

International Bureau Electronic Filing System **(IBFS)**

Database Structure

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Introduction:

IB is responsible for licensing/approving requests for a number of international telecommunications service areas. These include applications for Section 214 streamlined and non-streamlined authority (ITC), Submarine Cable landing license (SCL), recognized operating agency status (ROA), data network identification codes (DNIC), international signaling point codes (SPC), foreign carrier notifications (FCN), accounting rate changes (ARC), International Special Projects (ISP) and special temporary authority. The Rules applicable to most of these applications are contained in 47 CFR Part 63 and 64 of the Commission's Rules. No paper application form currently exists for any of these requests. Web forms are available to IBFS users who are electronically filing all but ISP type applications. Applicants currently file either a written request or an electronic IBFS form along with required attachments, and a Form 159 (if required) to the FCC for processing.

The International Bureau Electronic Filing System (IBFS) processes applications for 13 service areas:

1. 325 Section 325-C applications for permit to foreign broadcast (47 CFR Part 73 (73.3545)) – Any entity who seeks permission to deliver programming to foreign stations must seek authority through formal application. Applications are filed on an FCC Form 308. Electronic filing of these applications is not currently available in IBFS. However, pertinent information from paper filings is entered into IBFS and used to process the application and generate PNs, licenses and reports in the system.
2. ARC Accounting Rate Changes filings (Part 63) – US International facilities-based carriers are required to file information on new accounting rates they negotiate with foreign carriers, except for agreements with non-dominant foreign carriers.
3. DNC Requests for assignment of a data network identification code (DNIC) (Part 64) – Any public network that wishes to operate on an X.25 packet switch protocol and which interconnects with another data network through an X.70 interface must request a DNIC.

4. FCN Foreign Carrier Notification Filings (Part 64) – Authorized international section 214 holders must notify the Commission either prior to or after the consummation of an investment resulting in a foreign carrier affiliation, as detailed in the rules.

5. IHF International HF Broadcast Applications (Part 73) – An international broadcast station employs frequencies allocated to the broadcasting service between 5,9450 and 26,100 kHz. The transmissions of an international broadcast station, which are licensed to non-governmental entities only, are intended to be received directly by the general public in foreign countries. **(Radio)**

Several forms are used to file these applications, including FCC Forms 309, 310, 311, 314, 315 and 316. Requests for frequency assignment and coordination and special temporary authority are filed in a letter of request. Electronic filing of these applications is not currently available in IBFS. However, pertinent information from paper filings is entered into IBFS and used to process the application, run a tower clearance and generate PNs, licenses and reports in the system.

6. IPF International Public Fixed Radio applications (Part 23) – International Fixed Public Radio Communication is a fixed service in which the stations are intended to provide radio Communications between any one of the 50 states or any U.S. Possession and any foreign point. In addition, radio communications within the contiguous 48 states in connection with the relaying of international traffic between stations, which provide the above service, are also deemed international fixed public radio communications. **(Radio)** Applications are filed on several forms, 407, 704, 405, 701, 403, or written request. All applications require the filing of a Form 159 in addition to the form(s) applicable above. Electronic filing of these applications is not currently available in IBFS. However, pertinent information from paper filings is entered into IBFS and used to process the application, to run certain validations (i.e., tower clearance) and to generate PNs, licenses and reports in the system.

7. ISP International Special Projects Filings (Part 63) – Entities who wish to provide switched services via international private lines interconnected with the public switched network at one or both ends between the US and a foreign country or entities who wish to request the indirect foreign ownership of a common carrier in excess of the 25% benchmark of Section 310(b)(4) of the Communications Act of 1934, as amended, must request such authority by formal application.

8. ITC International Telecommunications Certificate (Part 63) – Except as otherwise provided in Part 63, any party seeking authority pursuant to Section 214 of the Communications Act of 1934, as amended, to construct a new line, or acquire or operate any line, or engage in transmission over or by means of such additional line for the provision of common carrier communications services between the United States, its territories or possessions, and a foreign point shall request such authority by formal application.

9. ROA Requests for Recognized Operating Agency status (Part 63) – A request for Recognized Private Operating Agency status is mandatory for any individual or corporation, other than a government establishment, that seeks recognition to operate an international public correspondence or radio service capable of causing harmful interference and upon which are imposed obligations provided for in Article 44 of the International Telecommunications Convention.

10. SAT Applications for satellite space station authorizations (Part 25) – There are two types of space stations, which require authorizations, Geostationary (GSO) and non-Geostationary (NGSO). GSO Satellite Services use radio transmission between authorized geostationary satellite space stations and earth stations for common carrier and/or non-common carrier communications. FCC authorization is required to launch and operate space stations. NGSO space stations orbit the earth in non-geostationary orbits. Because an NGSO satellite system is generally comprised of a number of technically identical space stations, a “blanket” system application may be filed for a specified number of space stations. The space stations may transmit to fixed or mobile earth stations for common carrier and/or non-common carrier communications. **(Radio)**
11. SCL Applications for Submarine Cable Landing Licenses (Part 63) – Entities who wish to terminate one or both ends of a cable in the territorial waters of the United States must seek FCC authorization.
12. SES Applications for Satellite Earth Station licenses or registration (Part 25) – Entities who wish to operate a station located either on the Earth’s surface or within the major portion of the Earth’s atmosphere intended for communication with a) one or more space stations or b) with one or more stations of the same kind by means of one or more reflecting satellites or other objects in space must seek FCC authorization. **(Radio)**
13. SPC Requests for assignment of an International Signaling Point Code (Part 64) – The FCC is the U.S. Administrator of Signaling Area Network Codes (SANCS), allocated to the U.S. by the International Telecommunication Union-Telecommunications Sectors (ITU-T), and issues International Signaling Point Codes (ISPCs) to the requesting carriers for Signaling System No. 7 (SS7).

Tables vs IBFS Subsystems

Table Name	File Name	325	ARC	DNC	FCN	IHF	IPF	ISP	ITC	ROA	SAT	SCL	SES	SPC
accounting_change	acct.dat		X											
accounting_change_code			X											
accounting_change_rate	acct_rt.dat													
action_code	act_code.dat													
address	address.dat					X	X				X	X	X	
address_history						X	X				X	X	X	
antenna	anten.dat												X	
antenna_condition	ant_cond.dat												X	
antenna_fx	ant_fx.dat					X	X							
antenna_gain	ant_gain.dat												X	
antenna_type_code	ant_type_code.dat					X								
app_type_code	app_typ_code.dat													
assign_list	assign_lst.dat										X		X	
assignment	assign.dat										X	X	X	
attachment						X	X				X	X	X	
auth_subsystem														
azimuth	azimuth.dat					X	X							
blocked_history	blk_hist.dat													
blocked_history_code														
blocked_reason_code	blk_reas_code.dat													
class_of_station_code	class.dat												?	
comment						X	X				X	X	X	

Table Name	File Name	325	ARC	DNC	FCN	IHF	IPF	ISP	ITC	ROA	SAT	SCL	SES	SPC
condition	cond.dat													
constraints not used	constr.dat													
contact	contact.dat					X	X				X	X	X	
coord_pt													X	
county	county.dat													
country_code	country_code.dat													
default_user														
destination	destina.dat												X	
dnic	dnic.dat			X										
earth_station_sta	earth_sta.dat												X	
fee_type	fee_type.dat													
filing_history	fil_hist.dat													
filing_tracking														
filenum_assign_list												X		
filenum_sequence														
filenum_xref	filenum_xref.dat													
form_312	form_312.dat										X		X	
form_325C	form_325c.dat	X												
form_325C_sta not used	form_325c_sta.dat	X												
form_405	form_405.dat													
freq_coord	freq_coord.dat												X	
frequency	freq.dat												X	
frequency_band	frequency_band.dat													

Table Name	File Name	325	ARC	DNC	FCN	IHF	IPF	ISP	ITC	ROA	SAT	SCL	SES	SPC
frequency_condition	freq_cond.dat												X	
frequency_fx	freq_fx.dat					?	X				X			
frequency_sat	frequency_sat.dat										X			
fx	fx.dat					X	X							
ib_user														
ib_group														
intl_aloc_frequency	intl_aloc_frequency.dat										X			
ispc	ispc.dat							X						
keyword	keyword.dat													
license_condition	lic_cond.dat					X	X				X	X	X	
licensee_history	licensee_history.dat													
main	main.dat	X	X	X	X	X	X	X	X	X	X	X	X	X
mru_filing														
nature_of_service	nat_serv.dat										X		X	
nature_of_service_code	nat_serv_code.dat										X		X	
note	note.dat missing					X	X				X	X	X	
note_type_code	note_type_code.dat													
other_company												X		
petition_to_deny	petit_deny.dat													
paint_light	pls.dat												X	
polarization_code	polar.dat					?	?							
ptcomm	ptcomm.dat												X	
ptcomm_fx	ptcomm_fx.dat					?	X							

Table Name	File Name	325	ARC	DNC	FCN	IHF	IPF	ISP	ITC	ROA	SAT	SCL	SES	SPC
purpose	purpose.dat										X		X	
purpose_code	purpose_code.dat										X		X	
remote_control	rem_contrl.dat					X	X						X	
ROA	roa.dat									X				
section_214	sect_214.dat				?				X			X		
section_214_service														
section_214_service_code					?				?					
section_214_sta	sec_214_sta.dat				?				?			X		
site	site.dat					X	X						X	
site_condition	site_cond.dat												X	
space_station	space_sta.dat												X	
space_station_sta	space_sta_sta.dat										X			
status_tracking	stat_track.dat					X	X				X	X	X	
state	state.dat													
station	station.dat	X				X	X							
status_code	status_code.dat													
subsystem_code	subsys_code.dat													
subsystem_report	subsys_rpt.dat													
transmitter	transmitter.dat					X	X							
type_application_code	type_appl_code.dat													

IB Application Forms

OMB No.

3060-0678	Application for Satellite Space and Earth Station Authorizations – 312 Main Form, Schedule B, & Schedule A
3060-0093	Application for Renewal of Radio Station License in Specified Services (47 CFR Parts 5, 21, 22, 23, 25, 101) Form 405
3060-0454	Application for an Accounting Rate Change - ARC
3060-0686	International Section 214 Application (including Special Temporary Authority) – Section 214
3060-0901	Foreign Carrier Affiliations Notification - FCN
3060-0944	Submarine Cable Landing License Application - SCL
3060-0357	Recognized Operating Agency Filing - ROA
3060-589	FCC Remittance Advice and Continuation Sheet FCC 159 and FCC 159C Continuation Sheet

All non administrative and internal tracking system tables associated with IBFS are exported and available for downloading from the FCC Web site a zipped file on a weekly basis — Mondays, 8 to 9 am. See, www.fcc.gov/oet/info/database/fadb.html, for the location of this data set and other assignment databases and associated software. The file structure of the exported tables is described below.

Legal Stuff:

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Some assembly required, batteries not included, no 800 support, use at your own risk!

Questions regarding the content of these tables should be directed to the International Bureau.

Please note that newline characters (“\n”) are present in some text fields in this data set. As a work around for “bcp” table exporting, the character string of “|^” has been placed at the end of each record so that when combined with the newline character (“\n”), this combination creates a unique end of record character string.

Main (filing_key) —>	Site (site_key) —>	Antenna (antenna_key)	Frequency	
		(antenna_key) —>	Freq_Coord	
where: SubsystemCode = "SES"	where: FilingState = "0" or = "1"	where:	where:	
sort (1): CallSign	sort (2): SiteId	sort (3): AntennaKey AntennaId	sort (4): FrequencyLower FilingKey	

TABLE ACCOUNTING_CHANGE [filename: acct.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int		System generated key uniquely identifying rows in this table.	Pointer to: filing_key.MAIN
carrier		vchar(80)	ARC: Box 4 ARC: Box 5		"U.S. Carrier" "Foreign Carrier"
administration		vchar(80)			
country_code	—	char(3)			

TABLE ACCOUNTING_CHANGE_RATE [filename: acct_rt.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
accounting_rate_change_key		integer		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		integer		System generated key uniquely identifying rows in this table.	Pointer to: filing_key.MAIN
service		vchar(40)	ARC: Box S4		“Service”
current_rate		vchar(30)	ARC: Box S5		“Current Rate”
new_rate		vchar(30)	ARC: Box S6		“New Rate”
surcharge		vchar(30)	ARC: Box S7		“Surcharge”
date_effective		datetime[19]	ARC: Box S8		“Date Effective”
date_expire		datetime[19]	ARC: Box S9		“Date Expire”
type_arrangement_sw		char(1)			Yes / No
prop_return_sw		char(1)	ARC: Box S11		Yes / No “Proportionate Retrun”

TABLE ACTION_CODE [Filename| act_code.dat] — Shows actions availabale in IBFS, *etc.*, grant, dismiss, *etc.*

Field Name	Units	Field Type	Form / Box	Field Description	Notes
action_code		char(3)	Internal		Pointer to: MAIN and STATUS_TRACKING
description		vchar(50)	Internal		
verbose		vchar(255)	Internal		
inactive_date		datetime[19]	Internal		

TABLE ADDRESS [Filename: address.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
address_key		int		System generated key that uniquely identifies the addressee row in the ADDRESS table.	Pointer to: MAIN
address_id		char(12)		ID of address. DUNS number or other ID.	“Owner ID” code
address_name		vchar(80)	ARC: Box 1 312:1 312:A1 312:A10 312:A15	Name of the addressee	Licensee/Applicant/Owner
dba_name		vchar(80)	ARC: Box 1 312:3	Name addressee is doing business under.	
street1		vchar(80)	ARC: Box 1 312:5 312:A3 312:A11 312:A16	Mailing address, 1 st street address line.	
street2		vchar(80)	ARC: Box 1 312:5 312:A3 312:A11 312:A16	2 nd street address line.	ARC: Box 1 “Attention”
city		vchar(40)	ARC: Box 1 312:6 312:A5 312:A12 312:A17	Mailing address city name.	
state_code		char(2)	ARC: Box 1 312:7 312:A6 312:A13 312:A18	Mailing address state name.	<i>Child:</i> STATE_CODE

Field Name	Units	Field Type	Form / Box	Field Description	Notes
zipcode		char(10)	ARC: Box 1 312:8 312:A7 312:A14 312:19	Mailing address Zip Code.	
country_code		char(3)	ARC: Box 1 312:7 312:A6 312:A13 312:A18	Mailing address country.	<i>Child:</i> COUNTRY_CODE
Soundex		char(12)			
Dbasoundex		char(12)			
Frn		char (10)			FCC Registration Number
redlight	—	char(1)			Yes / No – Flag indicating

TABLE ANTENNA [filename: anten.dat]
Form 312 - Schedule B (Technical and Operational Description)

Field Name	Units	Field Type	Form / Box	Field Description	Notes
antenna_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_id		char(10)	312:B (Antenna) “Antenna ID”	Antenna ID entered on the application	Licensee/applicant defined.
site_key		int			Pointer to: site_key.SITE
diameter	meters	float	312:B (Antenna) “Diameter”	Diameter of the earth station antenna in meters. For non-circular aperture antennas, this is the diameter of circular aperture antenna with the equivalent peak-gain.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
diameter_minor	meters	float	312:B (Antenna) "Diameter Minor"	The minor-axis diameter of a non-circular aperture earth station antenna in meters.	
diameter_major	meters	float	312:B (Antenna) "Diameter Major"	The major-axis diameter of a non-circular aperture earth station antenna in meters.	
height_bldg_agl	meters	float	312:B (Antenna) "Building Height AGL"	Building height above ground level (AGL) in meters on top of which the antenna is situated. Applies only when the antenna is situated on top of a building.	Letter "b" of the antenna structure figure.
height_max_agl	meters	float	312:B (Antenna) "Maximum Antenna Height AGL"	Maximum height above ground level (AGL) of antenna, expressed in meters.	Letter "c" of the antenna structure figure.
height_max_amsl	meters	float	312:B (Antenna) "Maximum Antenna Height AMSL"	Maximum height above mean sea level (AMSL) of antenna, expressed in meters.	Letter "a" of the antenna structure figure.
height_max_roof	meters	float	312:B (Antenna) "Maximum Antenna Height Above Rooftop"	Maximum height of antenna above building rooftop. Applies only when the antenna is situated on top of a building.	= ("c" - "b") of the antenna structure figure.
manufacturer		vchar(40)	312:B (Antenna) "Manufacturer"	Antenna manufacturer	This field sometime also contains the model number.
max_input_power	watts	float	312:B (Antenna) "Total Power at Antenna Flange for All Carriers"	The maximum authorized composite power into the input flange of the antenna from all emissions.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
max_output_eirp	dBW	float	312:B (Antenna) "Total EIRP for All Carriers"	The maximum authorized composite output EIRP from all emissions transmitted from the antenna.	
model		vchar(20)	312:B (Antenna) "Model"		
quantity		int	312:B (Antenna) "Quantity"	The number of antennas of the specified model used at the earth station.	
tower_id		char(10)		Antenna Structure Registration No.	
tower_cleared_sw		char(1)			Yes / No

TABLE ANTENNA_CONDITION [filename: ant_cond.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
condition_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int			Pointer to: ANTENNA.ANTENNA_KEY
condition_code		int			Pointer to: CONDITION.condition_key

TABLE ANTENNA_FX [Filename: ant_fx.dat] — used with IHF

Field Name	Units	Field Type	Form / Box	Field Description	Notes
antenna_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
site_key		int	Site		Pointer to: SITE.site_key

Field Name	Units	Field Type	Form / Box	Field Description	Notes
antenna_id		char(10)		Antenna ID entered on the application.	Licensee/applicant defined.
gain_1	dBi	float		The first measured antenna gain for either receive or transmit mode. The antenna gain is expressed in dBi and is paired with "freq_1" column to give the gain measured at a frequency, such as: 50.5 dBi at 6 MHz.	
gain_2	dBi	float		The first measured antenna gain for either receive or transmit mode. The antenna gain is expressed in dBi and is paired with "freq_2" column to give the gain measured at a frequency, such as: 50.5 dBi at 6 MHz.	
frequency_1	MHz	char(17)		Frequency in MHz	
frequency_2	MHz	char(17)		Frequency in MHz	
polarization_code		char(3)		Code of polarization type authorized for the associated frequency range and emission.	Child: POLARIZATION_CODE.Polarization_code A = Linear and Circular C = Left and Right Circular H = Horizontal L = Left Hand Circular OTH = Other R = Right Hand Circular V = Vertical Z = Horizontal and Vertical
frequency_lower		char(17)		The lower frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_upper	MHz	char(17)		The upper frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
height_max_amsl	meters	float		Maximum height of this model antenna above mean sea level (AMSL), expressed in meters	
height_max_agl	meters	float		Maximum height of this model antenna above ground level (AGL), expressed in meters.	
elevation	meters	float		Ground elevation (AMSL), expressed in meters	Letter "a" of the antenna structure figure.
manufacturer		vchar(40)		Manufacture of Antenna	
model		vchar(20)		The manufacture product Model number for the antenna	
quantity		int			
tower_id		char(10)		The FAA ID for tower	
beamwidth		float			
rotatable_sw		char(1)			Yes / No
take_off_angle		float			
sleuable_sw		char(1)			Yes / No
slew_amt		float			
target_zone		vchar(80)			
antenna_type_code		char(2)			Child: antenna_type_code.antenna_type_code
antenna_pattern		char(2)			
schematic_sw		char(1)			Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
operation_desc		vchar(255)			
tower_cleared_sw		char(1)			Yes / No

TABLE ANTENNA_GAIN [filename: ant_gain.dat] – SES

Field Name	Units	Field Type	Form / Box	Field Description	Notes
gain_key		integer		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int			Pointer to: ANTENNA.antenna_key
gain	dBi	float	312:B (Antenna) “Gain”		
frequency	MHz & GHz	char(17)	312:B (Antenna) “Frequency”		Mixed units
trans_mode		char(1)			

TABLE ANTENNA_TYPE_CODE [filename: ant_type_code.dat] — used with IHF

Field Name	Units	Field Type	Form / Box	Field Description	Notes
antenna_type_code		char(2)			Pointer to: ANTENNA_FX.antenna_type_code
description		vchar(50)			
inactive_date		datetime[19]			

TABLE APP_TYPE_CODE [Filename: app_typ_code.dat] — Defines application types such as “LIC”, “C/P”, “MOD”, etc.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
app_type_code	—	char(3)			Pointer to: MAIN
subsystem_code	—	char(3)			Child: SUBSYSTEM_CODE
application_type	—	vchar(50)			
verbose	—	vchar(255)			
pb_class_name	—	vchar(50)			
pb_license_class_name	—	vchar(50)			
inactive_date	—	datetime[19]			
java_class_name	—	varchar(50)			

214
A/O
AMD
ASG
C/P
DRZ
EXT
ISP
ITC
L/A
LFS
LIC
LOA
LOI
LPN
MOD
MSC
NDS
NEW
NOT
PDR
PPL
REG

RPL
 RWL
 STA
 T/C
 TAO
 WAV
 WVZ

TABLE ASSIGN_LIST [Filename: assign_lst.dat] — List of callsigns associated with a specific application for assignment of license.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key	x	int			Pointer to: filing_key.MAIN
callsign		char(10)			
assign_list_id	—	numeric(18,0)			

TABLE ASSIGNMENT [Filename: assign.dat] — Tracks assignment of license and ownership.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
licensee_key		int		ID of licensee.	Pointer to: licensee_key.???
licensee_attention		vchar(80)	312:A3	Mailing address attention line.	
licensee_phone_num		char(25)	312:A2	Voice telephone number.	
licensee_fax_num		char(25)	312:A4	Fax telephone number.	
licensee_e_mail		vchar(40)		Licensee e-mail address.	
transferor_key		int		ID of "from" party (Assignor or Transferor)	
transferor_attention		vchar(80)	312:A11	Mailing address attention line.	
transferor_relationship		vchar(20)		Relationship to applicant.	
transferor_phone_num		char(25)		Voice telephone number.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
transferor_fax_num		char(25)		Fax telephone number.	
transferor_e_mail		vchar(40)		E-mail address of 'from' party.	
transferee_key		int		ID of "to" party (Assignee or Transferee).	
transferee_attention		vchar(80)	312:A16	Mailing address attention line.	
transferee_phone_num		char(25)		Voice telephone number.	
transferee_fax_num		char(25)		Fax telephone number.	
transferee_e_mail		vchar(40)		E-mail address of "to" party.	
num_stns		int	312:A9	Number of stations or authorizations being assigned or transferred.	
control_sw		char(1)	312:A20	Yes/No concerning control of "to" party by another entity.	Yes / No
licsigner_name		vchar(50)	312:A22	Name of person signing for licensee.	
licsigner_title		vchar(50)	312:A24	Title of licensee signer.	
licsigner_date		datetime[19]	312:A25	Date signed	
fromsigner_name		vchar(50)	312:A26	Name of person signing for "from" party.	
fromsigner_title		vchar(50)	312:A28	Title of "from" signor.	
fromsigner_date		datetime[19]	312:A29	Date signed.	
tosigner_name		vchar(50)	312:A30	Name of person signing for "to" party.	
tosigner_title		vchar(50)	312:A32	Title of "to" party signer.	
tosigner_date		datetime[19]	312:A33	Date signed.	
licsigner_signatory		varchar(50)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
formsigner_signatory		varchar(50)			
tosigner_signatory		varchar(50)			

TABLE AZIMUTH [Filename: azimuth.dat] — used with IHF & (IPF ?)

Field Name	Units	Field Type	Form / Box	Field Description	Notes
azimuth_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int			Pointer to: ANTENNA_FX.antenna_key
azimuth	degrees	float			

TABLE BLOCKED_HISTORY [Filename: blk_hist.dat] — Table that tracks information on when and why the files are blocked for reasons out side the Bureau's control. Also tracks when they are unblocked.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
blocked_history_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		int			Pointer to: filing_key.MAIN
date_blocked		datetime[19]		Date of blockage effective.	
blocked_reason_code		char(4)		Category of blockage.	Child: BLOCKED_REASON_CODE
blocked_reason		text		Description of blockage.	Entries in this field <u>may</u> contain newline and tab characters.
blocked_by		char(8)		Person initiating blockage.	
date_unblocked		datetime[19]		Date blockage removed.	
unblocked_by		char(8)		Person unblocking this filing.	

TABLE BLOCKED_REASON_CODE [Filename: blk_reas_code.dat] — This table lists all applions that are considered valid reasons for blocking application.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
blocked_reason_code		char(4)			Pointer to: BLOCKED_HISTORY
blocked_reason_description		vchar(255)			
inactive_date		datetime[19]			

TABLE CLASS_OF_STATION_CODE [Filename: class.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
class_of_station_code		char(3)			Pointer to: MAIN
description		vchar(40)			
inactive_date		datetime[19]			

TABLE CONDITION [Filename: cond.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
condition_code		int			<i>Pointer to:</i> FREQUENCY_CONDITIONS, SITE_CONDITIONS, ANTENNA_CONDITIONS, and LICENSEE_CONDITIONS
subsystem_code		char(3)			Pointer to: SUBSYSTEM_CODE
condition_text		text			Entries in this field <u>may</u> contain newline and tab characters.
condition_note		vchar(255)			

TABLE CONSTRAINTS [Filename: constr.dat] — “Note currently in use.”

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_lower		char(17)		The lower frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
frequency_upper		char(17)		The upper frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
routine_processing		char(1)			Yes / No
min_diameter	meters	float			
max_bandwidth		float			
max_eirp_den		float			
max_power		float			
emission_type		char(9)			
tr_flag		char(1)			Yes / No
internat_domestic		char(1)			Yes / No
analog_digital		char(1)			
nature_of_service		char(3)			
antenna_meets_std		char(1)			
citation		vchar(20)			
provision		smallint			

TABLE CONTACT [Filename: contact.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
contact_key	—	int		System generated key which uniquely identifies the CONTACT within the system	Pointer to: MAIN
contact_id	—	char(12)		ID of contact representative.	“Contact ID” Code
contact_name	—	vchar(80)	ARC: Box 2 312:9	Name of contact representative	“The Face”
title	—	vchar(40)	ARC: Box 2 312:9		ARC: Box 2 “Contact Title”
company_name	—	vchar(80)	ARC: Box 2 312:11	Company name of contact representative.	
street1	—	vchar(80)	ARC: Box 2 312:13	Mailing address - street #1.	
street2	—	vchar(80)	312:13	Mailing address - street #2	
city	—	vchar(40)	ARC: Box 2 312:14	Mailing address - city	
state_code	—	char(2)	ARC: Box 2 312:15	Mailing address - state	<i>Child:</i> STATE_CODE
zipcode	—	char(10)	ARC: Box 2 312:16	Mailing address - Zip Code	
country_code	—	char(3)	ARC: Box 2 312:15	Mailing address - country	<i>Child:</i> COUNTRY_CODE
frn	—	char(10)			

TABLE COUNTY [Filename: country.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
state_code		char(2)			Pointer to:
county		vchar(22)			
fips_code		char(3)			
canada_ind		char(1)			

TABLE COUNTRY_CODE [Filename: country_code.dat] — This table lists the countries of the world.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
country_code		char(3)		ITU 3-letter country code.	Pointer to: STATION
country_name		vchar(62)		Name of country or geographical area.	
blocked_sw		char(1)		Is action concerning this country blocked?	Yes / No
block_start_date		datetime[19]		Starting date of blockage.	
block_expired_date		datetime[19]		Ending date of blockage.	
block_authorized_by		vchar(20)		Blockage authorized by this person or entity.	
block_date		datetime[19]			
wto_member_sw		char(1)		Is this country a WTO member?	Yes / No
inactive_date		datetime[19]		Date that row in this table becomes inactive.	

TABLE DESTINATION [Filename: destina.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
destination_key		int		System generated key which uniquely identifies the DESTINATION within the system	[Index Key]
ptcomm_key		int			Pointer to: PTCOOMM and PTCOMM_FX
country_code		char(3)			Child: COUNTRY_CODE

TABLE DNIC [Filename: dnic.dat] — The Commission, as part of its ITU duties, is responsible for assigning Data Network Identification Codes. This table tracks the data specific to DNIC's.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
dnic_code		char(4)			
from_name		vchar(80)	DNIC:4 "From Company"		
to_name		vchar(80)	DNIC:4 "To Company"		
from_code		char(4)	DNIC:4 "From Code"		
to_code		char(4)	DNIC:4 "To Code"		
reason		vchar(50)	DNIC:4		
network_name		vchar(60)	DNIC:5		
deadline_date		datetime[19]			
type_request_sw		char(1)	DNIC:3		New / Reassign
reassignment_sw		char(1)	DNIC:8		Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
provisional_assignment_sw		char(1)	DNIC:9		Yes / No
authorization_sw		char(1)	DNIC:10		Yes / No
international_service		vchar(255)	DNIC:6		

TABLE EARTH_STATION_STA [Filename: earth_sta.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
type_sta_code		char(5)			
requested_date		datetime[19]			
city		vchar(40)			
state_code		char(2)			Child: STATE_CODE
lat_deg	degrees	tinyint			
lat_min	minutes	tinyint			
lat_sec	seconds	float			
lat_hemi		char(1)			N / S
long_deg	degrees	tinyint			
long_min	minutes	tinyint			
long_sec	seconds	float			
long_hemi		char(1)			E / W

TABLE FEE_TYPE [Filename: fee_type.dat] — Tracks fee type codes for application processing.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
fee_type_code		char(3)		System generated key uniquely identifying rows in this table.	<i>Child: ????</i>
filing_key		int			Pointer to: filing_key.MAIN

TABLE FILING_HISTORY [Filename: fil_hist.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
refer_filing_key		int			
original_filing_key		int			

TABLE FILENUM_XREF [Filename: filenum_xref.dat] — As part of IBFS development, the Bureau went to one standard file number format. This required a conversion of existing file numbers to the new format. This table tracks the old file number versus the new IBFS number.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
old_file_number		vchar(30)		Old style file number.	
filing_key		integer			Pointer to: filing_key.MAIN

TABLE FORM_312 [Filename: form_312.dat]
Form 312 Main, *Application for Satellite Space and Earth Station Authorizations*

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
filenum_refer		char(19)	312: (Class of Filing) 19b	The filenumber of the pending application. Only used for Amendments to pending applications.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filenum_date		datetime[19]	312: (Class of Filing) 19a	Date that pending application was filed.	
required_construction_date		datetime[19]		Construction of facilities must be completed by this date.	
completed_construction_date		datetime[19]		Actual construction completion date.	
blanket_callsign_sw		char(1)			Yes / No
common_carrier_sw		char(1)	312: (Type of Service) 21	Indicates whether or not applicant has status as a common carrier.	Yes / No
us_sat_sw		char(1)	312: (Type of Service) 22a	Indicates that facilities will access US licensed satellites.	Yes / No
non_us_sat_sw		char(1)	312: (Type of Service) 22b	Indicates that facilities will access non-US licensed satellites.	Yes / No
type_of_facility		char(2)	312: (Type of Station) 26	Indicates that earth station transmits and receives, receives only, or transmits only.	RO = Receive only TO = Transmit only TR = Transmit / Receive
environ_effect_sw		char(1)	312: (Envir Policy) 28	Indicates whether or not significant environmental impact will result from facilities.	Yes / No response to NEPA and RF Hazard question. (M ??)
foreign_govt_rep_sw		char(1)	312: (Alien Ownership) 29	Is applicant a foreign government?	Yes / No
alien_applicant_sw		char(1)	312: (Alien Ownership) 30	Is applicant an alien?	Yes / No
foreign_corp_sw		char(1)	312: (Alien Ownership) 31	Is applicant a foreign corporation?	Yes / No
alien_officer_sw		char(1)	312: (Alien Ownership) 32	Is applicant a corporation with foreign officers.	Yes / No
foreign_control_sw		char(1)	312: (Alien Ownership) 33	Is applicant a corporation subject to foreign controls?	Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
waivers_req_sw		char(1)	312: (Basic Qual) 35	Are waivers required?	Yes / No
revoked_sw		char(1)	312: (Basic Qual) 36	Has applicant had FCC licensed revoked?	Yes / No
felony_sw		char(1)	312: (Basic Qual) 37	Has applicant been convicted of a felony?	Yes / No
monopoly_sw		char(1)	312: (Basic Qual) 38	Has applicant been judged of unlawfully monopolizing communications?	Yes / No
public_switched_sw		char(1)	312: (Type of Service) 23	Are facilities connected to public switched networks?	Yes / No
pend_action_sw		char(1)	312: (Basic Qual) 39	Is the applicant a party to pending matter (felony or unlawfully monopolizing communications)?	Yes / No
drug_abuse_sw		char(1)	312: (Basic Qual) 41	Certification that applicant has not lost federal benefits due to conviction under Anti-Drug Act of 1988.	Yes / No
nature_of_service_other_text		vchar(40)	312: (Type of Service) 20g	Description of "other" nature of services.	
sat_common_name		vchar(20)		Common name of satellite (SAT only).	
orbit_location	degrees	char(10)		Orbit location of satellite (SAT only).	
non_us_lic_sat_sw		char(1)	312: (Basic Qual) 42a	Will applicant use non-US licensed satellites to provide service in the US?	Yes / No
administration		vchar(80)	312: (Basic Qual) 42b	Name of country who licensed the non-US licensed satellites.	
operation_start_date		datetime			
orbit_location_assigned		char(10)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
date_launched		datetime			
callsign_replaced		char(10)			
long_hemi		char(1)			
long_hemi_assigned		char(1)			
class_of_sat_station		char(10)			
form_312_ez_sw	—	char(1)			
foreign_dir_indir_control_sw	—	char(1)			
fixed_earth_station_sw	—	char(1)			
rad_haz_included_sw	—	char(1)			
denial_of_benefits_sw	—	char(1)			

TABLE FORM_325C [Filename: form_325c.dat] — NOTE: Form 308 (application for a permit to deliver programs to foreign broadcast stations) is used to capture the information required by Section 325C of the Comm Act.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
studio_description		vchar(255)	308:13		
studio_city		vchar(20)	308:13		
studio_state		char(2)	308:13		
studio_zipcode		char(10)	308:13		
delivery_means		vchar(80)	308:15		
citizen_sw		char(1)	308:5		Yes / No
partners_citizens_sw		char(1)	308:6		Yes / No
corp_state_code		char(2)	308:7(a)		Child: STATE_CODE

Field Name	Units	Field Type	Form / Box	Field Description	Notes
alien_ownership_sw		char(1)	308:7(b)		Yes / No
alien_control_sw		char(1)			Yes / No
alien_officer_5c_sw		char(1)	308:7(c)		Yes / No
alien_officer_5f_sw		char(1)			Yes / No
corporate_control_sw		char(1)	308:7(d)		Yes / No
subsidiary_sw		char(1)			Yes / No
association_no_members		integer	308:8(a)		
association_no_alien_members		integer	308:8(a)		
principal_bussiness		vchar(50)	308:9(a)		
am_fm_tv_interest_sw		char(1)	308:9(b)		Yes / No
foreign_rep_sw		char(1)	308:10		Yes / No
revoked_sw		char(1)	308:11(a)		Yes / No
denied_sw		char(1)	308:11(b)		Yes / No
felony_sw		char(1)	308:12(a)		Yes / No
monopoly_sw		char(1)	308:12(b)		Yes / No

TABLE FORM_325C_STA [Filename: form_325c_sta.dat] — STA request for Section 325C request for a permit to deliver programs to foreign broadcast stations.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: MAIN.filing_key
type_sta_code		char(5)			
requested_date		datetime[19]			

TABLE FORM_405 [Filename: form_405.dat] — FCC Form 405, *Application for Renewal of Radio Station License in Specific Services*

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: MAIN.filing_key
rulepart_code		char(2)	405:3		
filenum_refer		char(19)	405:5(a)		
callsign_refer		char(10)	405:5(c)		
removal_of_equipment_sw		char(1)	405:7(a)		<u>Y</u> es / <u>N</u> o
removal_of_equipment_date		datetime[19]	405:7(a)		
ownership_interest_sw		char(1)	405:7(b)		<u>Y</u> es / <u>N</u> o
environmental_impact_sw		char(1)	405:9		<u>Y</u> es / <u>N</u> o response to NEPA and RF Hazard question.
drug_abuse_sw		char(1)	405:10		<u>Y</u> es / <u>N</u> o

TABLE FREQ_COORD [Filename: freq_coord.dat] – SES
Form 312 - Schedule B (Technical and Operational Description), “Frequency Coordination” screen

Field Name	Units	Field Type	Form / Box	Field Description	Notes
coord_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int		System generated key uniquely identifying rows in this table.	Pointer to: ANTENNA.antenna_key.
azimuth_east	degrees	float	312:B (Freq Coord) “ES Azi Ang Eastern Limit”	Azimuth angle in degrees relative to true north of the antenna’s main lobe of radiation associated with the eastern satellite orbit arc limit over which this earth station has been coordinated with terrestrial facilities that share the same frequency band.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
azimuth_west	degrees	float	312:B (Freq Coord) "ES Azi Ang Western Limit"	Azimuth angle in degrees relative to true north of the antenna's main lobe of radiation associated with the western satellite orbit arc limit over which this earth station has been coordinated with terrestrial facilities that share the same frequency band.	
elevation_east	degrees		312:B (Freq Coord) "Ant Elev Ang Eastern Limit"	The elevation angle in degrees of the antenna's main lobe of radiation associated with the eastern satellite orbit arc limit over which this earth station has been coordinated with terrestrial facilities that share the same frequency band.	
elevation_west	degrees		312:B (Freq Coord) "Ant Elev Ang Western Limit"	The elevation angle in degrees of the antenna's main lobe of radiation associated with the western satellite orbit arc limit over which this earth station has been coordinated with terrestrial facilities that share the same frequency band.	
freq_limit_low	MHz		312:B (Freq Coord) "Lower Freq Limit"	The lower frequency limit in MHz over which the station has been frequency coordinated with terrestrial facilities that share the frequency band.	
freq_limit_high	MHz		312:B (Freq Coord) "Upper Freq Limit"	The upper frequency limit in MHz over which the station has been frequency coordinated with terrestrial facilities that share the frequency band.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
horiz_max_density	dBw/4kHz		312:B (Freq Coord) "Max EIRP Density toward the Hor"	The maximum transmitter power density transmitted toward the horizon expressed in dBw/4kHz for the band identified in freq_limit_low and freq_limit_high columns. This value is relevant only for transmitting bands such as 6 and 14 GHz.	
sat_arc_east	degrees		312:B (Freq Coord) "Range of Sat Arc Eastern Limit"	The eastern limit of satellite orbit arc, to the tenth of a degree, over which the earth station has been coordinated to operate in the designated frequency band.	
sat_arc_west	degrees		312:B (Freq Coord)"Range of Sat Arc Western Limit"	The western limit of satellite orbit arc, to the tenth of a degree, over which the earth station has been coordinated to operate in the designated frequency band.	
sat_hemi_east			312:B6 (Freq Coord) "Range of Sat Arc Eastern Limit"	East or West hemisphere indicator for the eastern satellite orbital arc limit.	
sat_hemi_west			312:B (Freq Coord)"Range of Sat Arc Western Limit"	East or West hemisphere indicator for the western satellite orbital arc limit.	
sat_orbit_type			312:B (Freq Coord) "Sat Orbit Type"	Type of orbit indicator. (G) for geostationary, or (N) for non-geostationary.	
trans_mode	—	char(1)			

TABLE FREQUENCY [Filename: freq.dat]

Form 312 - Schedule B (Technical and Operational Description), "Frequency" Screen

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int		System generated key uniquely identifying rows in this table.	Pointer to: ANTENNA.antenna_key
polarization_code		char(3)	312:B (Frequency) "Polarization"	Code of polarization type authorized for the associated frequency range and emission.	Child: POLARIZATION_CODE A = Linear and Circular C = Left and Right Circular H = Horizontal L = Left Hand Circular OTH = Other R = Right Hand Circular V = Vertical Z = Horizontal and Vertical
eirp	dBw	float	312:B (Frequency) "Max EIRP per Carrier"	The maximum effective isotropically radiated power authorized for the associated emission and frequency value/range, expressed in dBW.	
eirp_density	dBw/4kHz.	float	312:B (Frequency) "Max Density per Carrier"	The maximum effective isotropically radiated power over the worst 4 kHz for the associated emission and frequency value/range, expressed in dBw/4kHz.	
emission		char(9)	312:B (Frequency) "Emission Designator"	The emission designator or descriptor for the carrier being transmitted or received. ITU format.	
frequency_lower	MHz	char(17)	312:B (Frequency) "freq lower"	The lower frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_upper	MHz	char(17)	312:B (Frequency) “freq upper”	The upper frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
trans_mode		char(1)	312:B (Frequency) “T/R Mode”	Indicates the transmission mode.	(T)ransmit or (R)eceive
modulation		vchar(60)	312:B (Frequency) “Modulation”	Textual description of the modulation and services for the frequency/emission.	
frequency_lower_display		char(17)			
frequency_upper_display		char(17)			
unit_of_measure	—	char(1)			

TABLE FREQUENCY_BAND [Fileame: **frequency_band.dat**]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
freq_id	—	numeric(18,0)			
frequency_lower	MHz	char(17)			
frequency_upper	MHz	char(17)			
band_name	—	varchar(40)			
downlink_frequency_lower	MHz	char(17)			
downlink_frequency_upper	MHz	char(17)			
uplink_frequency_lower	MHz	char(17)			
uplink_frequency_upper	MHz	char(17)			
rule_citing	—	varchar(255)			

TABLE FREQUENCY_CONDITION [Filename: freq_cond.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
condition_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
frequency_key		int			Pointer to: frequency_key.FREQUENCY and frequency_key.FREQUENCY_FX
condition_code		float			Pointer to: condition_key.CONDITION

TABLE FREQUENCY_FX [Filename: freq_fx.dat] – IPF (& IHF ?)

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_key		int			[Index Key]
site_key		int	Site		Pointer to: site_key.SITE
polarization_code		char(3)		Code of polarization type authorized for the associated frequency range and emission.	Child: POLARIZATION_CODE A = Linear and Circular C = Left and Right Circular H = Horizontal L = Left Hand Circular OTH = Other R = Right Hand Circular V = Vertical Z = Horizontal and Vertical
eirp	dBw	float		The maximum effective isotropically radiated power authorized for the associated emission and frequency value/range, expressed in dBw.	
emission		char(9)		The emission designator or descriptor for the carrier being transmitted or received. ITU format.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_lower	MHz	char(17)		The lower frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
frequency_upper	MHz	char(17)		The upper frequency range limit or the single carrier frequency authorized for the associated emission and EIRP. MHz	
trans_mode		char(1)		Indicates the transmission mode.	(T)ransmit or (R)eceive

TABLE FREQUENCY_SAT [Filename: frequency_sat.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
frequency_key		int			
filing_key		int			
frequency_lower	MHz	char(17)			
frequency_upper	MHz	char(17)			
trans_mode		char(1)			

TABLE FX [Filename: fx.dat] — Certifications specific to IHF and IPF radio services.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
filenum_refer		char(19)			
filenum_refer_date		datetime[19]			
irac_status		char(10)			
tower_status		char(10)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
cp_expires_date		datetime[19]			
proximity_sw		char(1)			Yes / No
nepa_major_action_sw		char(1)			Yes / No
radiation_hazard_report_sw		char(1)			Yes / No
citizen_sw		char(1)			Yes / No
partners_citizens_sw		char(1)			Yes / No
corp_state_code		char(2)			Child: STATE_CODE
alien_ownership_sw		char(1)			Yes / No
alien_control_sw		char(1)			Yes / No
alien_officer_4c_sw		char(1)			Yes / No
alien_officer_4f_sw		char(1)			Yes / No
corporate_control_sw		char(1)			Yes / No
subsidiary_sw		char(1)			Yes / No
association_no_members		integer			
association_no_alien_members		integer			
principal_bussiness		vchar(50)			
am_fm_tv_interest_sw		char(1)			Yes / No
foreign_rep_sw		char(1)			Yes / No
revoked_sw		char(1)			Yes / No
denied_sw		char(1)			Yes / No
felony_sw		char(1)			Yes / No
monopoly_sw		char(1)			Yes / No
assets_sw		char(1)			Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
capital_assurance_sw		char(1)			Yes / No

TABLE INTL_ALOC_FREQUENCY [Filename: intl_aloc_frequency.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
id		numeric(18,0)			
frequency_lower	MHz	char(17)			
frequency_upper	MHz	char(17)			

TABLE ISPC [Filename: ispc.dat] — The FCC is the US administrator of signaling area network codes allocated by the ITU, and issues International Signaling Point Codes (ISPC) . This table tracks the related information.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
ispc_code		char(7)		FCC generated	
network_city		vchar(20)	ISPC:3 (City)		
network_state		char(2)	308:3 (State)		
deadline_date		datetime[19]			
implementation_date		datetime[19]			
assign_date		datetime[19]			
reassignment_sw		char(1)	308:4		Yes / No
provisional_assignment_sw		char(1)	308:5		Yes / No
itc_file_number		char(19)			
non_itc_explanation		varchar(255)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
reporting_requirement		char(1)			

TABLE KEYWORD [Filename: keyword.dat] — Keywords, a short description that identify a category of station or service.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
subsystem_code		char(3)		IBFS subsystem to which this keyword belongs.	Child: SUBSYSTEM_CODE
keyword		char(8)		Keyword value	Pointer to: MAIN
description		vchar(60)		Description of this keyword category.	

TABLE LICENSE_CONDITION [Filename: lic_cond.dat] — General conditions at the license or authorization level.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
condition_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		int			Pointer to: filing_key.MAIN
condition_code		int			Pointer to: condition_key.CONDITION

TABLE LICENSEE_HISTORY [Filename: licensee_history.dat] — This table tracks the ownership history of an authorization. Rows are inserted into the LICENSEE_HISTORY table at the time an Assignment of License filings is consummate

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key MAIN
assign_filing_key		int			Pointer to: filing_key ASSIGNMENT
licensee_key		int			Pointer to address_key ADDRESS
licensee_attention		varchar(80)			Copied from MAIN.address_attention
licensee_phone_num		char(25)			Copied from MAIN.address_phone_num
licensee_fax_num		char(25)			Copied from MAIN.address_fax_num
licensee_e_mail		varchar(40)			Copied from MAIN.address_e_mail

TABLE MAIN [filename: main.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int		System generated key uniquely identifying rows in this table.	[Index Key] The key for old data (CES) is a very large negative number.
filing_state		tinyint		The filing state indicates whether the filing is pending, the current authorization of the station, or an former superceded license.	0 = Pending 1 = Current Licensed 2 = Closed (“archived records”) 3 = Internet Filing via “Long Form”. When accepted becomes “0”. 4 = Internet Filing via “E-Z Form”. When accepted becomes “0”.
callsign		char(10)	312: (Class of Filing) 18	Call Sign of the facility.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
file_number		char(19)		A unique identifier for the filing.	Format: Subsystem Code (3) + Application Type (3) + Mellon Bank date (yyyymmdd) + Sequence Num (5 digits)
subsystem_code		char(3)	312:17a1 -> a2	Indicates which IB subsystem the filing belongs to. For example, earth station, space station, Section 214 Authority, etc.	<i>Child Table:</i> SUBSYSTEM_CODE For example: SES = Satellite earth station, SAT = Satellite space station, IHF = International HF broadcasting IPF = International public fixed, etc. SUR = Surrendered plus other service codes
status_code		char(5)		The code that identifies the stage to which an application has been processed.	<i>Child Table:</i> STATUS_CODE
status_date		datetime[19]		Date on which the application was placed on its current status	“Oct 21 1994 12:00AM”
last_action		char(3)		The last action taken on the filing.	<i>Child:</i> ACTION_CODE CON = Consummated D/A = Dismissed at Applicant's Request D/G = Granted in Part / Denied in Part DDA = Dismissed by Delegated Authority DEN = Denied DFD = Denied in Part / Deferred in Part DFG = Granted in Part/ Deferred in Part DIS = Dismissed by Commission Order GRA = Grant of Authority SUR = Surrender of Authorization
last_action_date		datetime[19]		Date on which the last action was taken on the filing.	“Oct 21 1994 12:00AM”
mts_number		int			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
date_filed		datetime[19]		Date the filing or application was received either by Mellon Bank or by the FCC directly	"Oct 21 1994 12:00AM"
mellon_date		datetime[19]		Date when the fee payment was received by Mellon Bank, the FCC's application fee collection agent.	"Oct 21 1994 12:00AM"
date_grant		datetime[19]		Date on which the license/permit, etc. was authorized	"Oct 21 1994 12:00AM"
date_deny		datetime[19]		Date on which the application was denied.	"Oct 21 1994 12:00AM"
date_dismiss		datetime[19]		Date on which the application was dismissed.	"Oct 21 1994 12:00AM"
date_surrender		datetime[19]		Date on which the license or other previously granted authorization was returned to the FCC for surrender. Licenses that are no longer needed by the licensee are "surrendered".	"Oct 21 1994 12:00AM"
date_begin		datetime[19]		Date on which an authorization or the grant of a license becomes effective. The beginning license term date.	"Oct 21 1994 12:00AM"
date_expire		datetime[19]		Date of expiration of the license/permit, etc. The ending license term date.	"Oct 21 1994 12:00AM"
date_last_update		datetime[19]		System maintained value updated every time that the filing record is updated or changed.	"Oct 21 1994 12:00AM"
aff_pub_notice_sw		char(1)		Indicates whether the filing was put on the "accepted for filing public" notice.	Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
aff_pub_notice_date		datetime[19]		Date of the "accepted for filing" public notice which includes this filing.	"Oct 21 1994 12:00AM"
act_pub_notice_sw		char(1)		Indicates whether the filing was put on the "action taken" public notice.	Yes / No
act_pub_notice_date		datetime[19]		Date of the "action taken" public notice which includes this filing.	"Oct 21 1994 12:00AM"
submission_id		char(12)		A unique identifier that is used to track Internet filings. This id will be assigned only to Internet filings.	
fee_control_number		vchar(20)		A fee control number used for tracking fee payment with the FCC's Collections database.	
app_type_code		char(3)	312: (Class of Filing) 17b1 -> b9	Type of application code	Child: APP_TYPE_CODE For example: LIC = License MOD = Modification REG = Registration (RO) RWL = Renewal STA = Special Temporary Authority
filing_other_text		vchar(40)	312: (Class of Filing) 17b10	Type of application when "OTHER" app_type_code was indicated.	
keyword1		char(6)		Keywords define a flexible grouping of applications.	Child: KEYWORD
keyword2		char(6)		Keywords define a flexible grouping of applications.	Child: KEYWORD
tower_cleared_sw		char(1)	312: (?) "FAA Notification"	Indicates that all antennas for the filing cleared tower requirements.	Yes / No FAA coordination under Part 17 of FCC Rules.
date_blocked		datetime[19]		Date that processing of this application was blocked.	"Oct 21 1994 12:00AM"

Field Name	Units	Field Type	Form / Box	Field Description	Notes
blocked_reason_code		char(4)		The reason (code word) that the processing of the subject application can not proceed.	Child: BLOCKED_REASON_CODE
blocked_reason		text		The description of the reason that the processing of the subject application can not proceed.	Entries in this field <u>may</u> contain newline and tab characters.
type_applicant_code		char(3)	312: (Certification) 44a -> 44e	The type of applicant, i.e. individual, partnership, corporation, etc.	<i>Child:</i> TYPE_APPLICANT_CODE For example: COR = Corporation GOV = Governmental Entity IND = Individual OTH = Other PAR = Partnership UNA = Unincorporated Association
applicant_other_text		vchar(40)	312: (Certification) 44f	If “type_applicant_code” = “OTHER”, text describing the type of applicant.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
class_of_station_code		char(3)	312: (Type of Station) 25a - >25 e	The Class of Station, i.e. fixed earth station, VSAT network, mobile earth station, space station, fixed station, etc.	<i>Child:</i> CLASS_OF_STATION_CODE For example: BES = Blanket Earth Stations FES = Fixed Earth Stations HBT = VSAT Temporary Fixed Hub Station HUB = VSAT Fixed Hub Station IHF = International HF Broadcast Station MES = Mobile Earth Station OTH = Other PTF = Point-to-Point Telephone/Telegraph PTM = Point-to-Point Microwave SSG = Space Station Geostationary SSN = Space Station Non-Geostationary TEL = Point-to-Point Telephone TFE = Temporary Fixed Earth Station TGF = Point-to-Point Telegraph VST = VSAT Network
class_other_text		vchar(40)	312: (Type of Station) 25f	If "class_of_station_code" = "OTHER", text describing the class of station.	
signer_name		vchar(50)	312: (Certification) 45	Name of the person signing the application.	
signer_title		vchar(50)	312: (Certification) 46	Title of the person signing the application.	
date_signed		datetime[19]	312:48	Date the application was signed.	"Oct 21 1994 12:00AM"
description		text	312: (Basic Qualifications) 43	A textual description that summarizes the nature of the application and the services to be provided.	Entries in this field <u>may</u> contain newline and tab characters.
address_key	x	int		The numeric key that identifies the applicant in the ADDRESS table.	Child: ADDRESS

Field Name	Units	Field Type	Form / Box	Field Description	Notes
address_attention		vchar(80)	312: (App Info) 5	The ATTENTION line of the applicant's mailing address.	
address_phone_num		char(25)	312: (App Info) 2	The applicant's telephone number.	
address_fax_num		char(25)	312: (App Info) 4	The applicant's fax telephone number.	
address_e_mail		vchar(40)	312: (App Info)	The applicant's e-mail address.	
contact_key		int		The numeric key that identifies the applicant's contact representative in the CONTACT table.	Child: CONTACT
contact_attention		vchar(80)	312: (App Info) 9	The ATTENTION line of the contact's mailing address.	
contact_relationship		vchar(20)		The relationship of the contact to the applicant.	
contact_phone_num		char(25)	312: (App Info) 10	The contact's telephone number.	
contact_fax_num		char(25)	312: (App Info) 12	The contact's fax telephone number.	
contact_e_mail		vchar(40)		The contact's e-mail address.	
other_purpose_text		vchar(40)	312: (Purpose of Mod) 27k	Text of the "other" purpose of modification when the application is a modification of an existing authorization.	
streamlined-sw		char(1)			
date_transferred		char(8)		datetime	
confidential		char(1)			"0" or Null = NO "1" = Yes
date_queued	—	datetime			
date_withdrew		datetime			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
queue_flag		char(1)			
filing_id		char(12)			
date_created		datetime			
initiator_id		char(30)			
public_pn_note_key		int			
fee_exempt_sw		char(1)			
fee_exempt_reason		varchar(255)			
remittance_id		int			
next_step		varchar(40)			
released_by		char(1)			
date_released		datetime			
date_adopted		datetime			
order_da_number		char(12)			

TABLE NATURE_OF_SERVICE [Filename: nat_serv.dat] — Shows the nature of service on space and earth station application.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
nature_of_service_code		char(4)	312: (Type of Service) 20a -> 20g	Nature of Service (radio service).	<i>Child:</i> NATURE_OF_SERVICE_CODE

TABLE NATURE_OF_SERVICE_CODE [Filename: nat_serv_code.dat] — Defines various nature of service codes.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
nature_of_service_code		char(4)			Pointer to: NATURE_OF_SERVICE
description		vchar(50)			
inactive_date		datetime[19]			

TABLE NOTE [Filename: note.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
note_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		int			Pointer to: filing_key.MAIN
note_type_code		char(3)		Type of note	Child: NOTE_TYPE_CODE
aff_pub_notice_sw		char(1)		Switch indicating that note goes on the “Action For Filing” public notice.	Yes / No
act_pub_notice_sw		char(1)		Switch indicating that note goes on the “Action Taken” public notice.	Yes / No
date_created		datetime[19]		Date note was created.	
user_id		char(8)		Person who created note.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
note_text		text		Text of the note.	Entries in this field <u>may</u> contain newline and tab characters.

TABLE NOTE_TYPE_CODE [Filename: note_type_code.dat] — Defines the allowable note type codes.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
note_type_code		char(3)		Code name for note type	Pointer to: NOTE
description		vchar(40)		Short description of note type.	
verbose		vchar(255)		Long description of note type.	
inactive_date		datetime[19]		Date that row becomes inactive.	

TABLE PETITION_TO_DENY [Filename: petit_deny.dat]

Field Name	Units	Field Type		Field Description	Notes
petition_key		int		System generated key uniquely identify rows in this table.	[Index Key]
filing_key		int			Pointer to: filing_key.MAIN
date_filed		datetime[19]		Date petition filed.	
filed_by		vchar(80)		Name of person or entity filing petition.	
description		vchar(255)		Description of petition.	

TABLE PAINT_LIGHT [Filename: pls.dat] — Used to hold data for FAA painting and lighting specifications.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
paint_light_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
antenna_key		int			Pointer to: ANTENNA.antenna_key and ANTENNA_FX.antenna_key
paint_light		char(4)			

TABLE POLARIZATION_CODE [Filename: polar.dat] — Defines polarization types.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
polarization_code		char(3)			Pointer to: FREQUENCY and FREQUENCY_FX
polarization_type		vchar(28)			
inactive_date		datetime[19]			

TABLE PTCOMM [Filename: ptcomm.dat] — Points of communications (satellite service)

Field Name	Units	Field Type	Form / Box	Field Description	Notes
ptcomm_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
site_key					Pointer to: SITE.site_key
space_station_key		int			Child: SPACE_STATION_KEY

TABLE PTCOMM_FX [Filename: ptcomm_fx.dat] — Terrestrial points of communications (fixed service)

Field Name	Units	Field Type	Form / Box	Field Description	Notes
ptcomm_key		int		System generated key uniquely identifying rows in this table.	[Index Key]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
site_key		int	Site		Pointer to: SITE.site_key
location		vchar(255)			
distance	km / miles ?	float			

TABLE PURPOSE [Filename: purpose.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
purpose_code		vchar(40)	312: (Purpose of Mod) 27a -> 27j	Purpose of modification or amendment.	A - Add new emission designator B - Change emission designator C - Increase EIRP and EIRP density D - Replace antenna E - Add antenna F - Relocate fixed station G - Change assigned frequency(ies) H - Add points of communication (sat & countries) I - Change points of communication (sat & countries) J - NEPA and RF hazard reporting required. K - Other, specify Valid values are contained in PURPOSE_CODE

TABLE PURPOSE_CODE [Filename: purpose_code.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
purpose_code		vchar(40)			

TABLE REMOTE_CONTROL [Filename: rem_contrl.dat] — Information on remote control of facility.

Field Name	Units	Field Type		Field Description	Notes
remote_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
site_key		int			Pointer to: site_key.SITE
callsign		char(10)	312:B10g		
city		vchar(20)	312:B10b		
county		char(15)	312:B10c		
country_code		char(3)	312:B10d		<i>Child:</i> COUNTRY_CODE
state_code		char(2)	312:B10d		<i>Child:</i> STATE_CODE
street1		vchar(80)	312:B10a		
street2		vchar(80)	312:B10a		
telephone		char(25)	312:B10f		
zip_code		char(10)	312:B10e		

TABLE ROA [Filename: roa.dat] — Tracks request for Recognized Operation Agency status.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
incorporation_location		vchar(60)	ROA:5		
country_code		char(3)	ROA:4		<i>Child:</i> COUNTRY_CODE
streamlined_sw		char(1)			Yes / No
alien_applicant_sw		char(1)	ROA:13		Yes / No
mult_alien_applicant_sw		char(1)	ROA:14		Yes / No
drug_abuse_sw		char(1)	ROA:15		Yes / No

Field Name	Units	Field Type	Form / Box	Field Description	Notes
common_carrier_sw		char(1)	ROA:9		Yes / No
harmful_interference_sw		char(1)	ROA:11		Yes / No
enhanced_service_sw		char(1)	ROA:8		Yes / No
article_6_sw		char(1)	ROA:12		Yes / No
required_attachments_sw		char(1)	ROA:10		Yes / No

TABLE Section_214 [Filename: sect_214.dat] — Application for Section 214 Authority. Section 214 of the Communications Act requires common carriers to obtain certificates of public convenience and necessity before constructing and operating lines. This section also covers the sale or transfer of control of common carriers.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
da_number		char(10)			
filing_key		int			
da_number		char(10)			
place_of_incorp		varchar(100)			
destination		varchar(255)			
streamlined_request_sw		char(1)			
streamlined_sw		char(1)			
alien_applicant_sw		char(1)			
mult_alien_applicant_sw		char(1)			
drug_abuse_sw		char(1)			
special_concessions_sw		char(1)			
common_carrier_sw		char(1)			
ten_greater_fo		char(1)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
interlocking_directorates		char(1)			
foreign_carrier_country		char(1)			
non_dominant		char(1)			
dominant_carrier_safeguards_s w		char(1)			
cosumate_cert		char(1)			
pro_forma_cert		char(1)			
scheduled_consumate_date		datetime			
good_faith_cert		char(1)			
date_boc_initiated		datetime			
date_boc_filed		datetime			
cite_granting_271		varchar(20)			
date_271_granted		datetime			
false_field		datetime			
boc_state_code		char(2)			
traffic_reporting		char(1)			

TABLE SECTION_214_SERVICE_CODE [Filename: sect_214_code.dat] — Defines service codes for Section 214 Authority.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
section_214_service_code		char(4)			
description		vchar(60)			
inactive_date		datetime[19]			

TABLE SECTION_214_STA [Filename: sect_214_sta.dat] — Information on requests for Special Temporary Authority (STA) for 214 Authority.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
type_sta_code		char(5)			
requested_date		datetime[19]			

TABLE SITE [filename: site.dat]
Form 312 - Schedule B (Technical and Operational Description) – “Site Information”

Field Name	Units	Field Type	Form / Box	Field Description	Notes
site_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		int			Pointer to: filing_key.MAIN
site_id		vchar(20)		The ID given to the site by the applicant.	Applicant/licensee defined.
site_description		vchar(255)			
contact_person		vchar(40)	312:B (Site) “Contact Name”		
site_street1		vchar(40)	312:B (Site) “Street”	The street address of the earth station.	
site_street2		vchar(40)		The street address of the earth station.	
site_city		vchar(20)	312:B (Site) “City”	The city in which the earth station is located.	
site_county		char(22)	312:B (Site) “County”	The county in which the earth station is located.	
site_state		char(2)	312:B (Site) “State”	The state code for the state in which the earth station is located.	Child: SITE_STATE

Field Name	Units	Field Type	Form / Box	Field Description	Notes
site_zipcode		char(10)	312:B (Site) "Zipcode"	The zipcode for earth station.	
site_telephone		char(25)	312:B (Site) "Phone Number"	The telephone number for the earth station.	
site_elevation	meters (AMSL)	float	312:B (Site) "Site Elevation"	The ground level of the site, rounded off to the nearest tenth of a meter, upon which the antenna will be constructed, above mean sea level.	Letter "a" of the antenna structure figure.
lat_deg	degrees	tinyint	312:B (Site) "Latitude"	Degrees part of geographic latitude of the station location, expressed in degrees.	
lat_min	minutes	tinyint	312:B (Site)	Minutes part of geographic latitude of the station location, expressed in minutes.	
lat_sec	seconds	float	312:B (Site)	Seconds part of geographic latitude of the station location, expressed in seconds.	
lat_hemi		char(1)	312:B (Site)	The hemisphere indicator for the geographic latitude of the station location. (N)orth, (S)outh.	N / S
long_deg	degrees	tinyint	312:B (Site) "Longitude"	Degrees part of geographic longitude of the station location, expressed in degrees.	
long_min	minutes	tinyint	312:B (Site)	Minutes part of geographic longitude of the station location, expressed in minutes.	
long_sec	seconds	float	312:B (Site)	Seconds part of geographic longitude of the station location, expressed in seconds.	

Field Name	Units	Field Type	Form / Box	Field Description	Notes
long_hemi		char(1)	312:B (Site)	The hemisphere indicator for the geographic longitude of the station location. (E)ast, (W)est.	E / W
nad_ind		char(2)	312:B (Site) "Coordinates are"	Indicates whether the site coordinates are based on NAD 27 or NAD 83.	Values: "27" and "83"
num_vsats_built		int			
vsat_report_date		datetime[19]			
faa_coord_sw		char(1)			Yes / No
comply_25209a_sw		char(1)		§25.209 (a) and (b)	Yes / No
comply_25209a2_sw		char(1)		§25.209 (a2) and (b)	Yes / No
remote_control_sw		char(1)	312:B (Site) "remote control"	Indicates if the earth station will be controlled from a remote site.	Yes / No
foreign_freq_coord_req_sw		char(1)	312:B (Site) "foreign freq coordination"	Indicates whether frequency coordination with another country is required for the site. Form 312, Schedule B, Question B11.	Yes / No
freq_coord_req_sw		char(1)	312:B (Site) "freq coordination"	Indicates whether frequency coordination for the site is required. Form 312, Schedule B, Question B11.	Yes / No
area_of_operation_code	—	char(2)			
faa_coord_not_req_sw	—	char(1)			
comply_25211_sw	—	char(1)			

TABLE SITE_CONDITION [Filename: site_cond.dat] — Shows conditions imposed at the site level for radio facilities.

Field Name	Units	Field Type	Form / Box	length	Field Description	Notes
condition_key		int			System generated key uniquely identifying rows in this table.	[Index Key]
condition_code		int				Pointer to: condition_key.CONDITION
site_key		int	Site			Pointer to: site_key.SITE

TABLE SPACE_STATION [Filename: space_sta.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
space_station_key		int			Pointer to: PTCOMM
us_name		vchar(20)	312:B3		
itu_name		vchar(20)			
orbit_location		char(10)	312:B2		longitude value / latitude = 0
verbose		vchar(255)	312:B2		
inactive_date		datetime[19]			
long_hemi	—	char(1)			

TABLE SPACE_STATION_STA [Filename: space_sta_sta.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
type_sta_code		char(5)			OTHER = ? EXTND = ? CHLOC = ? CHEXD = ? 22 = ? 'null'

Field Name	Units	Field Type	Form / Box	Field Description	Notes
requested_date		datetime[19]			
requested_location		vchar(40)			Latitude / Hemisphere

TABLE STATUS_TRACKING [Filename: stat_track.dat]

Field Name	Units	Field Type	Form / Box	Field Description	Notes
filing_key		int			Pointer to: filing_key.MAIN
status_code		char(5)		Status of filing.	<i>Child:</i> STATUS_CODE
status_date		datetime[19]		Date of status.	
action_code		char(3)		Action taken on filing.	<i>Child:</i> ACTION_CODE

TABLE STATE [Filename: state.dat] — List all US states and abbreviations.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
state_code		char(2)			Pointer to: several
state_name		char(14)			

TABLE STATION [Filename: station.dat] — Section 325C station information.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
station_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
filing_key		int			Pointer to: MAIN.filing_key
station_callsign		char(10)			
station_broadcast_type		char(2)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
station_frequency		char(17)			
station_channel		vchar(20)			
station_city		vchar(20)			
country_code		char(3)			<i>Child: COUNTRY_CODE</i>

TABLE STATUS_CODE [Filename: status_code.dat] — Defines types of status available in system

Field Name	Units	Field Type	Form / Box	Field Description	Notes
status_code		char(5)			Pointer to: MAIN and STATUS_TRACKING
status_text		vchar(40)			
internal_sw		char(1)			Yes / No
inactive_date		datetime[19]			

TABLE SUBSYSTEM_CODE [Filename: subsys_code.dat] — Defines the 13 subsystems of application types for IBFS.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
subsystem_code		char(3)			<i>Pointer to: MAIN</i>
description		vchar(40)			
inactive_date		datetime[19]			
division_code	—	varchar(5)			

TABLE SUBSYSTEM_REPORT [Filename: subsys_rpt.dat] — Controls reports by subsystem.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
report_id		char(12)			

Field Name	Units	Field Type	Form / Box	Field Description	Notes
subsystem_code		char(3)			Pointer to: SUBSYSTEM_CODE

TABLE TRANSMITTER [Filename: transmitter.dat] — Transmitter information for terrestrial fixed service.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
transmitter_key		int		System generated key uniquely identifying rows in this table.	[Index Key]
site_key		int	Site		Pointer to: site_key.SITE
transmitter_description		vchar(255)			
quantity		int			
manufacturer		vchar(40)		Manufacturer of the transmitter.	
model		vchar(10)		The manufacturer product Model number for the transmitter.	
serial_num		char(15)		The serial number of the transmitter	
emission_type		vchar(20)			
power	watts	float		The rated transmit power of each individual transmitter of the specified make and model, in watts.	
tolerance	%	float		The maximum tolerance allowed for the transmitter	

TABLE TYPE_APPLICANT_CODE [Filename: type_appl_code.dat] —Defines the type of applicant such as government, individual, etc.

Field Name	Units	Field Type	Form / Box	Field Description	Notes
type_applicant_code		char(3)			Pointer to: MAIN
description		vchar(40)			
inactive_date		datetime[19]			

class_of_station	description	ITU	Description	Count
BES	Blanket Earth Stations	TC	Fixed-Satellite Earth Station	36
FES	Fixed Earth Stations	TC	Fixed-Satellite Earth Station	49344
FLE	Fixed Land Earth Stations	TC	Fixed-Satellite Earth Station	82
FLS	Fixed Land-based Ship Earth Station	TC	Fixed-Satellite Earth Station	10
HBT	VSAT Temporary Fixed Hub Station	TC	Fixed-Satellite Earth Station	3
HUB	VSAT Fixed Hub Station	TC	Fixed-Satellite Earth Station	43
IHF	International HF Broadcast Station	BC	Broadcasting Station	33
MES	Mobile Earth Station	TU	Land Mobile Earth Station	178
OTH	Other	TC	?	28
PTF	Point-to-Point Telephone/Telegraph	FX	Fixed Station	0
PTM	Point-to-Point Microwave	FX	Fixed Station	3
SSG	Space Station Geostationary	EC	Fixed-Satellite Space station	414
SSN	Space Station Non-Geostationary	EC	?	53
TEL	Point-to-Point Telephone	FX	Fixed Station	0
TFE	Temporary Fixed Earth Station	TC	Fixed-Satellite Earth Station	4994
TGF	Point-to-Point Telegraph	FX	Fixed Station	0
VST	VSAT Network	TC	?	0

nature_of_ser	description	count
CC	Communications Satellite Service	0
DAMS	Domestic Aeronautical Mobile-Satellite	11
DARS	Satellite Digital Audio Radio Service	19
DBS	Direct Broadcast Satellite Service	85
DFSS	Domestic Fixed Satellite Service	55422
DHFS	Direct to Home Fixed Satellite	12
DLMS	Domestic Land Mobile-Satellite Service	32
DMMS	Domestic Maritime Mobile-Satellite Service	4
DMSS	Domestic Mobile-Satellite Service	61
EESS	Earth Exploration Satellite Service	35
FDBS	?	20
FLFS	Feeder Link in Fixed Satellite Service	16
FLW	Feeder Link for Wide Area Augmentation	6

FSS	Fixed Satellite Service	656
FSSF	?	16
IAMS	International Aeronautical Mobile-Satellite	15
IC	International Control Service	
IFLM	Feeder Link for Mobile Satellite Service	69
IFP	International Fixed Public Service	6
IFSS	International Fixed Satellite Service	2288
IHFB	International HF Broadcasting Service	
ILMS	International Land Mobile Satellite Service	12
IMMS	International Maritime Mobile Satellite Service	24
IMSS	International Mobile Satellite Service	32
IP	International Press Service	
MMS	Maritime Mobile Satellite Service	12
MSS	Mobile Satellite Service	96
OTH	Other	37
PLAN	Fixed Satellite Service ORB-88 Allotment Plan	19
RDS	Radio Determination Satellite Service	
FDBS	Feeder Link for DBS in Fixed Satellite Service	