

## **Vacated Spectrum Public Access Files**

On November 6, 2008, ULS is implementing two new Public access files to support ULS Vacated Spectrum. The two files will contain Site-based Data and Geographically-based Data. With the exception of the VS record, these record formats are identical to the ones used in Public Access for the other different services.

The ULS zipped public access files can be reached by going to the "ULS Downloads" section of the ULS home page and clicking on the hyperlinks – "Databases".

## **Definition Files**

Two files containing definitions are also available for downloading:

- *VS\_ddefnn.xls* is an Excel file containing definitions of the data fields in the database tables where *nn* is a number that increases as the file is updated.
- *VS\_ddefnn.txt* contains the SQL for the table definitions where *nn* is a number that increases as the file is updated.

## **Zipped Files:**

The Vacated Spectrum public access files are available for download. These files contain vacated spectrum license data, and anyone can download them directly to their own computer. Data is downloaded as a zipped file. Any of the popular "zip" utilities can be used to unzip the file. Unzipping a downloaded file causes a number of data files to be stored on your computer. Each zipped file contains a set of data files named *xx.dat* where *xx* are 2 unique characters to indicate the content of the specific data file.

The zipped file contains either vacated spectrum for market-based license data or vacated spectrum for site-based license data. The public access files contain complete vacated spectrum license data. The name of each downloaded file identifies its content. The naming convention for the complete public access files is *vs\_market.zip* for the vacated spectrum market-based license data and *vs\_site.zip* for the vacated spectrum site-based license data.

## **Data Files:**

Each data file contains a specific type of data (e.g., names and addresses, location data) and the data is pipe-separated. Each record type starts with the same unique 2-character record type code that identifies the table from which the data was extracted. The last data field is not followed by a "|". Each data file has a name of the form *xx.DAT*, where *xx* indicates which table the data came from. In fact, each data file has the same name as its corresponding table; for example, file *FR.dat* contains the data from table *PUBACC\_FR*. Look for the FR tab in the excel spreadsheet that is available on this Public Access web page.

Each data file has the same name as the table the data was extracted from; for example, *hd.dat* contains the data from table *PUBACC\_HD*. Following are tables that summarize the available data tables associated with Vacated Spectrum:

**Record Type:****Record Type HD - Header**

<b>Position</b>	<b>Data Element</b>	<b>Definition</b>
1	Record Type <b>[HD]</b>	char(2)
2	Unique System Identifier	numeric (9)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	License Status	N/A for Vacated Spectrum
7	Radio Service Code	char(2)
8	Grant Date	N/A for Vacated Spectrum
9	Expired Date	N/A for Vacated Spectrum
10	Cancellation Date	N/A for Vacated Spectrum
11	Eligibility Rule Num	N/A for Vacated Spectrum
12	Reserved	N/A for Vacated Spectrum
13	Alien	N/A for Vacated Spectrum
14	Alien Government	N/A for Vacated Spectrum
15	Alien Corporation	N/A for Vacated Spectrum
16	Alien Officer	N/A for Vacated Spectrum
17	Alien Control	N/A for Vacated Spectrum
18	Revoked	N/A for Vacated Spectrum
19	Convicted	N/A for Vacated Spectrum
20	Adjudged	N/A for Vacated Spectrum
21	Reserved	N/A for Vacated Spectrum
22	Common Carrier	N/A for Vacated Spectrum
23	Non Common Carrier	N/A for Vacated Spectrum
24	Private Comm	N/A for Vacated Spectrum
25	Fixed	N/A for Vacated Spectrum
26	Mobile	N/A for Vacated Spectrum
27	Radiolocation	N/A for Vacated Spectrum
28	Satellite	N/A for Vacated Spectrum
29	Developmental or STA or Demonstration	N/A for Vacated Spectrum
30	Interconnected Service	N/A for Vacated Spectrum
31	Certifier First Name	N/A for Vacated Spectrum
32	Certifier MI	N/A for Vacated Spectrum
33	Certifier Last Name	N/A for Vacated Spectrum
34	Certifier Suffix	N/A for Vacated Spectrum
35	Certifier Title	N/A for Vacated Spectrum
36	Female	N/A for Vacated Spectrum
37	Black or African-American	N/A for Vacated Spectrum
38	Native American	N/A for Vacated Spectrum
39	Hawaiian	N/A for Vacated Spectrum
40	Asian	N/A for Vacated Spectrum
41	White	N/A for Vacated Spectrum
42	Hispanic	N/A for Vacated Spectrum
43	Effective Date	N/A for Vacated Spectrum
44	Last Action Date	N/A for Vacated Spectrum

45	Auction ID	N/A for Vacated Spectrum
46	Broadcast Services - Regulatory Status	N/A for Vacated Spectrum
47	Band Manager - Regulatory Status	N/A for Vacated Spectrum
48	Broadcast Services - Type of Radio Service	N/A for Vacated Spectrum
49	Alien Ruling	N/A for Vacated Spectrum
50	Licensee Name Change	N/A for Vacated Spectrum

### Record Type EN – Entity

Position	Data Element	Definition
1	Record Type [EN]	char(2)
2	Unique System Identifier	numeric (9)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Entity Type	char(1)
7	Licensee ID	char(9)
8	Entity Name	varchar(200)
9	First Name	varchar(20)
10	MI	char(1)
11	Last Name	varchar(20)
12	Suffix	char(3)
13	Phone	N/A for Vacated Spectrum
14	Fax	N/A for Vacated Spectrum
15	Email	N/A for Vacated Spectrum
16	Street Address	N/A for Vacated Spectrum
17	City	N/A for Vacated Spectrum
18	State	N/A for Vacated Spectrum
19	Zip Code	N/A for Vacated Spectrum
20	PO Box	N/A for Vacated Spectrum
21	Attention Line	N/A for Vacated Spectrum
22	SGIN	N/A for Vacated Spectrum
23	FCC Registration Number (FRN)	N/A for Vacated Spectrum
24	Applicant Type Code	N/A for Vacated Spectrum
25	Applicant Type Code Other	N/A for Vacated Spectrum
26	Status Code	N/A for Vacated Spectrum
27	Status Date	N/A for Vacated Spectrum

### Record Type VS – Vacated Spectrum

Position	Data Element	Definition
1	Record Type [VS]	char(2)
2	Unique System Identifier	numeric(9,0)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Public Safety Region	Integer(3)
7	Prioritization Wave	integer

Position	Data Element	Definition
8	Region Close Date	N/A for Vacated Spectrum

### Record Type LO - Location

Position	Data Element	Definition
1	Record Type [LO]	char(2)
2	Unique System Identifier	numeric(9,0)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Location Action Performed	N/A for Vacated Spectrum
7	Location Type Code	N/A for Vacated Spectrum
8	Location Class Code	N/A for Vacated Spectrum
9	Location Number	integer
10	Site Status	N/A for Vacated Spectrum
11	Corresponding Fixed Location	N/A for Vacated Spectrum
12	Location Address	N/A for Vacated Spectrum
13	Location City	char(20)
14	Location County	varchar(60)
15	Location State	char(2)
16	Radius of Operation	N/A for Vacated Spectrum
17	Area of Operation Code	N/A for Vacated Spectrum
18	Clearance Indicator	N/A for Vacated Spectrum
19	Ground Elevation	numeric(7,1)
20	Latitude Degrees	integer
21	Latitude Minutes	integer
22	Latitude Seconds	numeric(3,1)
23	Latitude Direction	char(1)
24	Longitude Degrees	integer
25	Longitude Minutes	integer
26	Longitude Seconds	numeric(3,1)
27	Longitude Direction	char(1)
28	Max Latitude Degrees	N/A for Vacated Spectrum
29	Max Latitude Minutes	N/A for Vacated Spectrum
30	Max Latitude Seconds	N/A for Vacated Spectrum
31	Max Latitude Direction	N/A for Vacated Spectrum
32	Max Longitude Degrees	N/A for Vacated Spectrum
33	Max Longitude Minutes	N/A for Vacated Spectrum
34	Max Longitude Seconds	N/A for Vacated Spectrum
35	Max Longitude Direction	N/A for Vacated Spectrum
36	Nepa	N/A for Vacated Spectrum
37	Quiet Zone Notification Date	N/A for Vacated Spectrum
38	Tower Registration Number	N/A for Vacated Spectrum
39	Height of Support Structure	N/A for Vacated Spectrum
40	Overall Height of Structure	N/A for Vacated Spectrum
41	Structure Type	N/A for Vacated Spectrum
42	Airport ID	N/A for Vacated Spectrum

Position	Data Element	Definition
43	Location Name	N/A for Vacated Spectrum
44	Units Hand Held	N/A for Vacated Spectrum
45	Units Mobile	N/A for Vacated Spectrum
46	Units Temp Fixed	N/A for Vacated Spectrum
47	Units Aircraft	N/A for Vacated Spectrum
48	Units Itinerant	N/A for Vacated Spectrum
49	Status Code	N/A for Vacated Spectrum
50	Status Date	N/A for Vacated Spectrum
51	Earth Station Agreement	N/A for Vacated Spectrum

### Record Type AN - Antenna

Position	Data Element	Definition
1	Record Type [AN]	char(2)
2	Unique System Identifier	numeric(9,0)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Antenna Action Performed	N/A for Vacated Spectrum
7	Antenna Number	integer
8	Location Number	integer
9	Receive Zone Code	N/A for Vacated Spectrum
10	Antenna Type Code	N/A for Vacated Spectrum
11	Height to Tip	numeric(5,1)
12	Height to Center RAAT	N/A for Vacated Spectrum
13	Antenna Make	N/A for Vacated Spectrum
14	Antenna Model	N/A for Vacated Spectrum
15	Tilt	N/A for Vacated Spectrum
16	Polarization Code	N/A for Vacated Spectrum
17	Beamwidth	N/A for Vacated Spectrum
18	Gain	N/A for Vacated Spectrum
19	Azimuth	N/A for Vacated Spectrum
20	Height Above Avg Terrain	numeric(5,1)
21	Diversity Height	N/A for Vacated Spectrum
22	Diversity Gain	N/A for Vacated Spectrum
23	Diversity Beam	N/A for Vacated Spectrum
24	Reflector Height	N/A for Vacated Spectrum
25	Reflector Width	N/A for Vacated Spectrum
26	Reflector Separation	N/A for Vacated Spectrum
27	Passive Repeater Number	N/A for Vacated Spectrum
28	Back-to-Back Tx Dish Gain	N/A for Vacated Spectrum
29	Back-to-Back Rx Dish Gain	N/A for Vacated Spectrum
30	Location Name	N/A for Vacated Spectrum
31	Passive Repeater Sequence ID	N/A for Vacated Spectrum
32	Alternative CGSA Method	N/A for Vacated Spectrum
33	Path Number	N/A for Vacated Spectrum
34	Line Loss	N/A for Vacated Spectrum

Position	Data Element	Definition
35	Status Code	N/A for Vacated Spectrum
36	Status Date	N/A for Vacated Spectrum

### Record Type FR - Frequency

Position	Data Element	Definition
1	Record Type [FR]	char(2)
2	Unique System Identifier	numeric(9,0)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Frequency Action Performed	N/A for Vacated Spectrum
7	Location Number	integer
8	Antenna Number	integer
9	Class Station Code	N/A for Vacated Spectrum
10	Op Altitude Code	N/A for Vacated Spectrum
11	Frequency Assigned	numeric(16,8)
12	Frequency Upper Band	numeric(16,8)
13	Frequency Carrier	N/A for Vacated Spectrum
14	Time Begin Operations	N/A for Vacated Spectrum
15	Time End Operations	N/A for Vacated Spectrum
16	Power Output	N/A for Vacated Spectrum
17	Power ERP	numeric(15,3)
18	Tolerance	N/A for Vacated Spectrum
19	Frequency Indicator	N/A for Vacated Spectrum
20	Status	N/A for Vacated Spectrum
21	EIRP	N/A for Vacated Spectrum
22	Transmitter Make	N/A for Vacated Spectrum
23	Transmitter Model	N/A for Vacated Spectrum
24	Auto Transmitter Power Control	N/A for Vacated Spectrum
25	Number of Units	N/A for Vacated Spectrum
26	Number of Paging Receivers	N/A for Vacated Spectrum
27	Frequency Number	integer
28	Status Code	N/A for Vacated Spectrum
29	Status Date	mm/dd/yyyy  The Frequency Status Date record field will contain the Channel Availability Date for Vacated Spectrum Public Access records.

### Record Type MK – Market

Position	Data Element	Definition
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Position	Data Element	Definition
1	Record Type [MK]	char(2)
2	Unique System Identifier	numeric(9,0)
3	ULS File Number	N/A for Vacated Spectrum
4	EBF Number	N/A for Vacated Spectrum
5	Call Sign	char(10)
6	Market Code	char(6)
7	Channel Block	char(4)
8	Submarket Code	integer
9	Market Name	varchar(30)
10	Coverage - Partitioning	N/A for Vacated Spectrum
11	Coverage - Dissagregation	N/A for Vacated Spectrum
12	Cellular Phase ID	N/A for Vacated Spectrum
13	Population	N/A for Vacated Spectrum
14	Tribal Credit Indicator	N/A for Vacated Spectrum
15	Tribal Credit Calculation	N/A for Vacated Spectrum
16	Additional Tribal Credit Requested	N/A for Vacated Spectrum
17	Tribal Credit Awarded	N/A for Vacated Spectrum
18	Additional Tribal Credit Awarded	N/A for Vacated Spectrum

### 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. In addition to the call sign, each license has been assigned a unique, 9-digit system identifier, which may be useful in joining the vacated spectrum license data.