ATTACHMENT E

HOW TO MONITOR THE FCC AUCTIONS ON-LINE

This document describes the following ways to monitor the auction:

- View announcements and round results on your Web browser during the course of Auction 53
- Download round results data files
- View or download files containing the text of auction announcements
- Track the auction using dial-up networking, which can be used in the event your Internet Service Provider (ISP) has malfunctioned.

Conventions

The instructions in this section use the following typographical conventions:

bold   Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic   Represents field names or areas of a screen (e.g., *Location* field, *Selected Licenses* area of a screen).

bold italic   Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://auctions.fcc.gov***, you should type all of the characters exactly as they are printed.

A.   Viewing Announcements and Round Results

1. To access the FCC Automated Auction System, point your Web browser at ***http://auctions.fcc.gov*** and click **Bidding & Results Systems**, then **Auction 53**.

   Alternatively, you can point your Web browser at ***http://auctions2.fcc.gov.***

2. To view auction-related announcements, click **View All Announcements** on the Home tab.

3. Click the **RESULTS** tab at the top of the page to obtain the Round Results page.

4. Click the **Results Explorer** link.

The Results Explorer lets you obtain the results for any preceding round. Using the check box at the bottom, you can limit the results to a specific applicant, and view either the licenses they selected on their Form 175 or the licenses where they are the current high bidder.

5. When you finish specifying your filter criteria, click the **Submit** button to obtain the results.

   This produces the Current Results Set page, which lists the licenses that match your search criteria.

B. Downloading Round Results Files

You may use your Web browser to download round results files, as described in the following sections.

1. Download Procedure

1. Point your Web browser at ***http://auctions.fcc.gov***.

   Alternatively, you can point your Web browser at ***http://auctions2.fcc.gov.***

2. On the Auctions Systems page, click the **Auctions Archives** link.

3. On the Auction Data Archives page, click the link for Auction 53.

   The Index page that appears shows a parent directory that has three subdirectories, or folders. Clicking one of the folder names expands the associated subdirectory to show its contents.

4. For auction round results, click **Results** and then click the subdirectory for the type of files you want to use. Note the following:

   - Subdirectories **ab**, **hb**, **me**, **wd**, **mxref**, and **bxref** provide text (*txt)* and dBASE database (*dbf)* files containing the All Bids, High Bids, Maximum Eligibility, Withdrawals, Market Cross Reference, and Bidder Cross Reference tables, respectively.

   - Subdirectory **zip** has a *zipped* file containing the round results text (*txt*) files from the **ab**, **hb**, **me**, and **wd** subdirectories.

5. Click the file you want to download.

6. If you clicked a text (*txt)* file, it will open in your browser and you can save it to a local disk drive, if desired. If you clicked a database (*dbf*) or *zipped* file, the system will ask whether you want to open the file or download it.

2.   Naming Conventions For Round Results Files

Note: The naming conventions described in this section also apply to the Mock Auction. The only difference is, the Mock Auction is numbered 74 whereas the real auction is numbered 53.

For each round, dBase-compatible database files will be uploaded with the following naming conventions (where *xxx* represents the round number):

- 53_*xxx*s.dbf contains all bids submitted in a particular round
- 53_*xxx*w.dbf contains all bids withdrawn in a particular round
- 53_*xxx*e.dbf contains the maximum eligibility and remaining number of waivers for each bidder
- 53_*xxx*h.dbf contains the high bids in a particular round and the minimum accepted bids for the next round

We will also upload the following files, which are created only once, prior to the start of the auction:

- 53_xref.dbf contains bidder cross reference data
- 53_mref.dbf contains market cross reference data

For those who cannot use the dBase-compatible database files, we will also upload the ASCII text (.txt) version of these files with the same filenames as above (e.g., 53_ *xxx*s.txt, 53_*xxx*e.txt). We also provide these text files in a zipped file with a name of the form RR_053_ *xxx*.zip.

In addition, if you want to use Microsoft Access or you are using the FCC-provided Auction Tracking Tool (ATT), we upload the MDB access version of the round results files as a zipped file with a name of the form 53_ *xxx*.zip.

File Formats: For a description of the internal formats of the round results files, refer to *Round Results File Formats* at the end of this document.

C.   Accessing Auction Announcements

You may use your Web browser to view or download announcements, as described in the following sections.

1. Access Procedure

1. Point your Web browser at ***http://auctions.fcc.gov***.

   Alternatively, you can point your Web browser at ***http://auctions2.fcc.gov.***

2. On the Auctions Systems page, click the **Auctions Archives** link.

3. On the Auction Data Archives page, click the link for Auction 53.

   The Index page that appears shows a parent directory that has three subdirectories, or folders. Clicking one of the folder names expands the associated subdirectory to show its contents.

4. Click **Announcements**.

5. Click the file you want to download.

   Template File for Importing Bids: The file *template.txt* is a template that can be modified as desired and used to select a group of bids simultaneously, by importing them in a file.

6. The file will open in your browser and you can save it to a local disk drive, if desired.

2. Naming Conventions For Announcement Files

The announcement files will use the naming convention *aa_xxx.nnn,* where *aa* is the auction number, *xxx* is the round number and *nnn* is the announcement number. For example, 53_002.007 would represent an announcement for Auction 53 that was posted during round two and was the seventh announcement for the auction.

D. Tracking the Auction via the FCC Wide Area Network

To participate as a bidder in an FCC auction or view the auction's announcements and round results, the FCC recommends accessing the FCC Automated Auction System via the Internet. As a contingency, you may access the FCC Automated Auction System via the FCC Wide Area Network.

1.   Minimum Hardware and Software Requirements

The following hardware and software, at a minimum, are required to use the FCC Bidding System:

- CPU: Pentium 133 or above
- RAM: 32 MB (64 MB recommended)
- Monitor: VGA or above
- Mouse or other pointing device
- Operating System: Microsoft® Windows™ 95™, 98™, 2000™, ME™, NT™, XP™
- Web Browser, either of the following:

  ♦ Microsoft® Internet Explorer 4.0 or higher (recommended). Your browser must have either Microsoft VM or Java Plug-In Version 1.3.1_08 installed.
  ♦ Netscape® Communicator™ 4.0 or higher, with Java Plug-In Version 1.3.1_08.

  Java Plug-In Version 1.3.1_08 is available for downloading at
  http://java.sun.com/products/archive/index.html

In addition, users accessing the FCC Auctions Bidding System via the FCC's Wide Area Network will need:

- Modem: 28.8 Kbps Hayes© compatible modem or faster (56 Kbps recommended)
- Point-to-Point Protocol (PPP) Dialer: Use the Dial-Up Networking feature included with the operating system

2.   Connecting to the FCC Wide Area Network

To connect to the FCC Wide Area Network, you must use Dial-Up Networking. Dial-Up Networking establishes a point-to-point connection from your PC to the FCC Network. *This point-to-point connection is not routed through the Internet*.

To access the FCC Automated Auction System, configure your dial-up network to dial either ***202-408-7835*** or ***717-338-0735***. These phone numbers are located in Washington, DC, and Gettysburg, PA, respectively. Thus, calls to these numbers may be long-distance calls, depending on where the calls originate. When you have finished, exit your Web browser, then disconnect from the FCC Network.

E.   Round Results File Formats

This section describes the formats for the round results files that will be uploaded to the FCC Internet site after each round of the auction. There are three sets of results files. The first set of

files is in Microsoft Access 97 mdb format and contains the data tables for the FCC Auction Tracking Tool. The other files are in dbf and txt format and contain the raw output of the auction data.

1.   Auction Tracking Tool File Format

There will be a single Auction Tracking Tool *.zip* file for each round of the auction. The following layout describes the tables and fields within the mdb round file. The mdb files are for use with the FCC Auction Tracking Tool.

a.   All Bids table

Field	Type
Auction ID	Number(Long Integer)
Round	Number(Long Integer)
License Name	Text(15)
Market	Text(6)
Block	Text(2)
Submarket	Number(Long Integer)
Bidder	Text(50)
Increments of Bid	Number(Long Integer)
Gross Bid Amount	Currency
Net Bid Amount	Currency
Date	Text(10)
Random No	Text(30)

b.   Bidders table

Field	Type
Auction ID	Number(Long Integer)
Round	Number(Long Integer)
Bidder	Text(50)
FCC Acct	Text(10)
Bidding Credit	Number(Single)
Initial Eligibility	Number(Long Integer)
Current Eligibility	Number(Long Integer)
Change in Eligibility	Number(Long Integer)
Waiver Type	Text(4)
New Bids	Number(Long Integer)
Gross Bids	Currency
Net Bids	Currency
Total High Bids	Number(Long Integer)
Gross High Bids	Currency
Net High Bids	Currency
Current Activity	Number(Long Integer)

Additional Activity Required Number(Long Integer)
Unused Elig   Number(Long Integer)
Waivers Remaining   Number(Long Integer)
Withdrawals Remaining   Number(Long Integer)

c.   Bidders Raising Own High Bid table

Auction ID   Number(Long Integer)
Round   Number(Long Integer)
License Name   Text(15)
Major Grouping   Text(6)
Minor Grouping   Text(6)
Block   Text(2)
Submarket   Number(Long Integer)
Bidder   Text(50)
Increments of Bid   Number(Long Integer)
Gross Bid Amount   Currency
Net Bid Amount   Currency
Date   Text(10)

d.   Bidders Who Reduced table

Auction ID   Number(Long Integer)
Round   Number(Long Integer)
Bidder Who Reduced   Text(50)
Reduction Amt   Number(Long Integer)
Current Eligibility   Number(Long Integer)

e.   Increment Statistics table

Auction ID   Number(Long Integer)
Round   Number(Long Integer)
1   Number(Long Integer)
2   Number(Long Integer)
3   Number(Long Integer)
4   Number(Long Integer)
5   Number(Long Integer)
6   Number(Long Integer)
7   Number(Long Integer)
8   Number(Long Integer)
9   Number(Long Integer)

f.   Markets table

Auction ID	Number(Long Integer)
Round	Number(Long Integer)
License Name	Text(15)
Major Grouping	Text(6)
Minor Grouping	Text(6)
Block	Text(2)
Submarket	Number(Long Integer)
License Size (MHz)	Number(Double)
Market Name	Text(50)
BUs	Number(Long Integer)
Population	Number(Long Integer)
Number of Bids	Number(Long Integer)
High Bidder	Text(50)
Round of High Bid	Number(Long Integer)
Increments of Bid	Number(Long Integer)
Gross	Currency
Bidding Credit	Number(Single)
Net	Currency
Date	Text(10)
Min Acceptable Bid	Currency
Bid Increment	Currency
Prev High Bidder	Text(50)
Round of Prev High Bid	Number(Long Integer)
Prev Gross	Currency
Prev Bidding Credit	Number(Single)
Prev Net	Currency
Selected	Number(Long Integer)
All Selected	Number(Long Integer)
License ID	Number(Long Integer)

g.   Round Statistics table

Auction ID	Number(Long Integer)
Round	Number(Long Integer)
Round Date	Text(11)
Stage	Number(Long Integer)
New Bids	Number(Long Integer)
Total High Bids	Number(Long Integer)
Pctg of BUs for All Bids	Number(Single)
Pctg of BUs for High Bids	Number(Single)
Gross Bids	Currency
Net Bids	Currency
Dollar Change in Net Bids	Currency

Pctg Change in Net Bids	Number(Single)
Eligible Bidders	Number(Long Integer)
Bidders At Risk	Number(Long Integer)
Number Reduced	Number(Long Integer)
BUs Reduced	Number(Double)
Eligibility Ratio	Number(Single)
Pctg of Covered BUs	Number(Single)
Waivers	Number(Long Integer)
Withdrawals	Number(Long Integer)
FCC Held Licenses	Number(Long Integer)
Pctg of Covered Pops	Number(Single)
Pctg of the Covered Pops with Bidding Credit	Number(Single)

h. Waiver Statistics table

Auction ID	Number(Long Integer)
Round	Number(Long Integer)
Bidder	Text(50)
Waiver Type	Text(1)
Remaining Waivers	Number(Long Integer)

i. Withdrawal Statistics table

Auction ID	Number(Long Integer)
Withdrawal Number	Number(Long Integer)
Bidder	Text(50)
License Name	Text(15)
Market	Text(6)
Block	Text(2)
Submarket	Number(Long Integer)
BUs	Number(Long Integer)
Population	Number(Long Integer)
Round	Number(Long Integer)
Gross	Currency
Net	Currency
Date	Text(10)
Min Bid	Currency
New High Bidder	Text(50)
New High Bid Round	Number(Long Integer)
Gross High Bid	Currency
Net High Bid	Currency

2.   Round Results File Format

The round results files were used by the previous Excel based tracking tool produced by the FCC and are still being distributed for those bidders who use them for their own tracking purposes. The following layouts are for the dbf files. The txt files will have character field types.

a.   ALL_BIDS file

service_code	char(2)
market	char(6)
freq_block	char(2)
round_num	numeric
bid_amt	numeric
bidder_num	numeric
fcc_acct	char(10)
date	char(10)
net_bid_amt	numeric
sort_col_1	numeric
sort_col_2	numeric
sub_market	numeric
random_num	double

b.   HIGH_BIDS file

service_code	char(2)
market	char(6)
freq_block	char(2)
bid_round	numeric
bid_amt	numeric
bidder_num	numeric
fcc_acct	char(10)
date	char(10)
net_bid_amt	numeric
min_accept	numeric
min_bid_incr_2	double
num_of_bids	numeric
sort_col_1	numeric
sort_col_2	numeric
sub_market	numeric

c.   MAXIMUM_ELIGIBILITY file

round_num	numeric
bidder_num	numeric
fcc_acct	char(10)
max_elig	numeric
rmng_waivr	numeric
waivr_ind	char(1)
rmng_withdrawals	numeric
required_act	numeric
current_act	numeric

d.   WITHDRAWALS file

service_code	char(2)
market	char(6)
freq_block	char(2)
bid_round	numeric
bid_amt	numeric
bidder_num	numeric
fcc_acct	char(10)
date	char(10)
net_bid_amt	numeric
sort_col_1	numeric
sort_col_2	numeric
sub_market	numeric

e.   BIDDER_CROSS_REFERENCE file

bidder_num	numeric
fcc_acct	char(10)
co_name	char(50)
bidding_credit_pctg	numeric

f.   MARKET_CROSS_REFERENCE file

license_name	char(15)
market	char(6)
freq_block	char(2)
sub_market	numeric

```
bandwidth_mhz double
market_desc          char(50)
bid_units            int
population           int
```

3.   Results Explorer Export File Format

The Results Explorer provides an option to export a comma-delimited text file. The Export file contains the following data elements, in order:

- Service Code
- Market
- Block/Channel (has the value **0**, because this auction does not use block/channel)
- Submarket (has the value **0**, because this auction does not use submarkets)
- Bid increment (default value = **1**, which selects minimum acceptable bid)
- Round number
- Company name (set to **FCC** if no bid has been placed on this license)
- Standing high bid at the end of the selected round, in dollars
- Minimum acceptable bid for the round that follows the selected round, in dollars
- Bid increment for the round that follows the selected round. The bid increment is used to determine acceptable bid amount values 2 through 9.

For example, the following entry contains data for the license DV-DMA107-0 based on the round results from Round 1:

DV-DMA107-0-0,1,1,Acme Co.,3300,3800,500

This entry shows that the standing high bid in Round 1 was $3300 and that the minimum acceptable bid amount in Round 2 is $3800, a bid increment of $500.

F.   Help

For technical assistance with using FCC software, contact the FCC Technical Support Hotline at (202) 414-1250 (V) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is generally available Monday through Friday from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*