



PUBLIC NOTICE

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WIRELESS TELECOMMUNICATIONS BUREAU ANNOUNCES THE AVAILABILITY OF UNIVERSAL LICENSING SYSTEM (ULS) DATABASE FILES VIA THE INTERNET

The Universal Licensing System (ULS) public access files are now available for downloading via the Internet. These files contain complete application and license data, along with daily updates, that can be used for private programming and research efforts. Anyone can download them directly to a personal computer free of charge.

Available Services

Public access files are created for all of the radio services that have been converted to ULS. As additional services are added to ULS, public access files will be made available for those as well. A notice will be placed in the *ULS Update Newsletter* at <http://www.fcc.gov/wtb/uls/newsletter> when this occurs.

NOTE: Public access files from the Antenna Structure Registration (ASR) database are not yet available. In the interim, ASR data is accessible via the "Query" feature on the Antenna homepage at <http://www.fcc.gov/wtb/antenna>.

Table 1: Services Currently Available and File Naming Convention

Radio Service(s)	Complete Application Data	Complete License Data	Daily Application Data¹	Daily License Data¹
Amateur	a_amat.zip	l_amat.zip	a_am_xxx.zip	l_am_xxx.zip
Aircraft Services	a_aircr.zip	l_aircr.zip	a_ac_xxx.zip	l_ac_xxx.zip
General Mobile Radio Service (GMRS)	a_gmrs.zip	l_gmrs.zip	a_gm_xxx.zip	l_gm_xxx.zip
Cellular Radiotelephone Services	a_cell.zip	l_cell.zip	a_cl_xxx.zip	l_cl_xxx.zip
Paging, Radiotelephone, and Offshore Radiotelephone Services	a_paging.zip	l_paging.zip	a_pg_xxx.zip	l_pg_xxx.zip
Applications for Transfers and Assignments	a_aatc.zip	n/a	a_aa_xxx.zip	l_aa_xxx.zip

Radio Service(s)	Complete Application Data	Complete License Data	Daily Application Data ¹	Daily License Data ¹
Microwave and Microwave Broadcast Auxiliary	a_micro.zip	l_micro.zip	a_mw_xxx.zip	l_mw_xxx.zip
Market-based Auctioned Services ²	a_market.zip	l_market.zip	a_mk_xxx.zip	l_mk_xxx.zip

¹ “xxx” denotes the day of the week.

² Market-based auctioned services include 900 MHz Specialized Mobile Radio (SMR), Auction 20 - VHF Public Coast Service, Auction 18 - 220 MHz Radio Service, Personal Communications Services (PCS), Wireless Communications Services (WCS), Auction 17 - Microwave Local Multipoint Distribution Service, and Auction 16 - Land Mobile SMR, 806-821/851-866 MHz.

NOTE: Because applications for a transfer of control or assignment of authorization can be associated with multiple radio services, a separate download file contains these applications. Once these transactions are consummated, each of the licenses will be updated appropriately. The following day, the license data will be updated and reflected in the appropriate service’s daily license data file.

Location of Files

The ULS data files are located on the ULS home page (www.fcc.gov/wtb/uls). To access the files, scroll to the hypertext links labeled “Download Complete ULS Databases” and “Download ULS Daily Transaction Files.” The complete files are created at 5:00 am eastern time Sunday morning and the daily files are created at 5:00 am eastern time Tuesday through Saturday mornings. The file created on Tuesday contains Monday data, Wednesday contains Tuesday data, etc. The data files can also be accessed from the FCC’s ftp site (<ftp://ftp.fcc.gov/pub/Bureaus/Wireless/Databases/uls>).

NOTE: A zipped file size of 110 bytes indicates that there were no new or modified applications or licenses for that radio service for that day.

Definition Files

Four files containing definitions are available for downloading:

- *pa_ddef.xls* (**Attachment A** to this Public Notice) is an Excel file containing definitions of the data fields in the database tables.
- *pa_ddl.sql* (**Attachment B** to this Public Notice) contains the SQL for the table definitions for Amateur, Aircraft, GMRS, Paging, Cellular, Microwave and Market-based applications and licenses.

- *pa_codes.txt* (**Attachment C** to this Public Notice) contains code definitions for the data elements in the tables.
- *pa_tdefs.txt* (**Attachment D** to this Public Notice) contains table abbreviations and names.

File Format

The data is formatted as flat ASCII files and has been compressed and stored as “zip” files. Any of the popular "zip" utilities can be used to unzip the files. Each zipped file contains a set of data files named “xx.dat” where xx are two unique characters to indicate the content of the specific data file (see *Tables 2 to 4*).

Data Files

The data files produced by unzipping a downloaded file will vary depending on the type of data (application or license) and radio service selected. Each data file is pipe-delimited (“|”) and contains a specific type of data (e.g., names and addresses, location data). The naming convention for these files is *xx.dat*, where *xx* indicates the table from which the data came. Additionally, each data file has the same name as its corresponding table; for example, file *FR.dat* contains data from frequency data table *FR*.

Also, each record type begins with the same unique two-character record type code that identifies the table from which the data was extracted. The last data field is not followed by a pipe.

Tables 2 to 4 summarize the available data tables. Note that these tables show the hierarchy of the data tables for each service, and which data tables are required (R) or optional (O) for the applications and licenses within a service.

Table 2. Public Access Tables for the Aircraft, GMRS, and Amateur Radio Services

Tables	Table Contents	Aircraft		GMRS		Amateur	
		App	Lic	App	Lic	App	Lic
Hierarchy		App	Lic	App	Lic	App	Lic
HD	Main Form 605 data that carries over to the license	R	R	R	R	R	R
AD	Main Form 605 data that does not carry over to the license	R		R		R	
EN	Names and addresses	R	R	R	R	R	R
CO	FCC Comments	O	O	O	O	O	O
HS	Application/License History	R	R	R	R	R	R
SC	Special conditions		O		O		O
AC	Aircraft data	R	R				
AM	Amateur data					R	R
VC	Requested vanity call sign					O	
AT	Attachment information	O		O		O	

Table 3. Public Access Tables for the Market-based Auctioned and Site-based Services

Tables	Table Contents	Market-based		Paging		Cellular		Micro wave	
		App	Lic	App	Lic	App	Lic	App	Lic
HD	Main Form 601 data that carries over to license	R	R	R	R	R	R	R	R
AD	Main Form 601 data that does not carry over to license	R		R		R		R	
CF	Multiple call signs or file numbers that application applies to	O		O		O		O	
EN	Names and addresses	R	R	R	R	R	R	R	R
CO	FCC Comments	O	O	O	O	O	O	O	O
HS	Application and License history	R	R	R	R	R	R	R	R
IR	IRAC status				O				O
CS	COSER status				O				O
MW	Microwave administrative data							O	R
BC	Broadcast Call Signs							O	O
FC	Frequency Coordination							O	O
SC	Special condition for licenses		O		O		O		O
BO	License build out data		R				R		
CP	Control point data			O	O	O	O	O	O
SI	SID number					O	O		
MK	Market data	O	R			O	O		
MP	P&D market data	O	O			O	O		
MF	Disaggregated frequency data	O	O			O	O		
MC	Partition coordinates	O	O			O	O		
LO	Location data	O	O	O	R	O	R	O	R
OP	Area of operation text							O	O
LS	Location special conditions		O		O		O		O
BL	Location build out data						O		
AN	Antenna data			O	R	O	R	O	R
FR	Frequency data			O	R	O	R	O	R
FS	Frequency special conditions				O		O		O
BF	Frequency build out data				R				R
RA	Radial data			O	R	O	R		
EM	Emission data			O	O	O	O	O	O
PC	Points of Com data			O	O	O	O		
PA	Paths							O	R
SG	Segments							O	R
AT	Attachment information	O		O		O		O	

Table 4. Public Access Tables for Assignment and Transfer Applications

Tables	Table Contents	AA/TC
Hierarchy		App
HD	Main Form 603 data that carries over to the license	R
AD	Main Form 603 data that does not carry over to license	R
CF	Multiple call signs or file numbers affected by this application	O
EN	Names and addresses for licensees, contacts, transferees, assignees, transferors, assignors, owners	R
CO	FCC comments	O
HS	Application and License history	R
TA	Transfer/Assignment data	O
M K	Market data	O
MP	Partition market data	O
MF	Disaggregated frequency data	O
MC	Partition coordinates	O
LO	Location data	O
AT	Attachment information	O

NOTE: Because data can differ from service to service, particular columns in certain tables will always be null for some services but contain data for other services.

Using the Data

Data can be joined whenever the column name is the same in both tables. The primary column for joining license data is the call sign. The primary column for joining application data is the ULS file number. In addition to the call sign or ULS file number, each application and license has been assigned a unique, 9-digit system identifier. This system identifier is useful in cases where the status of the call sign has changed, insofar as it allows you to differentiate between the active call sign and the call sign that has expired or been cancelled or terminated. (This situation occurs commonly with Amateur vanity licenses.)

License data for site-based services can be joined by the following combination of columns:

- call_sign
- call_sign and location_number

call_sign, location_number and antenna_number
call_sign, location_number, antenna_number and frequency_assigned
call_sign, path number, location_number and antenna_number
call_sign, path_number and segment_number

License data for market-based services can be joined by the following combination of columns:

call_sign and market code
call_sign, market_code and market_partition_code
call_sign, market_code, market_partition_code and undefined_partitioned_area
call_sign, market_code, market_partition_code and defined_partition_code

The unique system identifier can be used in place of the call_sign or in conjunction with it.

Application data can be joined using the same columns as denoted above for license data, except the uls_file_number must be substituted for the call_sign. The unique system identifier can be used in place of the uls_file_number or in conjunction with it.

FOR FURTHER INFORMATION OR ASSISTANCE

For general information about ULS, including answers to frequently asked questions regarding submitting applications, finding the status of pending applications, and searching the ULS database, the Commission recommends first consulting the ULS webpage at <http://www.fcc.gov/wtb/uls>. Individuals having specific questions not addressed on the webpage may contact Commission staff via phone or e-mail as described below.

FCC Technical Support Hotline: (202) 414-1250 (TTY – (202) 414-1255), or via e-mail at ulscomm@fcc.gov. Contact the Technical Support Hotline about questions concerning computer access to ULS, TIN registration, uploading files, or submitting attachments in ULS. The hotline is available Monday through Friday, from 8 a.m. to 6 p.m., local eastern time. In order to provide better service to ULS users and ensure the security of the electronic filing system, all calls to the hotline are recorded.

ULS Licensing Support: 1-888-CALL-FCC (225-5322) (select Auction/ULS Forms prompt), or via e-mail at ulshelp@fcc.gov. Contact Licensing Support with questions about which application purpose(s) are appropriate for a particular filing, what information is being requested on a ULS Form or Schedule, or any other ULS-related licensing matter. ULS Licensing Support is available Monday through Friday, from 8 a.m. to 5:30 p.m. local eastern time.

Comments on ULS should be sent via email to: ulscomm@fcc.gov.