Public Access Files for the Unlicensed Wireless Microphone Registrations

This version revises the previous version of this document to change the unique 2-character record type code for the UM Attachments from A3 to A4. This change will be effective on June 3, 2012.

The Universal Licensing System (ULS) public access files for the unlicensed wireless microphone registrations are available for download. These application data files are 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.

Zipped Files. The zipped file contains either complete application data or application data from the previous day's transactions. The name of each downloaded file identifies its content. The naming convention for complete files for the unlicensed wireless microphone registrations is *a_um.zip* where *a* indicates the content ("a" for applications), *um* indicates the service (unlicensed wireless microphones). The naming convention for daily application files for the unlicensed wireless microphone registrations is *a_um_ddd*.zip where *a* indicates the content ("a" for applications), *um* indicates the service (unlicensed wireless microphones) and *ddd* is the day of the week (sun, mon, tue, wed, thu, fri, sat). For example, *a_um_wed.zip* contains new or changed applications from Wednesday, but is generated and posted on Thursday.

The public access files can be found by going to the "ULS Downloads" section of the ULS home page. Under the "ULS Downloads" section are two hyperlinks – "Databases" and "Daily Transaction Files". The complete data file for applications is created early Sunday morning and posted to the "Databases" section. The daily files are created early Sunday through Saturday mornings and are posted to the "Daily Transaction Files" section. The daily transaction files created on Tuesday contains Monday data; Wednesday contains Tuesday data, Thursday contains Wednesday data, and so on.

Data Files. The dat files produced by unzipping a downloaded file contain a specific type of data (e.g., Registration Data, Entity, Channel, Venue, etc.) and the data is pipe-separated. Each record type starts with a unique 2-character record type code that identifies the data set within each dat file. The last data field within a dat file is not followed by a pipe("|").

Using the Data. Data can be joined whenever the column name is the same in all tables. The primary column for joining application data is the ULS file number (position 3 of the dat files). In addition to the ULS file number, each application has been assigned a unique, 9-digit system identifier (position 2 of the dat files). This unique system identifier can be used in place of the ULS file number or in conjunction with it.

Each dat file has a name in the form *xx.dat*, where *xx* indentifies the data within the dat file. The table below summarizes the dat files included in each public access download file for the unlicensed wireless microphone registrations. This table shows the hierarchy of the dat files, and which dat files are required (R) or optional (O).

Tables	**Contents**	**Required or Optional**
Hierarchy		
RD	Registration Detail	R
NA	Name and Address Information	R
CH	TV Channel Information	R
VN	Venue Information	R
LL	Latitude and Longitude Coordinates	R
EV	Event Information	R
A4	UM Attachments	O
C1	UM Comments	O

The tables below list the data elements within each dat file for the unlicensed wireless microphone registrations.

REGISTRATION DETAIL		
Position	**Data Element**	**Definition**
1	Record Type **[RD]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Source	char(1)
5	Application Purpose	varchar(2)
6	Application Status	char(1)
7	Radio Service Code	varchar(2)
8	Requesting A Waiver	char(1)
9	At Least six devices on each of the Reserved channels?	char(1)
10	At Least six devices on each of the Other channels?	char(1)
11	Certification for Registration (Yes or No indicator)	char(1)
12	Minimum Number of TV Channels	varchar(2)
13	Maximum Number of TV Channels	varchar(2)
14	Maximum Number of Wireless Microphones	varchar(3)
15	Certifier First Name	varchar(20)
16	Certifier MI	char(1)
17	Certifier Last Name	varchar(20)
18	Certifier Suffix	varchar(3)
19	Certifier Title or Relationship to Registrant	varchar(40)
20	Date Entered	mm/dd/yyyy
21	Receipt Date	mm/dd/yyyy
22	Grant Date	mm/dd/yyyy
23	Expired Date	mm/dd/yyyy
24	Last Action Date	mm/dd/yyyy

NAME AND ADDRESS INFORMATION		
Position	**Data Element**	**Definition**
1	Record Type **[NA]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Entity Type Code (R or C) (**R**egistrant or **C**ontact Info)	varchar(2)
5	FCC Registration Number (FRN)	varchar(10)
6	Entity Name	varchar(200)
7	First Name	varchar(20)
8	MI	char(1)
9	Last Name	varchar(20)
10	Suffix	varchar(3)
11	Attention Line	varchar(35)
12	PO Box	varchar(20)
13	Street Address	varchar(60)
14	City	varchar(20)
15	State	varchar(2)
16	Zip Code	varchar(9)
17	Telephone	varchar(10)
18	Fax	varchar(10)
19	Email	varchar(50)

TV CHANNEL INFORMATION		
Position	**Data Element**	**Definition**
1	Record Type **[CH]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Type of Channel Identifier (R or O) (Reserved[2] or Other[19])	char(1)
5	TV Channel Unique Identifier (unique for each TV channel entered b the registrant)	numeric(9,0)
6	TV Channel Number	varchar(2)
7	TV Channel Sequence Identifier (allows for multiples up to 21) [Reserved: 1-2, Other: 3-21]	integer
8	User Self/Other Indicator (S or O)	char(1)
9	User Sequence Identifier (allows for multiples up to 15) [Self + 14 Others]	integer
10	User Other - Narrative Textbox	varchar(60)
11	Number of Devices	varchar(2)

VENUE INFORMATION		
Position	**Data Element**	**Definition**
1	Record Type **[VN]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Name of Venue	varchar(80)
5	Type of Venue Code (S, T, C, H or O) (**S**tadium/Arena, **T**heater, **C**oncert Hall, **H**ouse of Worship or **O**ther)	char(1)
6	Type of Venue Code Other Description (Narrative Textbox)	varchar(100)
7	Venue Address	varchar(80)
8	Venue City	varchar(20)
9	Venue County/Borough/Parish	varchar(60)
10	Venue State	varchar(2)
11	Venue Zip Code	varchar(9)
12	Venue Type of Location Code (D or A) (**D**iscrete Coordinates or **A**rea defined by 4 points)	char(1)

LATITUDE AND LONGITUDE COORDINATES		
Position	**Data Element**	**Definition**
1	Record Type **[LL]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Coordinates Sequence Identifier (allows for multiples up to 25)	varchar(2)
5	Latitude Degrees	integer
6	Latitude Minutes	integer
7	Latitude Seconds	numeric(3,1)
8	Latitude Direction	char(1)
9	Longitude Degrees	integer
10	Longitude Minutes	integer
11	Longitude Seconds	numeric(3,1)
12	Longitude Direction	char(1)

EVENT INFORMATION		
Position	**Data Element**	**Definition**
1	Record Type **[EV]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Event Type Indicator (S or R) (**S**ingle or Weekly **R**ecurring)	char(1)
5	Event Sequence Identifier	integer
6	Start Date	mm/dd/yyyy
7	End Date	mm/dd/yyyy
8	Start Time (Eastern Time in half hour increments, and accommodate Daylight Savings Time)	hh:mm (AM/PM)
9	End Time (Eastern Time in half hour increments, and accommodate Daylight Savings Time)	hh:mm (AM/PM)
10	Recurring Day Indicator - Sunday	char(1)
11	Recurring Day Indicator - Monday	char(1)
12	Recurring Day Indicator - Tuesday	char(1)
13	Recurring Day Indicator - Wednesday	char(1)
14	Recurring Day Indicator - Thursday	char(1)
15	Recurring Day Indicator - Friday	char(1)
16	Recurring Day Indicator - Saturday	char(1)

UM ATTACHMENTS **(Includes Pleading Type Attachments)**		
Position	**Data Element**	**Definition**
1	Record Type **[A4]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Attachment Code	char(1)
5	Attachment Description	varchar(60)
6	Attachment Date	mm/dd/yyyy
7	Attachment File Name	varchar(60)
8	Action Performed	char(1)

UM COMMENTS **(External Comments Only)**		
Position	**Data Element**	**Definition**
1	Record Type **[C1]**	varchar(2)
2	Registration Unique System Identifier	numeric(9,0)
3	ULS File Number	varchar(14)
4	Comment Date	mm/dd/yyyy
5	Description	varchar(255)
6	Status Code	char(1)
7	Status Date	mm/dd/yyyy

Sample Record

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RD|123456789|0004567890|I|NE|2|UM|Y|Y|Y|Y|2|4|34|Thomas|R|Miller|
Sr.|Chief, IT
Department|03/22/2012|03/22/2012|03/28/2012|03/28/2013|03/29/2012
NA|123456789|0004567890|R|0004187701|Miller and Henley
Company|||||Brian Henley|22|2345 Broadway
Street|Aspers|PA|17304|7175285323|7175282243|bhenley@MHCO.com
NA|123456789|0004567890|C|||Brian|S|Henley||||783 Circle
Dr|Gettysburg|PA|17325|7173385566||bhenley@MHCO.com
CH|123456789|0004567890|R|1|36|1|S|1|3
CH|123456789|0004567890|R|1|36|1|O|2|Subway South Co|3
CH|123456789|0004567890|R|1|36|1|O|3|Motorola Inc|11
CH|123456789|0004567890|R|2|38|2|S|1||4
CH|123456789|0004567890|R|2|38|2|O|2|North Hollywood Cab Co|3
CH|123456789|0004567890|O|1|06|3|S|1|15
CH|123456789|0004567890|O|1|06|3|O|2|City South Communications
Co|2
CH|123456789|0004567890|O|2|19|4|S|1|14
CH|123456789|0004567890|O|2|19|4|O|2|North Broadcast Co|3
CH|123456789|0004567890|O|2|19|4|O|3|West End Marketing Inc|13
VN|123456789|0004567890|NYC Golf Resort|O|Golf Tournament at
Resort|1212 White Plains Rd|New York|Bronx|NY|10451|D
LL|123456789|0004567890|1|40|51|00.1|N|073|51|58.1|W
LL|123456789|0004567890|2|40|51|01.1|N|073|51|57.1|W
LL|123456789|0004567890|3|40|51|02.1|N|073|51|56.1|W
EV|123456789|0004567890|R|1|04/29/2012|05/12/2012|09:00AM|05:00PM
|Y||||||Y
EV|123456789|0004567890|R|2|04/30/2012|05/11/2012|03:00PM|10:00PM
||Y|Y|Y|Y|Y|
A4|123456789|0004567890|W|Waiver Request|03/22/2012|wav.doc|A
C1|123456789|0004567890|03/28/2012|Reviewed and Approved for
Grant. MLB|A|03/28/2012
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