

BLS DATA DICTIONARY

act_rpt_num	int	app_main pub_not pub_not_hist	Action public notice report number.
action_num	int	status	Action number.
address	vvarchar(180)	app_address	Transmitter location description.
amended_app_num	int	app_amend pub_not pub_not_hist	id_app_num of the application to be amended.
ant_num	int	eng_ant eng_chan eng_emission	Antenna number.
app_code	int	app_main bta_list	Applicant code. Reference to pit_code in personal_info table. See Note #1.
app_purp	char(2)	app_purp	Application purpose code.
app_record_status	char(5)	pub_not pub_not_hist	Application record status. See record_status .
app_rpt_num	int	app_main pub_not pub_not_hist	Application public notice report number.
app_sort	char(4)	pub_not pub_not_hist	Public notice sort key.
att_code	int	app_main	Attorney code. Reference to pit_code in personal_info table. See Note #1.
atten	vvarchar(60)	personal_info	Address "Attention" name.
azimuth	float	eng_ant	The angle in the horizontal plane of the antenna main lobe in degrees, measured clockwise from true north.
b_count	int	callsign_suffix	Count of boosters for this call sign.
beam_tilt	float	eng_ant	Amount of non_standard beam tilt.
beam_width	float	eng_ant	The total angle measured in the horizontal plane of maximum radiation between which at least ½ the maximum power can be measured.
bearing	int	ant_rpatterns ant_tpatterns	The angle in the horizontal plane of a specific element of the antenna pattern.
booster_fac_num	int	booster	id_fac_num of the booster facility.
bta_city	vvarchar(60)	bta_list	City name of BTA.
bta_county	vvarchar(60)	bta_county	County name of county in BTA.
bta_state	char(2)	bta_county bta_list	State code of BTA.
business	vvarchar(60)	personal_info	Business name.
callsign	char(12)	app_main callsign_suffix fac_main pub_not pub_not_hist	Call Sign of the facility or station
chan_adj	char(3)	chan_adjacent_list	Adjacent Channel.
channel	char(3)	chan_adjacent_list chan_freq_list channel_group eng_chan	Channel.
channel_grp	char(3)	chan_freq_list	Group identifier of associated channels.
city	vvarchar(60)	app_address personal_info	City used in mailing address (personal_info) or transmitter location (app_address).
code	char(12)	app_address	Used to indicate type of address. The code for

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			transmitter address is "TX".
		app_spec_cond	Identifying code for text tables.
	char(5)	status	For code_type = "AC" "ASSGN" – Assignment of License "CMNTS" – Comments added. "PSTCD" – Postcard sent. "REPLC" – Application replaced by major amendment. For code_type = "AS", new application status. For code_type = "FS", new facility status. There is an additional status code of "PRELI" which contains the eventual license expiration date for a conditional license. For code_type = "HC", hold code applied. For code_type = "PC", pleading code applied. For code_type = "PN" "ACT" – Action public notice. "APP" – Application public notice. For code_type = "TC" "ENG" – New FCC engineer. "LAW" – New FCC attorney. For code_type = "UPD" "CONDT" – Consummation date. "CSIGN" – New call sign. "EXT" – Extension of time.
		txt_list uq_txt_list	Code that uniquely identifies text within code_type .
code_txt	varchar(70)	txt_list uq_txt_list	Line of text.
code_type	char(5)	status	"AC" – Action. "AS" – Application status. "FS" – Facility status. "HC" – Hold code. "PC" – Plead code. "PN" – Public Notice. "TC" – Change of FCC processor. "UPD" – Update.
		txt_list uq_txt_list	"RPT" – Canned report text. "SCR" – Special condition. "SCU" – Unique special condition. "TBL" – Table description.
country	varchar(60)	personal_info	Country of data.
	char(10)	border	Identifier of data.
county	varchar(60)	app_address personal_info	Not used.
cp_app_arn	char(12)	app_main	Application reference number of the original construction permit being covered or modified by a new application.
cp_id_app_num	int	app_main	Id_app_num of the construction permit.
date_accepted	datetime	app_main	Date an application is accepted for filing.
date_bta_exp	datetime	bta_list	Expiration date of BTA.
date_code_eff	datetime	status	Date on which the status indicated became effective.
date_code_end	datetime	status	Date on which the status indicated was superseded.

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date_disposed	datetime	app_main	Date the application was disposed.
date_last_pn	datetime	pub_not pub_not_hist	Date of last previous public notice for this application.
date_pn_released	datetime	pub_not pub_not_hist	Date on which the public notice was released.
date_received	datetime	app_main	Date on which an application was received by the FCC and on which the new file number was assigned.
date_record_status	datetime	fac_main	Date on which the application/facility received its current status.
date_status_eff	datetime	pub_not pub_not_hist	Date on which the application status became effective.
date_target_exp	datetime	status	Expiration date identified by status.
eirp	float	eng_ant	Maximum effective isotropically radiated power in the horizontal plane—in dBw.
email	varchar(60)	personal_info	E-mail address.
emission	char(1)	eng_ant	Not used.
emission_aural	varchar(10)	eng_emission	Aural emission designator for the transmitter.
emission_visual	varchar(10)	eng_emission	Visual emission designator for the transmitter.
eng_code	int	app_main	Engineer code. Reference to pit_code in personal_info table. See Note #1.
fac_id_num	int	fac_main	Facility Id Number
fac_record_status	char(5)	pub_not pub_not_hist	Status of facility. See record_status .
fac_type	char(4)	app_main fac_main	Type of facility within service ITFS “IF” – Instructional television fixed service “IFB” – ITFS booster. “IFC” – ITFS response receiver. “IFD” – ITFS developmental “IFS” – ITFS studio link. MDS “ICB” – ITFS,ITFSX high-power booster. “ICH” – ITFS,ITFSX response station hub “ICX” – ITFS,ITFSX low-power booster. “ICY” – ITFS,ITFSX downstream I channel. “IFB” – ITFS high-power booster. “IFH” – ITFS response station hub. “IFX” – ITFS low-power booster. “IFY” – ITFS downstream I channel. “MD” – Multi-point distribution service. “MDB” – MDS booster. “MDC” – MDS commercial ITFS. “MDCB” – MDS,ITFSX high-power booster. “MDCH” – MDS,ITFSX response station hub. “MDCX” – MDS,ITFSX low-power booster. “MDCY” – MDS,ITFSX downstream I channel. “MDH” – MDS response station hub. “MDIB” – MDS,ITFS high-power booster. “MDIH” – MDS,ITFS response station hub. “MDIX” – MDS,ITFS low-power booster. “MDIY” – MDS,ITFS downstream I channel. “MDV” – MDS developmental. “MDX” – MDS low-power booster. “MDY” – MDS downstream I channel.

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			<p>“MICB” – MDS,ITFS,ITFSX high-power booster. “MICH” – MDS,ITFS,ITFSX response station hub. “MICX” – MDS,ITFS,ITFSX low-power booster. “MICY” – MDS,ITFS,ITFSX downstream I channel.</p>
fax	char(10)	personal_info	Fax telephone number.
file_prefix	char(8)	app_main	First 8 positions of the file number: Derived from letter “B” + new_app_type + fac_type.
flag_27_83	char(1)	eng_coords	“M” = Marker (NAD27) “S” = Satellite (NAD83)
flag_active	char(1)	chan_freq_list code_list	Indicates if specific row is used.
flag_app_act	char(1)	pub_not pub_not_hist	“A” – Application public notice. “C” – Action public notice.
flag_audit	char(1)	app_main	Flag indicating application chosen for random audit.
flag_bta_pbta	char(1)	fac_bta_pbta	Indicates whether row represents a BTA or partitioned BTA.
flag_cc	char(1)	app_main fac_main	Used to identify common carriers.
flag_cross_plane	char(1)	ant_rpatterns	Indicator for receiver antenna patterns.
flag_current	char(1)	app_main	Used to identify current status of application relative to all applications for facility. See Note #2. “A” – Archived (No current use). “C” – Certified. “M” – Granted but not certified. “P” – Pending. “L” – Current certification.
flag_emission	char(1)	eng_emission	“A” – Analog. “D” – Digital.
flag_hold	char(1)	app_main	Indicates application has been placed on hold.
flag_job	char(1)	personal_info	“A” – Attorney “E” – Engineer “L” – Licensee “P” – Permittee “R” – Contact Representative. All other values are FCC internal.
flag_loc_pro	char(1)	eng_coords	“L” – TX/RX site location record. “P” – Center of protected service area.
flag_major	char(1)	app_main	Indicates major modification.
flag_mx	char(1)	app_main	Indicates application is mutually exclusive with one or more other applications.
flag_omni	char(1)	eng_ant	Indicates omni / directional antenna.
flag_pbta	char(1)	bta_list	Indicates if BTA is partitioned.
flag_pre83	char(1)	eng_location	Not used.
flag_protect	char(1)	eng_location	Indicates protected area.
flag_renewal	char(1)	pub_not pub_not_hist	Indicates if application is a renewal.
flag_sent	char(1)	pub_not pub_not_hist	Indicates whether the application/action is to appear on public notice.
flag_tx_rx	char(1)	eng_ant eng_coords eng_location	“T” – Transmitter site “R” – Receiver site “X” – Response site
flag_uq	char(1)	app_spec_cond	Indicates whether condition is unique to

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			application or “canned.”
fm_att_id	int	transfer_ctrl	From attorney – pit_code .
fm_pit_id	int	transfer_ctrl	From licensee – pit_code .
form_id	int	app_main	Each type of form has a form ID number assigned to it.
freq_lower	char(17)	chan_freq_list	Lower bound of frequency range.
freq_upper	char(17)	chan_freq_list	Upper bound of frequency range.
gain	float	ant_rpatterns	The ratio of output power to input power of the antenna, in dBi.
grd_elev	float	eng_location	Ground elevation above mean sea level.
group_id	int	app_mx	Identifier of mutually exclusive group of applications.
group_name	char(2)	channel_group	Channel group identifier.
h_count	int	callsign_suffix	Count of hubs for this callsign
hgt_rcamsl	float	eng_ant	Height of the antenna center of radiation above mean sea level
hgt_struct	float	eng_location	Overall height of antenna structure.
i_count	int	callsign_suffix	Count of I channels for this callsign.
id_app_num	int	app_amend app_address app_main app_mx app_purp app_spec_cond assoc_callsign booster eng_ant eng_chan eng_coords eng_emission eng_location fac_bta_pbta pub_not pub_not_hist status transfer_ctrl uq_txt_list	System-generated key that uniquely identifies an application. This key is the link to all tables associated with applications.
id_app_num_304	int	bta_list	id_app_num of form 304.
id_app_num_soi	int	bta_list	id_app_num of Statement of Intention.
id_bta_num	int	bta_county bta_list fac_bta_pbta	BTA identifier.
id_fac_num	int	app_main assoc_callsign eng_location fac_bta_pbta fac_main pub_not pub_not_hist status transfer_ctrl	System generated key that uniquely identifies a facility.
id_srv	char(2)	ant_rpatterns ant_tpatterns app_main chan_adjacent_list	“MD” – Multi-point Distribution Service. “VX” – Instructional Television Fixed Service.

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		chan_freq_list fac_main txt_list	
latdeg	int	eng_coords	Reference point, latitude degrees.
latdir	char(1)	eng_coords	Reference point, latitude hemisphere.
latitude	real	border	Reference point, latitude in decimal seconds.
latmin	int	eng_coords	Reference point, latitude minutes.
latsec	int	eng_coords	Reference point, latitude seconds.
lic_code	int	fac_main	Licensee code. Reference to pit_code in personal_info table. See Note #1.
line_seq	int	txt_list uq_txt_list	Sequential order of lines within the body of a comment.
londeg	int	eng_coords	Reference point, longitude degrees.
londir	char(1)	eng_coords	Reference point, longitude hemisphere.
longitude	real	border	Reference point, longitude in decimal seconds.
lonmin	int	eng_coords	Reference point, longitude minutes.
lonsec	int	eng_coords	Reference point, longitude seconds.
main_fac_num	int	booster	id_fac_num of the facility being boosted.
make	char(20)	ant_rpatterns ant_tpatterns	The manufacturer of an antenna.
	char(3)	eng_ant	the manufacturer of an antenna
model	char(20)	ant_rpatterns ant_tpatterns eng_ant	The model number of an antenna.
modulation_type	varchar(20)	eng_emission	Modulation type.
months_to_construct	int	app_main	Number of months authorized for construction.
name	varchar(60)	app_address personal_info	Mailing address name.
new_app_arn	char(12)	app_main	Application Reference Number.
new_app_type	char(5)	app_main	Types of applications: “AL” – Assignment of License. “AP” – Assignment of Permit. “C” – Initial certification of license. “E” – Extension of time request. “L” – Initial certification of license. “LMA” – Major amendment to licensed facility. “LNA” – Minor amendment to licensed facility. “LMP” – Major modification to licensed facility. “LNP” – Minor modification to licensed facility. “MA” – Major amendment to pending permit. “MC” – Certification of license. “ML” – Certification of license. “MP” – Major modification of granted permit. “NA” – Minor amendment to pending permit. “NP” – Minor modification of granted permit. “P” – Construction Permit. “R” – Renewal of license. “S” – Statement of Intention. “STA” – Special temporary authority.” “TC” – Transfer of control.
new_content	varchar(60)	status	Contents depend on code_type/code . “AC/REPLC” – id_app_num of the amendment which replaced this application. “AS/ACCPT” – For amendments only, previous application type.

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			<p>“PN/ACT” – Action public notice report number. “PN/APP” – Application public notice report number. “TC/ENG” – pit_code of new FCC engineer. “TC/LAW” – pit_code of new FCC attorney. “UPD/CONDT” – pit_code of new licensee. “UPD/CSIGN” – new call sign.</p>
offset	char(1)	eng_chan	Frequency offset expressed as plus, minus, or zero.
old_content	varchar(60)	status	<p>Contents depend on code_type/code. “AS/ACCPT” – For amendments only. New application type. “TC/ENG” – pit_code of old FCC engineer. “TC/LAW” – pit_code of old FCC attorney. “UPD/CONDT” – pit_code of old licensee. “UPD/CSIGN” – old call sign.</p>
phone	varchar(20)	personal_info	Telephone number.
pit_code	int	personal_info	Personal_info table identifying code. See Note #1.
polar	char(1)	eng_ant	The direction of the electrical field radiated from the antenna.
pro_area	char(4)	eng_location	<p>Used to indicate type of protected area: “P35” – 35 mile protected area. “BTA” – Basic Trading Area.</p>
radiation	float	ant_tpatterns	Signal strength adjustment factor for specific azimuth.
record_status	char(5)	app_main fac_main transfer_ctrl	<p>Record status of the facility, application or amendment. Facility “APCAN” – Original permit application cancelled. “APDEN” – Original permit application denied. “APDIS” – Original permit application dismissed. “APRET” – Original permit application returned. “CONDL” – Conditional license. “CPAPP” – Construction permit applied for. “LFORF” – License forfeited. “LICAN” – License cancelled. “LICEN” – Licensed. “PFORF” – Permit forfeited. “PRCAN” – Permit cancelled. Application/Amendment “ACCPT” – Accepted. “APCAN” – Cancelled. “APDEN” – Denied. “APDIS” – Dismissed. “APRET” – Returned. “GRANT” – Granted. “REPLC” – Replaced (by an amendment). “TENDR” – Tendered.</p>
ref_app_arn	char(12)	app_main	Application reference number of application referenced by this amendment.
ref_id_app_num	int	app_main	Id_app_num of the ref_app_arn .
rep_code	int	app_main	Application representative code. Reference to pit_code in personal_info table. See Note #1.
seq_num	int	app_spec_cond	Sequential order of conditions.
		assoc_callsign	Sequential order of associated call signs. 1 indicates lead call sign.

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		booster	Sequential order of booster assignments.
sta_class	char(3)	fac_main	“BA”, “BS” or null.
state	char(2)	app_address personal_info	Address state.
street_address1	varchar(60)	personal_info	Mailing address street address line 1.
street_address2	varchar(60)	personal_info	Mailing address street address line 2.
title	varchar(60)	personal_info	Title used with name.
to_att_id	int	transfer_ctrl	To attorney – pit_code .
to_pit_id	int	transfer_ctrl	To licensee – pit_code .
tower_id	char(12)	eng_location	Antenna Site Registration number (ASRN).
tower_num	int	eng_ant eng_chan eng_coords eng_emission eng_location	Numeric identifier of transmitter/receiver tower
zip1	char(5)	personal_info	Mailing address zip code, first 5 characters.
zip2	char(4)	personal_info	Mailing address zip code, last 4 characters.

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NOTES:

1. The personal_info table contains entries for individual companies, firms and persons. Each entry contains the mailing address, phone, fax, e-mail address, etc. The entries are identified by a system generated number—**lic_code**. The pointers to this table identify the relationship (licensee, attorney, etc.) between the facility or application and the individual entries in this table. For example, the **app_code** column in the app_main table identifies the applicant by pointing to the appropriate **lic_code** in the personal_info table.
2. The **current_flag** is used to determine the so-called “alpha” application for a facility. This application has associated with it (through the **id_app_num** column) the engineering information that is currently defined for that facility. The procedure is as follows:
 - a. The application with a **current_flag** of “C” is the “alpha” application.
 - b. If there is no “C” application, the application with a **current_flag** of “M” is the “alpha” application.
 - c. If there is neither a “C” or an “M” application, the “alpha” application is the pending permit.