COMMENTS	D	8	0	Date of TA Comments*
15	APP_REC	D	8	0	Not used
16	APP_RECEN	D	8	0	Date application received *
17	APP_RECR	D	8	0	Not used
18	APP_RECA	D	8	0	Not used
19	CRTC_1ST	D	8	0	CRTC letter date
20	CRTC_1STN	D	8	0	CRTC hearing date
21	CRTC_1STR	D	8	0	Not used
22	CRTC_1STA	D	8	0	Not used
23	STRT_CERT	D	8	0	Not used
24	STRT_CERTN	D	8	0	Not used
25	STRT_CERTR	D	8	0	Not used
26	STRT_CERTA	D	8	0	Not used
27	BC_ISSUE	D	8	0	Not used
28	PPROOF_REC	D	8	0	Not used
29	PPROOF_LET	D	8	0	Not used
30	FPROOF_REC	D	8	0	Not used
31	FPROOF_LET	D	8	0	Not used
32	SPROOF_REC	D	8	0	Not used
33	SPROOF_LET	D	8	0	Not used
34	DBRIEF	D	8	0	Not used
35	DBRIEF1	D	8	0	Not used

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
36	DBRIEF2	D	8	0	Not used
37	DBRIEF3	D	8	0	Not used
38	DBRIEF4	D	8	0	Not used
39	NBRIEF	D	8	0	Not used
40	NBRIEF1	D	8	0	Not used
41	NBRIEF2	D	8	0	Not used
42	NBRIEF3	D	8	0	Not used
43	NBRIEF4	D	8	0	Not used

* Data may not be updated or maintained

4.15 DISTBORD.DBF Border points

*File no longer maintained

4.16 EXTEND.DBF AM stations extended hours of operations

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	NUMBER	N	2	0	Extended Period Number
3	ANT_SYSTEM	C	1	0	Antenna System Used for the Extended Operation (D, N)
4	START1	C	4	0	Month and Day to Start the Extended Operation
5	END1	C	4	0	Month and Day to End the Extended Operation
6	START2	N	4	0	Hour and Minute to Start the Extended Operation
7	END2	N	4	0	Hour and Minute to End the Extended Operation
8	POWER	N	7	0	Station's Power in Watts
9	RMS	N	7	2	RMS value of Radiation in mV/m at 1 Km

4.17 FEEDS.DBF Source of TV feed signals

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	FEED_ID	C	1	0	Feed Identifier; A or B
3	FEED_CHAN	N	4	0	FEED SOURCE channel number; 0, 2- 69, or 2500- 2680
4	LINK_TYPE	C	1	0	Type of FEED LINK; O, U, S, C
5	FEED_CALL	C	12	0	Name of the SOURCE of the FEED
6	FEED_LAT	N	7	0	N.Latitude of the FEED SOURCE(ddmmss)
7	FEED_LONG	N	8	0	W.Longitude of the FEED SOURCE(dddmmss)

4.18 FMLimits.txt List of FM Limitations

*Tab delimited Text file not dBF

#	DESCRIPTION
1	Call sign
2	Banner code

3	Limitations (English)
4	Limitations (French)

4.19 FMSEP.DBF FM Separation Distances

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	TYPE	C	3	0	Type of Separation
2	CLASS	C	3	0	2 nd Station Class
3	A1	N	4	1	Separation distance between A1 and Class in CLASS field
4	A	N	4	1	Separation distance between A and Class in CLASS field
5	B1	N	4	1	Separation distance between B1 and Class in CLASS field
6	B	N	4	1	Separation distance between B and Class in CLASS field
7	C1	N	4	1	Separation distance between C1 and Class in CLASS field
8	CD	N	4	1	Separation distance between CD and Class in CLASS field
9	CI	N	4	1	Separation distance between CI and Class in CLASS field
10	D	N	4	1	Separation distance between D and Class in CLASS field
11	LP	N	4	1	Separation distance between LP and Class in CLASS field
12	VLP	N	4	1	Separation distance between VLP and Class in CLASS field

4.20 FMSEPDOM.DBF FM Domestic Separation Distances

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	TYPE	C	3	0	Type of Separation
2	CLASS	C	3	0	2 nd Station Class
3	A1	N	4	1	Separation distance between A1 and Class in CLASS field
4	A	N	4	1	Separation distance between A and Class in CLASS field
5	B1	N	4	1	Separation distance between B1 and Class in CLASS field
6	B	N	4	1	Separation distance between B and Class in CLASS field
7	C1	N	4	1	Separation distance between C1 and Class in CLASS field
8	CD	N	4	1	Separation distance between CD and Class in

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
					CLASS field
9	CI	N	4	1	Separation distance between CI and Class in CLASS field
10	D	N	4	1	Separation distance between D and Class in CLASS field
11	LP	N	4	1	Separation distance between LP and Class in CLASS field
12	VLP	N	4	1	Separation distance between VLP and Class in CLASS field

4.21 FMSEPINT.DBF FM International Separation Distances

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	TYPE	C	3	0	Type of Separation
2	CLASS	C	3	0	2 nd Station Class
3	A1	N	4	1	Separation distance between A1 and Class in CLASS field
4	A	N	4	1	Separation distance between A and Class in CLASS field
5	B1	N	4	1	Separation distance between B1 and Class in CLASS field
6	B	N	4	1	Separation distance between B and Class in CLASS field
7	C1	N	4	1	Separation distance between C1 and Class in CLASS field
8	CD	N	4	1	Separation distance between CD and Class in CLASS field
9	CI	N	4	1	Separation distance between CI and Class in CLASS field
10	D	N	4	1	Separation distance between D and Class in CLASS field
11	LP	N	4	1	Separation distance between LP and Class in CLASS field
12	VLP	N	4	1	Separation distance between VLP and Class in CLASS field

4.22 FMSTATIO.DBF Main station information for FM stations

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	PROVINCE	C	2	0	Province / State code for service area
2	CITY	C	20	0	City name of service area
3	CALL_SIGN	C	12	0	Call sign of station
4	FREQUENCY	N	7	2	Frequency in MHz. 88.1 to 107.9.
5	CLASS	C	3	0	Class of Station; A, A1, B, B1, C, C1, C2, D, LP, VLP; For Canadian Stations, A, A1, B,

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#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
					C, C1, LP, VLP; For Non-Canadian Stations, A, B, B1, C, C1, C2, D
6	LATITUDE	N	7	0	N.Latitude of the FM Station's Transmitter. (ddmmss)
7	LONGITUDE	N	8	0	W.Longitude of the FM Station's Transmitter (dddmmss)
8	BANNER	C	2	0	AL, AP, AU, AX, CP, IC, OP, PC, RE, TD, TO, TP, UC, UN, UX: Allotment, Approved by CRTC, Approved by ISED, Auxiliary transmitter, Construction Permit, Incomplete, Operational, Proposed Channel, Referred to CRTC, Tentative Deletion, Temporary Operation, Temporary proposal, Under Consideration, Unacceptable, Under consideration – auxiliary transmitter
9	SS_CODE	C	5	0	Short Spacing Code; "*O#aa"
10	NETWORK	C	4	0	IF UNATTENDED="M" or "D", contains the Service Mode MP1, MP2, MP3, MP5, MP6, MP11, MP12 for IBOC Otherwise, not used
11	ANT_MODE	C	1	0	Antenna Mode; O, D; Omnidirectional or Directional
12	BC_MODE	C	1	0	Broadcasting Mode: S, M, Space; Stereo, Mono
13	BRDR_LAT	N	7	0	Not Used
14	BRDR_LONG	N	8	0	Not Used
15	BORDER	N	7	1	Closest distance to Canada US Border(km)*
16	CAN_LAND	N	7	1	Closest distance to Canada Land Edge*
17	USA_LAND	N	7	1	Closest distance to USA Land Edge*
18	FRE_LAND	N	7	1	Closest distance to French Land Edge near Newfoundland*
19	ST_CREAT	D	8	1	Not Used
20	ST_MOD	D	8	1	Not Used
21	OK_DUMP	D	8	1	Not Used
22	DOC_FILE	N	5	0	ISED's file number
23	DEC_NUMBER	N	6	0	CRTC Decision Number
24	UNATTENDED	C	1	0	Flag (D/M/A/-) to indicate analog or digital transmitter: D = (full) Digital, M = Mixed analog and digital (IBOC) A, Y, N or empty = Analog (Y and N are mentioned for compatibility reasons with older versions of the extract).
25	CERT_NUMB	C	6	0	Not used
26	SCMO	C	1	0	Subsidiary Carrier Multiple Operation Code*
27	AUTO_PROG	C	1	0	Not used
28	BEAM_TILT	N	5	1	Beam Tilt Angle in Degrees; Positive pointing

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
					downwards from horizontal.
29	EHAATT	N	7	1	Effective Height of Antenna Above Terrain
30	ERPVAV	N	7	0	Normally ERP Vertical Average in Watts If UNATTENDED="M" : reference vertical analog max ERP in watts If UNATTENDED="D" : ERP vertical digital peak power in watts
31	ERPVPK	N	7	0	Normally ERP Vertical Peak Power in Watts If UNATTENDED="M" or "D" : Digital Upper Sideband ERP in watts
32	ERPHAV	N	7	0	Normally ERP Horizontal Average in Watts If UNATTENDED="M" : reference horizontal analog max ERP in watts If UNATTENDED="D" : ERP horizontal analog peak power in watts
33	ERPHPK	N	7	0	Normally ERP Horizontal Peak Power in Watts If UNATTENDED="M" or "D" : Digital Lower Sideband ERP in watts
34	GROUND_LEV	N	6	1	Ground Level at Tower Base above Sea Level in Meters
35	OVERALL_H	N	5	1	Overall Height Above ground in Meters
36	RAD_CENTER	N	6	1	Radiating Center Above Mean Sea Level
37	CHANNEL	N	4	0	Channel 201 to 300

* Data may not be updated or maintained

4.23 LIMCODE.DBF FM limitation codes

*File no longer maintained

4.24 LIMCODEEXTRA.DBF Additional FM limitation codes

*File no longer maintained

4.25 LOOKUP.DBF Decoding of various lookup values

*File no longer maintained

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	FIELDNAME	C	9	0	Field Name
2	CODE	C	7	0	Code used
3	ENGDESC	C	20	0	English Description
4	FRNDESC	C	20	0	French Description

4.26 MODCALL.DBF Call sign or banner code changes

*File no longer maintained

4.27 PARAMS.DBF AM stations parameters - towers information

#	FIELD NAME	TYP	LEN	DC	DESCRIPTION
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		E			
1	CALLS_BANR	C	14	0	Station identification
2	DNC_CODE	C	1	0	Parameter Group Code; D, N, C; Day, Night, Critical Hours
3	TOWER_NUM B	N	2	0	Tower number
4	FIELDRATIO	N	7	4	Field Ratio
5	SPACING	N	9	4	Spacing in Degrees
6	ORIENTA	N	8	4	Orientation in Degrees
7	PHASING	N	9	4	Phasing in Degrees
8	HEIGHT	N	5	1	Height in Degrees
9	TYPE_ANT	N	2	0	Type of Antenna Structure
10	A	N	8	4	Tower Field A; Valid 0 to 360.0000
11	B	N	8	4	Tower Field B; Valid 0 to 360.0000
12	C	N	8	4	Tower Field C; Valid 0 to 360.0000
13	D	N	8	4	Tower Field D; Valid 0 to 360.0000

4.28 PROVINCE.DBF Lookup table for province information

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	PROVINCE	C	14	0	Province Code
2	COUNTRY	C	1	0	Country Code
3	LOW_LAT	N	7	0	Province bounding box, lower latitude
4	HIGH_LAT	N	7	0	Province bounding box, high latitude
5	LOW_LONG	N	8	0	Province bounding box, lower longitude
6	HIGH_LONG	N	8	0	Province bounding box, high longitude
7	CREAT_DT	D	8	0	Creation date of Province Record
8	MOD_DT	D	8	0	Modification Date
9	ENGDESC	C	25	0	Name of province/state; English
10	FRNDESC	C	25	0	Name of province/state; French

4.29 REGION.DBF Regional Data

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLS_BANR	C	14	0	Station identification
2	REGION	C	1	0	Regional Code*
3	DISTRICT	C	2	0	District Code
4	INSPEC_REP	C	1	0	Not used
5	PAINTING	C	4	0	Not used
6	SPR_DAT	D	8	0	Not used
7	RSP_DAT	D	8	0	Not used
8	STDETT	D	8	0	Not used
9	AIR_CLEAR	D	8	0	Not used
10	INSPEC_DAT	D	8	0	Not used
11	RCF_DAT	D	8	0	Not used
12	STAT_TYPE	C	2	0	Type of station (AM, FM, TV)

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
13	DOCFEX	C	4	0	Not used
14	PROVINCE	C	2	0	Province code
15	COUNTRY	C	2	0	Country code

* Data may not be updated or maintained

4.30 STATIONS.DBF CRTC application numbers

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	CALLSIGN	C	12	0	Station identification
2	BANNER	C	2	0	Banner code
3	TYPE	C	2	0	Type of station (AM, FM, TV)
4	CRTC_APP	N	10	0	CRTC application number

4.31 TSID.DBF TV TSIDs

#	FIELD NAME	TYP E	LEN	DC	DESCRIPTION
1	PROVINCE	C	2	0	Province / State Code
2	CITY	C	20	0	City name
3	CALLSIGN	C	12	0	Call sign
4	BANNER	C	2	0	Banner code
5	CHANNEL	N	4	0	Channel 2-69
6	TSID	N	4	0	TSID

4.32 TVLimits.txt List of TV limitations

*Tab delimited Text file not dBF

#	DESCRIPTION
1	Call sign
2	Banner code
3	Limitations (English)
4	Limitations (French)

4.33 TVSTATIO.DBF Main station information for TV, MDS, and T-SDARS stations

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
1	PROVINCE	C	2	0	Province / State code for service area
2	CITY	C	20	0	City name of service area
3	CALL_SIGN	C	12	0	Call sign of station
4	FREQUENCY	N	7	2	Frequency in MHz.
5	CLASS	C	3	0	Class of Station; A, B, C, D, F, N, R, S, LP, VLP
6	LATITUDE	N	7	0	Latitude coordinate of the Station's Transmitter (ddmmss)
7	LONGITUDE	N	8	0	Longitude coordinate of the Station's Transmitter (dddmmss)

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#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
8	BANNER	C	2	0	AL, AP, AU, AX, CP, IC, OP, PC, RE, TD, TO, TP, UC, UN, UX: Allotment, Approved by CRTC, Approved by ISED, Auxiliary transmitter, Construction Permit, Incomplete, Operational, Proposed Channel, Referred to CRTC, Tentative Deletion, Temporary Operation, Temporary proposal, Under Consideration, Unacceptable, Under consideration – auxiliary transmitter
9	LIMITE	C	5	0	Limitation code L0 for any limitations
10	NETWORK	C	4	0	Not used
11	ANT_MODE	C	1	0	Antenna Mode; O, D; Omnidirectional or Directional
12	BC_MODE	C	1	0	Broadcasting Mode: S, P, B, Space; Stereo, Second Audio Channels or Both
13	OFFSET	C	1	0	TV Offset Code. Space, +, -, Z
14	OFF_PREC	C	1	0	Frequency offset precision used: T, F; True or False
15	BRDR_LAT	N	7	0	Not Used
16	BRDR_LONG	N	8	0	Not Used
17	BORDER	N	7	1	Closest distance to Canada US Border(km)*
18	CAN_LAND	N	7	1	Closest distance to Canada Land Edge*
19	USA_LAND	N	7	1	Closest distance to USA Land Edge*
20	FRE_LAND	N	7	1	Closest distance to French Land Edge near Newfoundland*
21	ST_CREAT	D	8	1	Not Used
22	ST_MOD	D	8	1	Not Used
23	OK_DUMP	D	8	1	Not Used
24	DOC_FILE	N	5	0	ISED's file number
25	DEC_NUMBER	N	6	0	CRTC Decision Number
26	UNATTENDED	C	1	0	Not used
27	CERT_NUMB	C	6	0	Not used
28	CLOSE_CAP	C	1	0	Not used
29	AUTO_PROG	C	1	0	Not used
30	ALLOC_ZONE	N	1	0	Allocation Planning Zone 0, 1 or 2
31	BEAM_TILT	N	5	1	Beam Tilt Angle in Degrees; Positive pointing downwards from horizontal.
32	EHAATT	N	7	1	Effective Height of Antenna Above Terrain
33	ERPVAV	N	7	0	ERP Visual Average (NTSC) / ERP Average (DTV) in Watts
34	ERPVPK	N	7	0	ERP Visual Peak Power (NTSC) / ERP Peak Power (DTV) in Watts
35	ERPAAV	N	7	0	ERP Aural Average in Watts (NTSC)
36	ERPAPK	N	7	0	ERP Aural Peak Power in Watts (NTSC)
37	ERPVTA	N	7	0	Not used
38	ERPATA	N	7	0	Analog vs Digital: 0 Analog, 1 Digital

#	FIELD NAME	TYPE	LEN	DC	DESCRIPTION
39	GROUND_LEV	N	6	1	Ground Level at Tower Base above Sea Level in Meters
40	OVERALL_H	N	5	1	Overall Height Above ground in Meters
41	RAD_CENTER	N	6	1	Radiating Center Above Mean Sea Level
42	CHANNEL	N	4	0	Channel 2-69 or 2500-2680 or 9998-9999

* Data may not be updated or maintained

5. Antenna Patterns

TV/FM/SDARS Antenna pattern data is stored as relational information in three data files, APATSTAT.DBF, APATDESC.DBF, and APATDAT.DBF. The data file APATKEY.DBF is no longer maintained.

Each antenna pattern is assigned a unique integer value referred to as the antenna pattern key (PATT_KEY) when it is added to the data extract. The pattern key assigned to a station may change the next time that the data extract is created.

The APATSTAT.DBF file is a reference table providing 'station call sign' versus 'antenna pattern key' information. It permits to determine what antenna pattern key has been assigned to a station given the call sign and banner of the station.

The APATDESC file contains a single "header" type record describing the attributes of the antenna patterns for each pattern key. All the parameters describing the patterns are found in this file with the exception of the data points describing the actual patterns.

The APATDAT file contains the 'gains' versus 'angle' data points defining the patterns. The record format permits to store one data point per record, therefore the storage of one pattern requires as many records as there are data points.

As described in the record layouts (section 4.4), the HOR_VER field is used to indicate a (H)orizontal or (V)ertical pattern. Horizontal pattern data may not be stored for Omnidirectional stations. A station with an omnidirectional antenna may still have a Vertical antenna pattern.

The PATT_TYPE field gives information on the source and/or relative precision of the antenna pattern data. Older antenna pattern records may be specified as "THEORETICAL", "PRECISE", or "BRIEF". Newer antenna pattern records are specified as "UNKNOWN".

"BRIEF" = horizontal antenna pattern data from coverage tables in technical brief

"THEORETICAL" = theoretical vertical antenna pattern data based on Cosine Law when measured patterns were not available

"PRECISE" = horizontal or vertical digitized antenna pattern data