PUBLIC NOTICE

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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
DR..... FAA 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

Table	Column/Code	Description
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

Table	Column/Code	Description
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

Table	Column/Code	Description
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