CDBS Engineering Data Description

table name   am_ant_sys

column name	Entity-Attribute Definition	Data Type
am_dom_status	Engineering status of record	char(1)
ant_dir_ind	Indicates whether the antenna is directional or not	ind
ant_mode	Mode of the complete antenna system. It indicates whether directional or non-directional, number of patterns, etc. For example: DA1, DA2, DAN, ND1, ND2	char(3)
ant_sys_id	Identifies a specific antenna within a facility.	int
application_id	Uniquely identifies an application	int
aug_count	The count of the total number of augmentations in the array (minimum = 0; maximum = 28)	tinyint
augmented_ind	Indicates if the antenna is augmented Y or not N.	char(1)
bad_data_switch	Indicates whether some parameters in this record are known to be bad. spaces: no bad data. B: some (undefined) data is known to be bad. V: Antenna parameters affecting calculations in the vertical plane are known to be bad; antenna parameters affecting	char(1)
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float
domestic_pattern	Type of directional antenna pattern, as authorized domestically. T: Theoretical. S: Standard. A: Augmented.	char(1)
dummy_data_switch	Indicates whether some of the parameters in this record are assumed values, rather than actual values. Possible values are: spaces: nothing is assumed. D: something (undefined) is assumed in this record. V: Antenna parameters affecting calculations	char(1)
efficiency_restricted	Restricted antenna radiation	float
efficiency_theoretical	The antenna radiation at 1 km from the antenna. Same as RMS Theoritical	float
eng_record_type	Flag indicating the type of Engineering record this is.A: Archive C: Current	char(1)
feed_circ_other	Text describing the type of feed circuit when the feed circuit is not one of the standard types.	varchar(255)
feed_circ_type	Identifies the type of feed circuit used with the antenna: Series Feed; Folded Unipole; Shunt Feed; Other.	char(2)
grandfathered_ind	Indicates whether or not the rules are grandfathered	ind
hours_operation	The operating hours during which the parameters are used. Values: U: Unlimited (both day and night or portions thereof); N: Nighttime; D: Daytime; C: Critical Hours; R: Canadian Restricted; P: Pre-sunrise.	char(1)

last_update_date	The date this record was last updated.	datetime
lat_deg	The degrees portion of the latitude	int
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)
lat_min	The minutes portion of the latitude	int
lat_sec	The seconds portion of the latitude	float
lat_whole_secs	Latitude, expressed in seconds	int
lon_deg	The degrees portion of the longitude	int
lon_dir	The direction for the longitude: W for West longitude and E for East.	char(1)
lon_min	The minutes portion of the longitude	int
lon_sec	The seconds portion of the longitude	float
lon_whole_secs	Longitude, expressed in seconds	int
mainkey	Primary Key in legacy database. Not maintained in CDBS.	varchar(16)
power	Nominal Power (Night)	float
q_factor	Q for the standard pattern formula in 73.150. When this is blank, Q should be computed and used. When this is non-blank (including 0), this value of Q should be used as a special Q. Units are mV/m at 1 km.	float
q_factor_custom_ind	Indicates that this record had a custom-entered q-factor in legacy.	ind
rms_augmented	RMS is the root-mean-square of the augmented standard radiation pattern in all directions in the horizontal plane in mV/m at 1 km. Computed by formula in 73.152	float
rms_standard	The RMS of the standard radiation pattern in all directions in the horizontal plane computed by 73.150	float
rms_theoretical	The root-mean-square of the radiation pattern in all directions in the horizontal plane in mV/m at 1 km, computed by formula in 73.150. Directional Antenna: RMS at the nominal power. Non-Directional Antenna: RMS at 1 kw.	float
specified_hrs_range	Additional information to be included on AM authorization for stations that operate during specified hours	varchar(25)
tower_count	The total number of towers in the array: (1 for Non-Directional; up to 17 for Directional).	tinyint

table name   am_augs

column name	Entity-Attribute Definition	Data Type
ant_sys_id	Identifies a specific antenna within a facility.	int
aug_id	Uniquely identifies a specific augmentation; maximum value = 28	tinyint

azimuth_deg	Central azimuth of the augmentation in degrees. Ref 73.152.	float
last_update_date	The date this record was last updated.	datetime
radiation_aug	The radiation at the central azimuth of the augmentation, in mV/m at 1 km. Ref 73.152.	float
span_deg	Complete span of the augmentation in degrees. Ref 73.152.	float

table name   am_eng_data

column name	Entity-Attribute Definition	Data Type
am_dom_status	Engineering status of record	char(1)
ant_monitor	The manufacturer of the antenna monitor equipment: Data entered by hand currently from license form.	name
application_id	Uniquely identifies an application.	int
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float
broadcast_schedule	A one character code for a broadcast schedule; D for Daytime only, N for nighttime only, U for unlimited, L for limited times, and H for specific hours.	char(1)
facility_id	Uniquely identifies a facility	int
last_update_date	The date this record was last updated.	datetime
old_station_class	Legacy station class	char(2)
region_2_class	Class of the station as notified to the IFRB pursusant to the Region 2 MF Broadcasting Agreement. Class can be A, B, or C.	char(1)
sampl_sys_ind	Indicates whether a system is used to monitor the operation of a directional	ind
specified_hours	Specified hours for the broadcast schedule	varchar(255)
station_class	Identifies the class of the station. A, B, C, or D	char(1)
time_zone	A code for the Time zone of the station. Can be 1-7.	char(1)

table name   am_towers

column name	Entity-Attribute Definition	Data Type
ant_sys_id	Identifies a specific antenna within a facility.	int
asrn_id	Unique ASRN number assigned to a registered tower. ASRN==Antenna Site Registration Number, and is obtained from ASRS (Antenna Site Registration System)	int

asrn_na_ind	ASRN Number Not Applicable Indicator	ind
elec_hgt_deg	The height of the radiator in electrical degrees, normally not the height above ground. Usually it is the height above insulator without obstruction lighting.	float
faa_notified_ind	Indicates whether the FAA has been notified re this tower	ind
field_ratio	The ratio of the field radiated by each tower.	float
hag_no_obst	Overall height above ground (without obstruction lighting)	float
hgt_overall_mtr	Overall Height Above Ground Include Obstruction Lighting	float
hgt_rad_ab	Overall height of radiator above base insulator, or above base, if grounded	float
hgt_radiator_mtr	Height of antenna radiator in meter	float
last_update_date	The date this record was last updated.	datetime
orientation_deg	The orientation of this tower, in electrical degrees, from the origin or from the immediately preceding tower, depending on the value of the tower reference	float
phasing_deg	The relative phasing for this tower in electrical degrees. Range: -360 to +360.	float
rad_hgt_deg	The height of antenna radiator in degrees.	float
spacing_deg	The spacing of this tower, in electrical degrees, from the origin or from the immediately preceding tower, depending on the value of the tower reference switch. FORTRAN F8.3	float
top_loaded_switch	Indicates whether this tower is a normal tower, top-loaded, or sectionalized. Values: blank or 0: normal tower; . 1: top-loaded tower; 2 and up: Sectionalized tower	char(1)
topload_a	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: "A" in top-loaded formula (73.160(b)); stored in electrical degrees. T/LSS = 2: "A" in the sectionalized formula (73.160(b)); stored in electrical	float
topload_apparent_hgt	Toploaded/Sectionalized Antenna Apparent height	floatt
topload_b	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS).T/LSS = 1: "B" in top-loaded formula (73.160(b)); stored in electrical degrees.T/LSS = 2: "B" in the sectionalized formula (73.160(b)); stored in	float
topload_c	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: C is not used. T/LSS = 2: "C" in the sectionalized formula (73.160(b)); stored in electrical degrees. Additional possibilities are defined in the program code.	float
topload_d	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: D is not used. T/LSS = 2: "D" in the sectionalized formula (73.160(b)); stored in electrical degrees. Additional possibilities are defined in the program code.	float
tower_num	Sequential number of tower (1..17)	tinyint
tower_pl_codes	Paragraph numbers identifying painting and lighting requirements for towers. Formerly included on authorizations.	varchar(40)

column name	Entity-Attribute Definition	Data Type
tower_ref_switch	Indicates the spacing and orientation of this tower with respect to the origin or to the immediately preceding tower. blank or 0: with respect to the origin; 1: with respect to immediately preceding tower	char(1)
tower_type	char(1)	NEW

table name   ant_make

column name	Entity-Attribute Definition	Data Type
ant_make	The make of an antenna	char(3)
ant_model_num	The model number of an antenna	name
antenna_id	Identifies a specific antenna make and model	int
app_service	The Service using this antenna	char(2)
last_change_date	The date this record was last updated.	datetime
standard_ind	Indicates if Standard pattern is used or the pattern is modified.	char(1)

table name   ant_pattern

column name	Entity-Attribute Definition	Data Type
additional_az_num	Identifies Order Additional Azimuths Entered from the Form	smallint
antenna_id	Identifies a specific antenna make and model	int
azimuth	Azimuth, in whole degrees, on which the relative field is measured.	float
field_value	The relative field value for a specific azimuth	float
last_changee_date	The date this record was last updated.	datetime

table name   app_party

column name	Entity-Attribute Definition	Data Type
application_id	Uniquely identifies an application	int
cert_date	The date on which the certifying party signed the application	datetime
cert_title	The title of the certifying party	title
last_change_date	The date this record was last updated.	datetime
other_fcc_id	Other FCC Identifier for the party which may be the applicant	int
party_id	Uniquely identifies the party	int

column name	Entity-Attribute Definition	Data Type
party_notify_ind	Indicates that this party to an application is the one that should receive notifications and communications from the MMB	ind
party_relationship	Indicates how the two parties are related	varchar(255)
party_type	The type of party to the application indicates the party's role; types may include applicant; assignor; assignee; officer; director; partner; silent partner; governmental or public educational agency, board, institution; private nonprofit educational inst	char(5)
sig_name	Name of person "signing" the electronic Signature block	varchar(60)
sig_present_ind	Whether paper application was signed. Not currently used.	ind

table name app_tracking

column name	Entity-Attribute Definition	Data Type
accepted_date	The date the application is accepted for filing by the FCC. Generally feeable applications are not accepted until the fee is paid. This date is the legal date associated with the public notice.	datetime
amendment_stamped_date	The official stamped date of an amendment.	datetime
app_status	Specifying the current application status	varchar(5)
app_status_date	Date the application status took effect.	datetime
application_id	A system-generated incremental number uniquely identifying each application	int
cp_exp_date	The date the Construction Permit will expire	datetime
cutoff_date	The cutoff date of the application. FA/TA: window close date for applications to file for the allotment (its actually populated in gen_app_indicators) FR/TR: rulemaking file date NCEdu/FX/FB/TX/TB: The day by which competitors must file competing apps	datetime
cutoff_type	A code for the type of cutoff	char(1)
dtv_checklist	DTV Checklist application values Y, N	char(1)
last_change_date	The date this record was last updated.	datetime
tolling_code	Code indicating the reason for changing the CP expiration date: J-Judicial Review, A-Administrative Review, G-Act of God, C-Failure of Condition Precedent, W-Waiver	char(1)

table name application

column name	Entity-Attribute Definition	Data Type
app_arn	The ARN of an application. The date application filed (with a 4-digit year) followed by a 3-letter combination representing the order of processing during a particular day (AA=1st, AB=2nd, etc) Old apps may have only a number or date and letters.	arn

app_service	Identifies the specific service being addressed by the application.	char(2)
app_type	The type of application being processed. Code-driven and popul	varchar(4)
application_id	A system-generated incremental number uniquely identifying each application	int
assoc_facility_id	The associated analog facility of a digital low power companion channel station	int
comm_city	The city of the facility's "community served"	city
comm_state	The state of the facility's "community served"	state
dtv_type	Indicates whether the facility will operate as a pre-transition facility, post-transition facility or both	varchar(8)
fac_callsign	The call sign of the facility/station	callsign
fac_frequency	The frequency assigned to the station	frequency
facility_id	Uniquely identifies a facility	int
file_prefix	Derived combination data type consisting of a "B", the code of the application type (CP=Construction Permit e.g.) and the code for the facility type	file_prefix
general_app_service	Whether application service is AM, FM, TV, or DT. Tied directly to a form question. Needed for some forms because the real app_service gets adjusted for auxiliary stations.	char(2)
paper_filed_ind	Indicates whether a form has been paper filed	ind
station_channel	Channel number	int

table name	call_sign_history	
column name	**Entity-Attribute Definition**	**Data Type**
begin_date	The date the facility's use of a call sign became effective.	datetime
callsign	A call sign assigned to the facility (may be current call sign or previous).	char(12)
callsign_hist_id	Uniquely identifies a call sign history record	int
callsign_seq_id	Uniquely identifies the sequence of a call sign history record for a particular facility ID	tinyint
facility_id	Uniquely identifies a facility	int
record_change_date	Date the call sign history record was changed.	datetime

table name	dtv_agreement_group	
column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies the application.	int

dtv_agreement_group_id	Uniquely identifies row in table	int
fac_callsign	Call Sign of the facility in the negotiated agreement/arrangement	callsign
facility_id	Uniquely identifies the facility	int
name	Licensee/Permittee Name	varchar(60)
order_num	Specifies the ordering of the facilities as entered on the form	int

table name   dtv_allotment

column name	Entity-Attribute Definition	Data Type
analog_channel	DTV Allotment original analog TV Channel	int
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float
city	Allotment City	city
digital_channel	New DTV Allotment digital channel	int
erp	ERP of the allotment	float
haat	HAAT of the allotment	float
last_change_date	The date this record was last updated.	datetime
lat_deg	Reference Point, latitude degrees	int
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)
lat_min	Reference Point, latitude minutes	int
lat_sec	Reference Point, latitude seconds	int
lon_deg	Reference point, longitude Degrees	int
lon_dir	The direction for the longitude: E for East or W for West..	char(1)
lon_min	Reference point, longitude minutes	int
lon_sec	Reference point, longitude seconds	int
state	Allotment State	city

table name   dtv_facility

column name	Entity-Attribute Definition	Data Type

dtv_channel	The channel number of the DTV facility	int
dtv_fac_status	The status of the DTV Facility	char(5)
facility_id	Uniquely identifies a facility	int
last_change_date	The date this record was last updated.	datetime

table name   dtv_transition

column name	Entity-Attribute Definition	Data Type
addl_coord_ind	Needs to coordinate its transition with other broadcast stations.	char(1)
addl_equip_adj_ant_ind	Needs to adjust or install antenna (except for side-mount issue)	char(1)
addl_equip_adj_trans_ind	Needs to adjust or install transmitter	char(1)
addl_equip_gen_install_ind	Needs a general installation of equipment requiring hiring of a tower crew.	char(1)
addl_equip_ind	Needs to obtain, adjust and/or install equipment for its post-transition facility.	char(1)
addl_equip_new_ant_ind	Needs a new antenna.	char(1)
addl_equip_new_trans_ind	Needs a new transmitter	char(1)
addl_equip_other_ind	Other equipment needs	char(1)
addl_equip_switch_ant_ind	Needs to switch side-mounted DTV antenna with top-mounted analog antenna.	char(1)
addl_faa_approval_ind	Needs to obtain FAA approval for its post-transition facility.	char(1)
addl_fcc_action_app_arn	ARN of pending application for which FCC action is needed.	char(12)
addl_fcc_action_date	Date of pending application for which FCC action is needed.	datetime
addl_fcc_action_file_prefix	File prefix of pending application for which FCC action is needed.	char(10)
addl_fcc_action_ind	Needs to obtain FCC action on a pending application.	char(1)
addl_intl_ind	Needs to obtain international government clearance for its post-transition	char(1)
addl_local_approval_ind	Needs to obtain state or local government approval.	char(1)
addl_other_ind	Has other needs that must be addressed before it can fully construct and operate its post-transition facility.	char(1)
addl_tower_ind	Needs to change its tower location or construct a new tower.	char(1)
alt_elected_channel	Alternate elected channel number	int
analog_service_status	Status of Analog Service	varchar(12)
analog_status_ind	Dummy field used for an exhibit only question	n/a

app_arn_cer_a	ARN for form 381, Sect II, Question 1a	char(12)
app_arn_cer_b	ARN for form 381, Sect II, Question 1b	char(12)
app_arn_cer_d	ARN for form 381, Sect II, Question 1d	char(12)
app_arn_cer_e	ARN for form 381, Sect II, Question 1e	char(12)
application_id	Uniquely identifies an application.	int
conflict_decision	Licensee/permittee decides to maintain its second round channel election and certifies that it has resolved its interference conflict(s).	char(1)
const_addl_needed	Additional Construction needed be complete	char(1)
const_not_begun	Construction has not begun	char(1)
const_underway	Construction underway	char(1)
construction_complete_ind	Is Construction Status completed?	char(1)
construction_deadline_date	Current Construction Deadline	datetime
cont_elected_channel	Contingent Elected Channel	int
cont_election	Contingent Channel Election	char(1)
cp_mod_app_arn	Construction Permit FCC ARN.	char(12)
cp_mod_expected_date	Construction Permit expected filing date	datetime
cp_mod_file_prefix	Construction Permit FCC Prefix.	char(10)
cp_mod_filed_date	Construction Permit date filed	datetime
cp_mod_filed_ind	Construction Permit filed to match post-transition facility	char(10)
cp_mod_needed_ind	Construction Permit needed to match the post-transition facility.	char(1)
cp_status_ind	Construction Permit Status	char(1)
data_cert_ind	Database reviewed certification	char(1)
dtv_cur_channel	Current DTV Channel of facility	int
dtv_cur_na	Current DTV channel question is not applicable ('X' means no DTV channel).	char(1)
dtv_transition_plan_ind	Dummy field used for an exhibit only question	n/a
elected_channel_a	Elected channel number on Election form, (for choice a)	int
elected_channel_b	Elected channel number on Election form, (for choice b)	int
election	Licensee/permittee makes the following channel election from its currently assigned (DTV or NTSC) channels.	char(1)

expect_cons_complete_date	Expected construction completion date	datetime
file_prefix_cer_a	File Prefix for form 381, Section II Question 1a	char(10)
file_prefix_cer_b	File Prefix for form 381, Section II Question 1b	char(10)
file_prefix_cer_d	File Prefix for form 381, Section II Question 1d	char(10)
file_prefix_cer_e	File Prefix for form 381, Section II Question 1e	char(10)
intl_coord_ind	Subject to a pending International Coordination issue	char(1)
last_update_date	The date this record was last updated (sometimes NULL, if never updated).	datetime
negot_agreemt_ind	A negotiated conflict resolution agreement	char(1)
ntsc_cur_channel	Current NTSC channel of facility	int
ntsc_cur_na	Current NTSC channel question is not applicable ('X' means no NTSC channel).	char(1)
op_expected_date	If operating pursuant to program test authority, expected operational date	datetime)
op_population_perc	Population percentage of Post-transition facility operating pursuant to special temporary (STA) or at a reduced facility	float()
op_power_level	Power level of Post-transition facility operating pursuant to special temporary authority (STA) or at a reduced facility	float()
op_status	Operational status of final DTV (post-transition) facility	char(3)
post_tran_auth_app_arn	Post-transition Authorization ARN	char(12)
post_tran_auth_file_prefix	Post-transition Authorization File Prefix	char(10)
post_tran_auth_not_yet_ind	Post-transition Authorization Not Yet Filed	char(1)
post_tran_dtv_channel	Post-transition DTV Channel	int
post_tran_operating_ind	Post-transition facility operational status	char(1)
pre_tran_dtv_channel	Pre-transition DTV Channel	int
reference_no	Indicates FCC Letter Reference Number	int
rep_max_cer_type	Identifies type of station (LIC, CP,STA) that it will replicate or maximize	char(3)
rep_max_cert	Replication/maximization certification: How channel elections should be evaluated for purposes of interference protection analysis.	char(1)
tech_eng_ind	Technical Engineering Data	char(1)
tent_chan_status	Licensee/permittee has not received a tentative channel designation for post-transition DTV operation through the channel election process.	char(1)
tentative_channel	Licensee/permittee has received a tentative channel designation for post-transition DTV operation.	int

table name   fac_party

column name	Entity-Attribute Definition	Data Type
facility_id	Uniquely identifies a facility.	int
last_change_date	The date this record was last updated.	datetime
party_id	Uniquely identifies the party	int
party_type	The type of party to the application indicates the party's role; types may include applicant; assignor; assignee; officer; director; partner; silent partner; governmental or public educational agency, board, institution; private nonprofit educational inst	char(5)

table name   facility

column name	Entity-Attribute Definition	Data Type
assoc_facility_id	The facility ID "associated" with the FX station (meaning, the facility_id that this FX station rebroadcasts)	int
callsign_eff_date	The date the callsign became effective	datetime
comm_city	The city of the facility's "community served"	city
comm_state	The state of the facility's "community served"	state
digital_status	The digital status of the facility, D for Digital, H for Hybrid.	char(1)
eeo_rpt_ind	Indicates whether the station plans to or does employ five or more employees and therefore should submit equal employment opportunity reports	ind
fac_address1	The address of the facility	address
fac_address2	The address of the facility, continued	address
fac_callsign	The call sign of the facility/station	callsign
fac_channel	Channel number	int
fac_city	The city in which the facility is located. Also considered the Mailing City of the facility	city
fac_country	The country of the station	country
fac_frequency	The frequency assigned to the station	frequency
fac_service	Identifies the service which the facility supports	char(2)
fac_state	The state in which the facility is located. The state of the mailing address.	state
fac_status	The facility status contains the last status of the facility application processing. It may be CP granted, license granted, appeal pending, STA granted, silent without STA, cancelled/deleted, etc.	varchar(3)

fac_status_date	The date the facility status took effect	datetime
fac_type	The type of the facility	varchar(3)
fac_zip1	The First 5 digits of the Zipcode of the facility	char(5)
fac_zip2	The second 5 digits of the Zipcode of the facility	char(4)
facility_id	Uniquely identifies a facility	int
frn	FCC Registration Number	varchar(10)
last_change_date	The date this record was last updated.	datetime
lic_expiration_date	The date on which the FCC license or CP building permit expires	datetime
sat_tv	To designate satellite tv stations	char(1)
station_type	Identifies the station as a main or an auxiliary	char(1)
tsid_dtv	The assigned unique digital Transport Stream Identifier.	int
tsid_ntsc	The assigned unique analog Transport Stream Identifier.	int

table name	fm_app_indicators	
column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies an application.	int
bt_ind	Indicates whether beam tilt is in use..	ind
da_ind	Indicates whether the station uses a directional antenna.	ind
last_change_date	The date this record was last updated.	datetime
no_rotation_ind	Indicates whether the antenna is rotated	ind
rule_73_215_req_ind	Indicates whether authorization pursuant to rule 73.215 has been requested.	ind

table name	fm_eng_data	
column name	**Entity-Attribute Definition**	**Data Type**
ant_input_pwr	The input power, in dBk, of the antenna.	float
ant_max_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float
ant_polarization	Indicates the polarization properties of the proposed antenna: horizontally polarized; circularly polarized; elliptically polarized.	char(1)
ant_rotation	The rotation, in whole degrees, associated with an FX off the shelf directional antenna	float

antenna_id	Identifies a specific antenna make and model	int
antenna_type	The type of the antenna in use: Directional "off the shelf"; Directional Composite (multiple antennas); Non-Directional	char(1)
application_id	Uniquely identifies an application.	int
asd_service	The type of record, or the type of service represented by this record. FA,FM,FS,FX,FR,FB	char(2)
asrn	Unique ASRN number assigned to a registered tower	int
asrn_na_ind	ASRN Number Not Applicable Indicator	ind
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float
border_code	Indicates whether the coordinates are sufficiently close to an international border that an agreement w/ a foreign country is applicable.	char(1)
border_dist	The distance to the nearest point on the international border, in Km. If the coordinates are not in a border area, this is left blank.	float
docket_num	The docket number of a hearing or rulemaking associated with this record.	varchar(20)
effective_erp	Effective ERP	float
elev_amsl	Elevation, in meters, of site above mean sea level	float
eng_record_type	Flag indicating the type of Engineering record this is.	char(1)
erp_w	Effective radiated power in Watts.	int
facility_id	Uniquely identifies a facility.	int
fm_dom_status	The domestic status of the record	varchar(6)
gain_area	The gain area, in square miles, resulting from the proposed changes for the 60 dBu contour.	float
haat_horiz_calc_ind	Indicates whether the HAAT (horizontal) field has been calculated or not, Y/N (actually 'Y' or NULL)	char(1)
haat_horiz_rc_mtr	The horizontal height, in meters, of the radiation center above average terrain.	float
haat_vert_rc_mtr	The radiation center above ground of the vertically polarized antenna, in meters.	float
hag_horiz_rc_mtr	The radiation center above ground of the horizontally polarized antenna, in	float
hag_overall_mtr	The height, in meters, of the overall antenna structure above ground.	float
hag_vert_rc_mtr	The vertical height, in meters, of the radiation center above the ground.	float
horiz_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, horizontal	float

horiz_erp	The effective radiated power in the horizontal plane for a horizontally polarized antenna, measured in kilowatts	float
last_update_date	The date this record was last updated.	datetime
lat_deg	Reference Point, latitude degrees	int
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)
lat_min	Reference Point, latitude minutes	int
lat_sec	Reference Point, latitude seconds	float
lic_ant_make	The make of an antenna (from a license form)	varchar(3)
lic_ant_model_num	The model number of an antenna (from a license form)	varchar(60)
lon_deg	Reference point, longitude Degrees	int
lon_dir	The direction for the longitude: E for East or W for West..	char(1)
lon_min	Reference point, longitude minutes	int
lon_sec	Reference point, longitude seconds	float
loss_area	The loss area, in square kilometers, resulting from the proposed changes for the 60 dBu contour.	float
mainkey	Mainkey was the PK of mm; needed to link up records post conversion	varchar(16)
market_group_num	The market group for an auction application.	varchar(7)
max_haat	The maximum HAAT in any direction, based on the higher of the horizontally polarized or vertially polarized RCAMSL, in meters. This will be blank if both the horizontal and vertical RCAMSL's are blank, or if the coordinates are in an area where we do no	float
max_horiz_erp	The maximum effective radiated power, measured in kilowatts	float
max_vert_erp	The maximum effective radiated power with beam tilt for a vertically polarized antenna, measured in kilowatts	float
min_horiz_erp	Minimum Effective Radiated Power in the Horizontal Plane	float
num_sections	Antenna Number of Sections	int
power_output_vis_kw	Visual transmitter output power in kilowatts	float
rcamsl_horiz_mtr	The height of the radiation center above mean sea level, measured in meters	float
rcamsl_vert_mtr	The height of the radiation center above mean sea level for a vertically polarized antenna, measured in meters	float
spacing	Spacing between sections (wavelegnth)	float
station_channel	Station Channel	int

19-Mar-08

station_class	The class of an FM station based on power and antenna height as per FCC rules. For FM: A, B1, B, C3, C2, C1, C	varchar(2)
trans_power_output	Transmitter power output	float
trans_power_output_w	Trans power output in Watts	int
vert_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, vertical polarization.	float
vert_erp	The effective radiated power for a vertically polarized antenna, measured in kilowatts.	float

table name	gen_app_indicators	
column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies an application	int
edu_comm_flg	Indicates whether this is an educational or commercial operation. For FM Allotments, 'E' indicates the channel is reserved for educational/non-commercial use.	char(1)
last_change_date	The date this record was last updated.	datetime

table name	intl_tracking	
column name	**Entity-Attribute Definition**	**Data Type**
accepted_date	Date application is last accpeted by the coordinating government. FM only	datetime
application_id	Uniquely identifies an application.	int
can_coord_status	Canadian coordination status. For a US record, this refers to the status of our notification to Canada. For a Canadian record, this refers to the status of the Canadian notification to the US. If this is neither a US nor Canadian record, should be blank	char(1)
change_list_date	Date of the change list in YYYYMMDD format.	datetime
change_list_num	The latest Change List # associated with this record. ("ORIG"=original NARBA list; "USCAN"=original list in U.S.-Can. Agreemnt [CL Date=840117], separate Class IV list [CL Date=841215]; "USMEX"=U.S.-Mex. Class IV power incr. Agreement [CL Date=841215].	varchar(5)
hours_operation	The operating hours during which the parameters are used. Values: U: Unlimited (both day and night or portions thereof); N: Nighttime; D: Daytime; C: Critical Hours; R: Canadian Restricted; P: Pre-sunrise.	char(1)
ifrb_date	Date that this station was entered into the IFRB Plan, in YYYYMMDD format. Initially, this will be blank as this is loaded; a blank does not necessarily mean that this station is not in the IFRB Plan	datetime
ifrb_list_flg	Indicates the IFRB this record appears on. Can be either list A, B, C or D.	char(1)
ifrb_serial_num	The number assigned to the record by the IFRB.	char(9)

intl_class	The class of the station as determined by the peritnent international FM broadcasting agreement between the US and Canada or Mexico. This field will contain blanks for those records not close to a border.	varchar(2)
intl_status	Status of FM records with regard to international notifications.	char(6)
itu_coord_status	Similar to Canadian Coordination status in AM records; FM only.	char(1)
last_change_date	The date this record was last updated.	datetime
mex_coord_status	Mexican coordination status. For a US record, this refers to the status of our notification to Mexico. For a Mexican record, this refers to the status of the Mexican notification to the US. If this is neither a US nor Mexican record, should be blank.	char(1)
neg_allot_ind	Indicates if this is a negotiated special allotment. FM only. Yes, No, NULL (not in border zone).	varchar(4)
notified_date	The date an international country was last notified re this record	datetime
notified_pattern	Type of antenna pattern which has been notified to (or by) foreign countries.T: Theoretical. S: Standard. A: Augmented.	char(1)
notified_status	Status of AM records with regard to international notifications. A: Negotiated priority; not notified in operation. O: Notified in operation. P: Notified proposed operation. T: Informally coordinated proposal. U: Not notified. Z:	char(1)
proposed_date	The date on which this record was last notified to a foreign country. This is an 8-digit number in the format YYYYMMDD. Note that this will be empty for most records since we have not had the opportunity to load it.	datetime
referred_date	Date application was last referred to the International Bureau from MMB. FM only field	datetime
region_2_status	Region 2 coordination status. If a US record, refers to the status of our notification to the IFRB. If not a US record, refers to the status of the IFRB notification to the US. A: Accepted; B: Accepted with conditions; P:	char(1)
updating_agency	Indicates which agency last updated this record. FCC: Update by the Federal Communications Commission. IFRB: Update by the International Frequency . Registration Board.	varchar(4)

table name	nce_factors	
column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies an application	int
claimed_points	Points claimed by applicant	int
divers_own_ind	Diversity of ownership	ind
existing_auths	Existing authorizations: (number of attributable commercial and NCE licenses and CPs)	int
existing_cps	Pending applications: (number of attributable commercial and NCE licenses and CPs)	int

existing_fillin_auths	Existing authorizations for fill-in applications: (number of attributable commercial and NCE licenses and CPs)	int
existing_fillin_cps	Pending applications for fill-in applications: (number of attributable commercial and NCE licenses and CPs)	int
fill_in_serv_ind	Fill-in service indicator	ind
gain_area	New (increase) area served in square kilometers	int
min_first_service_ind	Applicant Certifies that the station will provide first NCE service to 10% and 2000 people	ind
min_sec_service_ind	Applicant Certifies that the station will provide second NCE service to 10% and 2000 people	ind
population_served	Population served based on the most recent census data	int
rule_73_313_c_ind	Compliance with Rule 73.313c:Technical Parameters: All questions related to new area of coverage certification	ind
rule_73_3555_ind	Compliance with Rule 73.3555: Is the applicant's certification based on its exclusion of translator station(s)?	ind
rule_73_7000_ind	Compliance with Rule 73.7000: Established local applicant	ind
rule_73_7003_b_c_ind	Compliance with Rule 73.7003b and c: State-wide network	ind
supplement_date	The date on which the supplement was filed.	datetime
technical_points	Technical Points	int
total_points	Total Points	int

table name   ownership_capitalization

column name	Entity-Attribute Definition	Data Type
application_id	Uniquely identifies an application	int
authorized_shares	Number of Authorized Shares the owner holds in a station	float
class_of_stock	Class of Stock	varchar(60)
issued_shares	Number of Issued Shares the owner holds in a station.	float
last_update_date	The date this record was last updated.	datetime
order_number	A sequence number that indicates the order that entries were made.	smallint
ownership_capitalization_id	A unique number assigned by the system	int
treasury_shares	Number of Treasury Shares the owner holds in a station	float
unissued_shares	Number of Unissued Shares the owner holds in a station	float

voting_ind	Indicates whether the owner's stock is Voting or Non-Voting	char(1)

table name   ownership_contract

column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies an application	int
contract_description	Description of Contract	varchar(255)
contract_person	Contract Person	varchar(255)
execution_date	Date of execution	datetime
expiration_date	Date of expiration	varchar(15)
last_update_date	The date this record was last updated.	datetime
order_number	A sequence number that indicates the order that entries were made.	smallint
ownership_contract_id	A unique number assigned by the system	int

table name   ownership_group

column name	**Entity-Attribute Definition**	**Data Type**
app_arn	ARN (Application Reference Number)	varchar(12)
comm_city	City where the station is located	varchar(20)
comm_state	State where the station is located	varchar(2)
fac_callsign	Call sign of the station	varchar(12)
fac_service	Class of Service (AM, FM, TV)	varchar(2)
fac_service_o	Class of service	varchar(2)
facility_id	Facility id of the station	int
file_prefix	File Prefix	varchar(10)
last_update_date	The date this record was last updated.	datetime
main_application_id	Uniquely identifies an application	int
order_number	Uniquely identifies the position of the row	smallint
ownership_group_id	A unique number assigned by the system	int

table name   ownership_report

column name	**Entity-Attribute Definition**	**Data Type**

column name	Entity-Attribute Definition	Data Type
accurate_date	Date of the ownership report that describes the link between the owner and the facility	datetime
application_id	A unique number assigned by the system	int
attributable_ind	Attributable Interest Indicator	char(1)
entity_control_ind	Governing board under control by another entity Indicator	char(1)
exemption_ind	Exemption Indicator	char(1)
last_update_date	The date this record was last updated.	datetime
non_attributable_ind	Non Attributable Interest Indicator	char(1)
owner_type	The owner may be a sole proprietorship S, not-for-profit corporation N, limited partnership L, for-profit corporation C, general partnership P, or other O	varchar(5)
related_ind	Related Indicator	char(1)
separate_form_ind	Separate Form Indicator	char(1)

table name	ownership_structure	
column name	**Entity-Attribute Definition**	**Data Type**
active_ind	Active Indicator	char(1)
application_id	A unique number assigned by the system	int
appointed_by	The identification of the persons/body that appointed or elected the officer, member of governing board, or stockholder or partner	varchar(60)
citizenship	Citizenship of the person	char(2)
equity_perc	Percentage of Equity	decimal(5,2)
ethnicity_flg	Ethnicity of the person. Hispanic or Latino H, Non Hispanic or Latino N	varchar(5)
existing_interests	Existing Interests	varchar(255)
gender_flg	Gender Indicator (M or F)	char(1)
interest_perc	Percentage of Interest	decimal(5,2)
last_update_date	The date this record was last updated.	datetime
name_address	Name and Address	varchar(255)
occupation	The principal profession or occupation of the party	varchar(60)
office_held	Office or directorship held by an individual associated with the owner	varchar(60)
order_number	A sequence number that indicates the order that entries were made.	smallint

ownership_structure_id	A unique number assigned by the system	int
positional_int	Positional Interest	varchar(255)
race_flg	Race Flag. American Indian or Alaska Native I, Asian A, Black or African American B, Native Hawaiian or Other Pacific Islander H, White W	varchar(5)
votes_perc	Officer, director, cognizable stockholder or partner: Percentage of votes	decimal(5,2)

table name   party

column name	Entity-Attribute Definition	Data Type
last_change_date	The date this record was last updated.	datetime
mso_name	MSO Name field from EEO Annual Employment Report forms	name
party_address1	Mailing Address Line 1	address
party_address2	Mailing Address Line 2	address
party_citizenship	Citizenship	country
party_city	The city in the address of the respondent/applicant, assignor/transferor, assignee/transferee, licensee, owner, station, etc	city
party_company	Firm or Company Name	name
party_country	Country of the party's mailing address	country
party_email	Complete Electronic Mail address for the party.	email
party_fax	The fax number of the Party	phone
party_id	Uniquely identifies the party	int
party_legal_name	Full legal business name of Party (as opposed to the shortened name used on postcards and certain reports)	varchar(255)
party_name	Name of a party to an application	name
party_phone	Telephone number for the party to an application	phone
party_state	State of the party's mailing address	state
party_zip1	Zip Code (first 5 digits) of the address for the party to the application	char(5)
party_zip2	Zip Code +4 of the address for the party to the application	char(4)

table name   personal_info

column name	Entity-Attribute Definition	Data Type
f175_account_id	account_id used by the auctions system	char(10)

f175_initial_date	date of initial submission of 175	datetime
f175_last_date	arn_date copy to app_tracking	datetime
f175_resub_date	date of re-submission of 175	datetime

table name	positional_int	
column name	**Entity-Attribute Definition**	**Data Type**
application_id	Uniquely identifies an application	int
assets_perc	Percentage of total assets (equity plus debt).	float
boardmember_ind	Indicates whether the positional interest party is a member of the board of the controlling organization: Yes/No.	ind
citizenship	Citizenship of the party holding attributable interest.	country
equity_perc	Percentage of Equity	float
last_update_date	The date this record was last updated.	datetime
membership_perc	Percentage of Membership	float
name_address	Name and address of the party holding an attributable interest to the Assignment or Transfer	varchar(250)
owner_perc	Percentage of Ownership	float
title	Title of the person with a positional interest in the application	name
votes_perc	Officer, director, cognizable stockholder or partner: Percentage of votes	float

table name	tv_app_indicators	
column name	**Entity-Attribute Definition**	**Data Type**
ant_5km_ind	Antenna within 5KM of Station Indicator	char(1)
ant_struc_reqs_ind	Certification: Antenna Structure Requirements met	char(1)
application_id	Uniquely identifies an application.	int
bt_used_ind	Indicates whether beam tilt is in use.	char(1)
coverage_exhibit_ind	Placeholder indicator question for the Coverage exhibit in TV apps	char(1)
da_exhibit_ind	Place holder indicator value for an exhibit with no question	char(1)
da_ind	Indicates whether the station uses a directional antenna.	char(1)
dummy_tx_flag	Code for the station type (either LPTV or TV Translator) when the service is TX. Needed for internal processing	char(1)

elec_bt_prop_ind	Indicates whether electrical beam tilt has been proposed.	char(1)
faa_notified_ind	Antenna Structure FAA notification requirements met indicator	char(1)
int_compl_ind	The facility satisfies all interference requirements	char(1)
last_change_date	The date this record was last updated.	datetime
mech_bt_prop_ind	Indicates whether mechanical beam tilt was proposed.	char(1)
no_rotation_ind	Indicates whether there is antenna rotation	char(1)
no_suitable_incore_ind	The applicant is applying for a digital companion channel for which no suitable channel from channel 2-51 is available	char(1)
noise_limited_ind	It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction	char(1)
population_match_ind	It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	char(1)
rad_astr_ind	Radio Astronomy Notifications met Indicator	char(1)
rel_field_values_na	Indicates whether or not there is any Relative Fields values	char(1)
rule_1_1307_ind	No significant health hazard as specified in 1.1307 Indicator	char(1)
rule_73_1660_ind	Transmitter complies with 73.1660 (yes/no)	char(1)
rule_73_1690c_3_ind	Rule 73.1690(c)(3) Apply Indicator, Pattern of Directional Antenna	char(1)
rule_73_607_ind	Facility satisfy Rule 73.607 for Allotment (yes/no)	char(1)
rule_73_610_ind	Indicates whether the proposed facility will satisfy the requirements of rule	char(1)
rule_73_614_ind	Facility complies with Rule 73.614 for ERP, and HAAT (yes/no)	char(1)
rule_73_62_ind	ERP and Haat for this station meets requirements in the 47 CFR Section 73.62	char(1)
rule_73_622_ind	73.622 met for operating DTV Channel Indicator	char(1)
rule_73_623a_ind	Facility satisfies the interference protection provisions of 73.623(a) indicator	char(1)
rule_73_625_ind	Facility complies with Rule 73.625 for Coverage requirements Indicator	char(1)
rule_73_685ab_ind	Facility complies with Rule 73.685 (a) and (b) for community coverage (yes/no)	char(1)
rule_73_685dg_ind	The applicant accepts full responsibility in accordance with 47 C.F.R. Sections 73.685(d) and (g) for the elimination of any objectionable interference	char(1)
rule_74_705_ind	Indicates that interference compliance applies to CFR 74.705 (TV Broadcast analog system protection)	char(1)
rule_74_706_ind	Indicates that interference compliance applies to CFR 74.706 (Digital TV Station protection)	char(1)

rule_74_707_ind	Indicates that interference compliance applies to CFR 74.707 (LPTV and TV Translator station protection)	char(1)
rule_74_786d_ind	The applicant has notified commercial wireless licenses pursuant to Section 74.786(d).	char(1)
rule_74_786e_agr_ind	The applicant proposing operation on channel 63, 64, 68 and 69 ("public safety channels") has secured a coordinated spectrum use agreements(s) pursuant to Section 74.786(e).	char(1)
rule_74_786e_notif_ind	The applicant for a channel adjacent to channel 63, 64, 68 or 69 has notified the 700 MHz public safety regional planning committee(s) and state administrator(s) pursuant to Section 74.786(e).	char(1)
rule_74_786e_wirels_ind	The applicant has notified commercial wireless licenses pursuant to Section 74.786(e).	char(1)
studio_in_comm_ind	Licensee certifies that it has constructed and maintains a main studio at a location in compliance with the requirements of 47 C.F.R. Section 73.1125.	char(1)

table name   tv_eng_data

column name	Entity-Attribute Definition	Data Type
analog_channel	The Analog channel (Filled in for DTV only)	int
ant_input_pwr	The input power, in dBk, of the antenna.	float
ant_max_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float
ant_polarization	Indicates the polarization properties of the proposed antenna: horizontally polarized; circularly polarized; elliptically polarized.	char(1)
ant_rotation	The rotation, in whole degrees, associated with an FX off the shelf directional antenna	int
antenna_id	Identifies a specific antenna make and model	int
antenna_type	The type of the antenna in use: Directional "off the shelf"; Directional Composite (multiple antennas); Non-Directional	char(1)
application_id	Uniquely identifies an application.	int
asrn	Unique ASRN number assigned to a registered tower	int
asrn_na_ind	ASRN Number Not Applicable Indicator	char(1)
aural_freq	The Authorized frequency of the carrier which is modulated by aural information	frequency
avg_horiz_pwr_gain	The average (RMS) horizontal plan power gain, in dB, of the antenna.	float
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float

border_code	Indicates whether the coordinates are sufficiently close to an international border that an agreement w/ a foreign country is applicable.	char(1)
carrier_freq	The center of the carrier frequency band assigned to a station or lower limits of the frequency band when no discrete frequencies are assigned.	frequency
docket_num	The Docket number of a hearing or rulemaking associated with this record.	varchar(20)
dt_emission_mask	Out-of-band spectral emission mask that the station will comply with. Values: 'S' = Simple, and 'T' = Stringent.	char(1)
effective_erp	Effective ERP	float
electrical_deg	Degrees electrical for antennas with beam tilt.	float
elev_amsl	Elevation, in meters, of site above mean sea level	float
eng_record_type	Flag indicating the type of Engineering record this is.	char(1)
fac_zone	The zone of the Principal Community a TV Facility is serving. Can be either I, II, or III	varchar(3)
facility_id	Uniquely identifies a facility.	int
freq_offset	the frequency offset expressed as a plus, minus, zero, or none	char(1)
haat_rc_mtr	The height, in meters, of the radiation center above average terrain.	float
hag_overall_mtr	The absolute overall height above ground to the top of the tower structure including the antenna and lighting, measured in meters	float
hag_rc_mtr	The height, in meters, of the radiation center above ground.	float
horiz_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, horizontal	float
input_trans_line	Input to transmission line (dBk)	float
last_update_date	The date this record was last updated.	datetime
lat_deg	Reference Point, latitude degrees	int
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)
lat_min	Reference Point, latitude minutes	int
lat_sec	Reference Point, latitude seconds	float
lic_ant_make	The make of an antenna (from a license form)	varchar(3)
lic_ant_model_num	The model number of an antenna (from a license form)	varchar(60)
lon_deg	Reference point, longitude Degrees	int
lon_dir	The direction for the longitude: E for East or W for West..	char(1)
lon_min	Reference point, longitude minutes	int

column name	Entity-Attribute Definition	Data Type
lon_sec	Reference point, longitude seconds	float
lottery_group	Integer lottery group id: legacy data only	int
max_erp_dbk	The maximum effective radiated power, measured in decibels over 1 kilowatt.	float
max_erp_kw	The maximum effective radiated power, measured in kilowatts	float
max_haat	The maximum HAAT in any direction, based on the higher of the horizontally polarized or vertically polarized RCAMSL, in meters. This will be blank if both the horizontal and vertical RCAMSLs are blank, or if the coordinates are in an area where we do not	float
mechanical_deg	Degrees mechanical for antennas with beam tilt.	float
multiplexor_loss	The amount of loss, in dB, in the signal attributable to the multiplexer (if	float
power_output_vis_dbk	Visual transmitter output power in decibels above 1 kilowatt	float
power_output_vis_kw	Visual transmitter output power in kilowatts	float
rcamsl_horiz_mtr	The height of the radiation center above mean sea level, measured in meters	float
station_channel	Station Channel	int
tilt_towards_azimuth	The antenna tilt toward azimuth in degrees.	float
trans_line_loss	Transmission line power loss	float
true_deg	Degrees true for antennas w/ mechanical beam tilt.	float
tv_dom_status	The domestic status of the record	varchar(6)
upperband_freq	The upper limit of the frequency band when band limits are indicated	frequency
vert_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, vertical polarization.	float
visual_freq	The Authorized frequency of the carrier which is modulated by picture	frequency
vsd_service	The type of record, or the type of service represented by this record. TV,DT,TX,TB,TR,TA	char(2)

table name   various

column name	Entity-Attribute Definition	Data Type
last_change_date	The date this record was last updated (sometimes NULL, if never updated).	datetime