



PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

News Media Information 202 / 418-0500
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WIRELESS TELECOMMUNICATIONS BUREAU ANNOUNCES THE AVAILABILITY OF ANTENNA STRUCTURE REGISTRATION DATA VIA THE INTERNET

The Antenna Structure Registration (ASR) public access files are now available for downloading via the Internet. These files contain complete application and registration data, along with daily updates, that can be used for private programming and research efforts. Additionally, we are, for the first time, making FAA determination records for antenna structures available to the public. Anyone can download these files directly to a personal computer free of charge.

The Query feature – which provides free, interactive on-line searches of the ASR database – will continue to be available via the Antenna Homepage (www.fcc.gov/wtb/antenna).

Location of Files

The ASR 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 registrations for that radio service for that day.

The files are named as follows (“xxx” denotes the day of the week):

Complete Application Data	a_tower.zip
Complete Registration Data	r_tower.zip
Complete FAA Determination Records	d_tower.zip
Daily Application Data	a_tow_xxx.zip
Daily Registration Data	r_tow_xxx.zip
Daily FAA Determination Records	d_tow_xxx.zip

Data Files. The data files produced by unzipping a downloaded file will vary depending on whether you are downloading applications, registrations or determinations. Each data file contains a specific type of data (e.g., names and addresses, location data) and the data is pipe-delimited. Each record type starts with the same unique 2-character record type code that identifies the table from which the data was extracted. A pipe (|) does not follow the last data field.

Each data file has a name of the form *xx.dat*, where *xx* indicates the content.

Note: Although the data files contained in the ASR zip files have the same name as those contained in the application and license zip files, the data structure is not the same.

Definition Files. Three files containing definitions are available for downloading:

- *patower.xls* (**Attachment A** to this Public Notice) is an Excel file containing definitions of the data fields in the database tables.
- *towerddl.sql* (**Attachment B** to this Public Notice) contains the SQL for the table definitions.
- *towcodes.doc* (**Attachment C** to this Public Notice) contains meanings of codes for the code data elements in the tables.

Data Files

The data files for applications are:

RA application data
RS reason for returning or dismissing applications
EN names and addresses applicable to each application
CO antenna structure coordinates
RE FCC remarks
SC FCC special conditions
HS history for each application
AT indicates if application has attachments
(**Note:** attachments are not included in the zip files)

The data files for registrations are:

RA registration data
EN names and addresses applicable to each registration
CO antenna structure coordinates
RE FCC remarks
SC FCC special conditions
HS history for each registration

The data files for determinations are:

DE.....determination information
DP.....determination painting and lighting data
DRFAA determination remarks

Joining Data

Application data can be joined using the column named "File Number" or "Unique System Identifier".
Registration data can be joined using "Registration Number" or Unique System Identifier". Determinations
can be joined using "FAA Study Number".

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.

Attachment A: Definitions Of The Data Fields In The Database Tables
File "patower.xls"

REGISTRATION/APPLICATION			
Position	Data Element	Definition	Content
1	Record Type	char(2)	"RA"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Application Purpose	char(2)	
7	Previous Purpose	char(2)	
8	Input Source Code	char(1)	
9	Status Code	char(1)	
10	Date Entered	mm/dd/yyyy	
11	Date Received	mm/dd/yyyy	
12	Date Issued	mm/dd/yyyy	
13	Date Constructed	mm/dd/yyyy	
14	Date Dismantled	mm/dd/yyyy	
15	Date Action	mm/dd/yyyy	
16	Archive Flag Code	char(1)	
17	Version	integer	
18	Signature First Name	varchar(20)	
19	Signature Middle Initial	char(1)	
20	Signature Last Name	varchar(20)	
21	Signature Suffix	varchar(3)	
22	Signature Title	varchar(40)	
23	Invalid Signature	char(1)	
24	Structure_Street Address	varchar(80)	
25	Structure_City	varchar(20)	
26	Structure_State Code	char(2)	
27	Height of Structure	numeric(5,1)	
28	Ground Elevation	numeric(6,1)	
29	Overall Height Above Ground	numeric(6,1)	
30	Overall Height AMSL	numeric(6,1)	
31	Structure Type	char(6)	
32	Date FAA Determination Issued	mm/dd/yyyy	
33	FAA Study Number	varchar(20)	
34	FAA Circular Number	varchar(10)	
35	Specification Option	Integer	
36	Painting and Lighting	varchar(100)	
37	FAA EMI Flag	char(1)	
38	NEPA Flag	char(1)	

REASONS			
Position	Data Element	Definition	Content
1	Record Type	char(2)	"RS"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Reason Type	char(1)	
7	Reason Description	varchar(50)	
8	Reason Comment	varchar(255)	
9	Reason Date	mm/dd/yyyy	
ENTITY			
Position	Data Element	Definition	Content
1	Record Type	char(2)	"EN"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9,0)	
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	char(10)	
14	Internet Address	varchar(50)	
15	Street Address	varchar(35)	
16	PO Box	varchar(20)	
17	City	varchar(20)	
18	State	char(2)	
19	Zip Code	char(9)	
20	Attention	varchar(35)	

COORDINATES

Position	Data Element	Definition	Content
1	Record Type	char(2)	"CO"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Coordinate Type	char(1)	
7	Latitude Degrees	integer	
8	Latitude Minutes	integer	
9	Latitude Seconds	numeric(4,1)	
10	Latitude Direction	char(1)	
11	Latitude_Total_Seconds	numeric(8,1)	
12	Longitude Degrees	integer	
13	Longitude Minutes	integer	
14	Longitude Seconds	numeric(4,1)	
15	Longitude Direction	char(1)	
16	Longitude_Total_Seconds	numeric(8,1)	

REMARKS

Position	Data Element	Definition	Content
1	Record Type	char(2)	"RE"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Remark Type	char(3)	
7	Date Keyed	mm/dd/yyyy	
8	Sequence Number	integer	
9	Remark Text	varchar(255)	

SPECIAL CONDITION

Position	Data Element	Definition	Content
1	Record Type	char(2)	"SC"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Date Keyed	mm/dd/yyyy	
7	Sequence Number	integer	
8	Remark Text	varchar(255)	

HISTORY

Position	Data Element	Definition	Content
1	Record Type	char(2)	"HS"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Date	mm/dd/yyyy	
7	Description	varchar(50)	

ATTACHMENT

Position	Data Element	Definition	Content
1	Record Type	char(2)	"AT"
2	Content Indicator	char(3)	
3	File Number	char(8)	
4	Registration Number	char(7)	
5	Unique System Identifier	numeric(9)	
6	Attachment Code	char(1)	
7	Description	varchar(60)	
8	Date	mm/dd/yyyy	

FAA Determination Information			
Position	Data Element	Definition	Content
1	Record Type	char(2)	"DE"
2	FAA Study Number	varchar(20)	
3	Circular Number	varchar(10)	
4	Latitude Degrees	integer	
5	Latitude Minutes	integer	
6	Latitude Seconds	numeric(4,2)	
7	Latitude Direction	char(1)	
8	Latitude Total Seconds	numeric(8,2)	
9	Longitude Degrees	integer	
10	Longitude Minutes	integer	
11	Longitude Seconds	numeric(4,2)	
12	Longitude Direction	char(1)	
13	Longitude Total Seconds	numeric(8,2)	
14	Height Ground Elevation	numeric(5,1)	
15	Height Overall Structure	numeric(6,1)	
16	Height Overall AMSL	numeric(6,1)	
17	FAA Date Issued	mm/dd/yyyy	
18	FAA Date Keyed	mm/dd/yyyy	
19	FAA Date Expiration	mm/dd/yyyy	
20	Date Action	mm/dd/yyyy	
21	Date FAA Final	mm/dd/yyyy	
22	City	varchar(20)	
23	State Code	char(2)	
24	Business Name	varchar(200)	
25	First Name	varchar(20)	
26	Middle Initial	char(1)	
27	Last Name	varchar(20)	
28	Suffix	char(3)	
29	FAA EMI Flag	char(1)	
30	Version	integer	
FAA Determinations Painting and Lighting			
Position	Data Element	Definition	Content
1	Record Type	char(2)	"DP"
2	FAA Study Number	varchar(20)	
3	FAA Chapter Code	varchar(14)	
4	Specification Option	integer	

DETERMINATION REMARKS

Position	Data Element	Definition	Content
1	Record Type	char(2)	"DR"
2	FAA Study Number	varchar(20)	
3	Date Keyed	mm/dd/yyyy	
4	Sequence Number	integer	
5	Remark Text	varchar(255)	

Attachment B: SQL For The Table Definitions
File "towerddl.sql"

```
create table dbo.TOWER_PUBACC_AT
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    attachment_code      char(1)          null,
    description          varchar(60)      null,
    date                 char(10)         null
)
go

create table dbo.TOWER_PUBACC_CO
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    coordinate_type      char(1)          not null,
    latitude_degrees     int              null,
    latitude_minutes     int              null,
    latitude_seconds     numeric(4,1)     null,
    latitude_direction   char(1)          null,
    latitude_total_seconds numeric(8,1)   null,
    longitude_degrees    int              null,
    longitude_minutes    int              null,
    longitude_seconds    numeric(4,1)     null,
    longitude_direction  char(1)          null,
    longitude_total_seconds numeric(8,1)   null
)
go
```

```

create table dbo.TOWER_PUBACC_DE
(
    record_type          char(2)          null,
    faa_study_number    varchar(20)       not null,
    circular_number      varchar(10)      null,
    latitude_degrees     int              null,
    latitude_minutes     int              null,
    latitude_seconds     numeric(4,2)     null,
    latitude_direction   char(1)          null,
    latitude_total_seconds numeric(8,2)    null,
    longitude_degrees    int              null,
    longitude_minutes    int              null,
    longitude_seconds    numeric(4,2)     null,
    longitude_direction  char(1)          null,
    longitude_total_seconds numeric(8,2)    null,
    height_ground_elevation numeric(5,1)    null,
    height_overall_structure numeric(6,1)    null,
    height_overall_amsl  numeric(6,1)    null,
    faa_date_issued      char(10)        null,
    faa_date_keyed       char(10)        null,
    faa_date_expiration  char(10)        null,
    date_action          char(10)        null,
    date_faa_final       char(10)        null,
    city                 varchar(20)     null,
    state_code           char(2)         null,
    business_name        varchar(200)    null,
    first_name           varchar(20)     null,
    middle_initial       char(1)         null,
    last_name            varchar(20)     null,
    suffix               char(3)         null,
    faa_emi_flag         char(1)         null,
    version              int            null
)

```

go

```

create table dbo.TOWER_PUBACC_DP
(
    record_type          char(2)          null,
    faa_study_number    varchar(20)       not null,
    faa_chapter_code    varchar(14)      null,
    specification_option int            null
)

```

go

```

create table dbo.TOWER_PUBACC_DR
(
    record_type          char(2)          null,
    faa_study_number    varchar(20)       not null,
    date_keyed          char(10)         null,
    sequence_number     int              null,
    remark_text         varchar(255)     null
)

```

go

```

create table dbo.TOWER_PUBACC_EN
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    entity_type          char(1)          not null,
    licensee_id          char(9)          null,
    entity_name          varchar(200)     null,
    first_name           varchar(20)     null,
    mi                   char(1)          null,
    last_name            varchar(20)     null,
    suffix               char(3)          null,
    phone                varchar(10)     null,
    internet_address     varchar(50)     null,
    street_address       varchar(35)     null,
    po_box               varchar(20)     null,
    city                 varchar(20)     null,
    state                char(2)          null,
    zip_code             char(9)          null,
    attention            varchar(35)     null
)
go

```

```

create table dbo.TOWER_PUBACC_HS
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    date                char(10)         null,
    description          varchar(50)     null
)
go

```

```

create table dbo.TOWER_PUBACC_RA
(
    RECORD_TYPE char(2) null,
    CONTENT_INDICATOR char(3) null,
    FILE_NUMBER char(8) null,
    REGISTRATION_NUMBER char(7) null,
    UNIQUE_SYSTEM_IDENTIFIER numeric(9,0) not null,
    APPLICATION_PURPOSE char(2) null,
    PREVIOUS_PURPOSE char(2) null,
    INPUT_SOURCE_CODE char(1) null,
    STATUS_CODE char(1) null,
    DATE_ENTERED char(10) null,
    DATE_RECEIVED char(10) null,
    DATE_ISSUED char(10) null,
    DATE_CONSTRUCTED char(10) null,
    DATE_DISMANTLED char(10) null,
    DATE_ACTION char(10) null,
    ARCHIVE_FLAG_CODE char(1) null,
    VERSION int null,
    SIGNATURE_FIRST_NAME varchar(20) null,
    SIGNATURE_MIDDLE_INITIAL char(1) null,
    SIGNATURE_LAST_NAME varchar(20) null,
    SIGNATURE_SUFFIX varchar(3) null,
    SIGNATURE_TITLE varchar(40) null,
    INVALID_SIGNATURE char(1) null,
    STRUCTURE_STREET_ADDRESS varchar(80) null,
    STRUCTURE_CITY varchar(20) null,
    STRUCTURE_STATE_CODE char(2) null,
    HEIGHT_OF_STRUCTURE numeric(5,1) null,
    GROUND_ELEVATION numeric(6,1) null,
    OVERALL_HEIGHT_ABOVE_GROUND numeric(6,1) null,
    OVERALL_HEIGHT_AMSL numeric(6,1) null,
    STRUCTURE_TYPE char(6) null,
    DATE_FAA_DETERMINATION_ISSUED char(10) null,
    FAA_STUDY_NUMBER varchar(20) null,
    FAA_CIRCULAR_NUMBER varchar(10) null,
    SPECIFICATION_OPTION int null,
    PAINTING_AND_LIGHTING varchar(100) null,
    FAA_EMI_FLAG char(1) null,
    NEPA_FLAG char(1) null
)

```

go

```

create table dbo.TOWER_PUBACC_RE
(
    record_type char(2) null,
    content_indicator char(3) null,
    file_number char(8) null,
    registration_number char(7) null,
    unique_system_identifier numeric(9,0) not null,
    remark_type char(3) not null,
    date_keyed char(10) null,
    sequence_number int null,
    remark_text varchar(255) null
)

```

go

```

create table dbo.TOWER_PUBACC_RS
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    reason_type          char(1)          null,
    reason_description   varchar(50)      null,
    reason_comment       varchar(255)     null,
    reason_date          char(10)         null
)
go

create table dbo.TOWER_PUBACC_SC
(
    record_type          char(2)          null,
    content_indicator    char(3)          null,
    file_number          char(8)          null,
    registration_number  char(7)          null,
    unique_system_identifier numeric(9,0) not null,
    date_keyed          char(10)         null,
    sequence_number      int              null,
    remark_text         varchar(255)     null
)
go

```

**Attachment C: Meanings Of Codes For The Code Data Elements In The Tables
File "towcodes.doc"**

Explanation of Codes Used in Tower Public Access Files

<u>Table</u>	<u>Column/Code</u>	<u>Description</u>
RA	Content Indicator	
	APP	Application
	REG	Registration
RA	Application Purpose	
	AM	Amendment of a previously filed, currently pending application
	AU	Administrative Update
	CA	Cancellation of a registered, unconstructed structure
	DI	Notification of antenna structure dismantlement
	D	Request a duplicate Registration document
	MD	Modification of a registered antenna structure
	NE	Application to register an antenna structure that has not been registered
	NT	Notification that an antenna structure has been constructed
	OC	Ownership change
WD	Withdrawal of a pending application	
RA	Input Source Code	
	D	diskette
	I	interactive
	M	manual
RA	Status Code	
	A	Canceled
	C	Constructed
	D	Dismissed
	G	Granted
	I	Dismantled
	O	Owner removed
	P	Pending
	R	Returned
	T	Terminated
W	Withdrawn	
RA	Archive Flag Code	
	C	current version
	A	Archive

<u>Table</u>	<u>Column/Code</u>	<u>Description</u>
RA	Specification Option	
	1, 2, 3	FAA Chapters
	4	FCC Paragraphs
RA	Invalid Signature Code	
	N	Invalid Signature
	Y	Valid Signature
RS	Content Indicator	
	APP	Application
	REG	Registration
RS	Reason Type	
	D	Dismissal
	R	Return
EN	Content Indicator	
	APP	Application
	REG	Registration
EN	Entity Type	
	O	Owner
	R	Representative
	A	Assignor
CO	Content Indicator	
	APP	Application
	REG	Registration
CO	Coordinate Type	
	T	Tower
	A	Array
RE	Content Indicator	
	APP	Application
	REG	Registration
RE	Remark Type	
	FAA	FAA remark
	FCC	FCC (external) remark
SC	Content Indicator	
	APP	Application
	REG	Registration

<u>Table</u>	<u>Column/Code</u>	<u>Description</u>
HS	Content Indicator	
	APP	Application
	REG	Registration
AT	Content Indicator	
	APP	Application
AT	Attachment Code	
	N	NEPA
	O	other
	W	waiver
DP	Specification Option	
	1, 2, 3	FAA Chapters
	4	FCC Paragraphs