



PUBLIC NOTICE

Federal Communications Commission
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Washington, DC 20554

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DA 01-1592
July 9, 2001

NARROWBAND PCS SPECTRUM AUCTION SCHEDULED FOR OCTOBER 3, 2001

Notice and Filing Requirements, Minimum Opening Bids, Upfront Payments and Other Procedural Issues

Report No. AUC-01-41-C (Auction No. 41)

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I. GENERAL INFORMATION

A. Introduction

By this public notice, the Wireless Telecommunications Bureau (“Bureau”) announces the procedures and minimum opening bids for the upcoming auction of Personal Communications Services (“PCS”) licenses in the 900 MHz band (“Narrowband PCS”), scheduled for October 3, 2001 (Auction No. 41). On June 12, 2001, in accordance with the Balanced Budget Act of 1997,¹ the Bureau released a public notice seeking comment on reserve prices or minimum opening bids and the procedures to be used in Auction No. 41.² In addition, on June 21, 2001, the Bureau released a public notice³ that corrected Attachment A of the *Auction No. 41 Comment Public Notice*. The Bureau received one comment⁴ in response to the *Auction No. 41 Comment Public Notice* and one comment⁵ in response to the *Auction No. 41 Correction Public Notice*. No reply comments were submitted.

1. Background of Proceeding

In the *PCS First Report and Order*, the Commission provided for the operation of narrowband PCS in three one-megahertz blocks in the 900 MHz band.⁶ The Commission broadly defined PCS as mobile and fixed communications offerings that serve individuals and businesses and that can be integrated with a variety of competing networks.⁷ The Commission also adopted a spectrum allocation and channelization plan, licensing rules, and technical standards for narrowband PCS.⁸ In the *Competitive Bidding Second Report and Order*, the Commission determined that, pursuant to Section 309(j) of the Communications Act of 1934, as amended, PCS is subject to competitive bidding in the case of mutually exclusive

¹ Balanced Budget Act of 1997, Pub. L. No. 105-33, 111 Stat. 251, § 3002(a) (1997) (codified at 47 U.S.C. § 309(j)(4)(F)) (“Balanced Budget Act”). The Commission’s authority to establish a reserve price or minimum opening bid is set forth in 47 C.F.R. § 1.2104(c) and (d).

² See *Narrowband PCS Spectrum Auction Scheduled for October 3, 2001; Comment Sought on Reserve Prices or Minimum Opening Bids and Other Auction Procedural Issues, Public Notice*, DA 01-1400 (rel. June 12, 2001) (“*Auction No. 41 Comment Public Notice*”).

³ See *Correction to Attachment A, Narrowband PCS Spectrum Auction Scheduled for October 3, 2001, Revised Upfront Payment, Bidding Unit Amounts, and Minimum Opening Bids for Nationwide Licenses and Licenses in MTA 017, Public Notice*, (rel. June 21, 2001) (“*Auction No. 41 Correction Public Notice*”) 66 Fed. Reg. 34680 (June 29, 2001). This *Public Notice* provided corrected population figures, and revised the proposed upfront payments, bidding unit amounts, and minimum opening bids for the eight (8) nationwide licenses and seven (7) licenses available in one Major Trading Area (“MTA”), MTA017.

⁴ See *Comments of Moir & Hardman*, filed June 25, 2001, (“*Moir & Hardman Comments*”).

⁵ See *Comments of Space Data Corporation*, filed July 2, 2001, (“*Space Data Comments*”).

⁶ Amendment of the Commission’s Rules to Establish New Narrowband Personal Communications Services, GEN Docket No. 90-314, ET Docket No. 92-100, *First Report and Order*, 8 FCC Rcd 7162 (1993) (“*PCS First Report and Order*”), *on recon, Memorandum Opinion and Order*, 9 FCC Rcd 1309 (1994).

⁷ *Id.* at 8 FCC Rcd 7164, ¶ 13.

⁸ *PCS First Report and Order*, 8 FCC Rcd at 7164-71, ¶¶ 15-37, 39-54.

applications.⁹ The Commission also established competitive bidding rules specifically for narrowband PCS.¹⁰

Subsequently, in the *Narrowband Second Report and Order and Second Further Notice of Proposed Rule Making*, the Commission adopted modifications to its service rules for narrowband PCS.¹¹ Specifically, the Commission: (i) adopted Major Trading Areas (“MTAs”) for future licensing of narrowband PCS; (ii) eliminated the restriction, which only applied to 100 kilohertz of the 3 megahertz blocks allocated for narrowband PCS, that limited eligibility for acquiring narrowband PCS response channels to existing paging licensees; (iii) modified the construction and minimum coverage requirement for narrowband PCS spectrum by allowing licensees to meet a “substantial service” alternative; (iv) adopted Subpart Q of Part 1 of the Commission rules to apply to narrowband PCS; and (v) eliminated the narrowband PCS spectrum aggregation limit, finding that it is not necessary to prevent an undue concentration of licenses.¹² In the *Third Narrowband Report and Order and Order on Reconsideration*, the Commission modified its channel band plan to allow for the licensing of narrowband PCS spectrum for 8 nationwide licenses and seven licenses in each of the 51 MTAs.¹³ Further, the Commission channelized and licensed the one megahertz of narrowband spectrum that had been held in reserve and re-channelized 712 kilohertz of previously channelized spectrum for which licenses had not been auctioned.¹⁴ With that action, the Commission resolved the remaining issues concerning narrowband PCS in preparation for auctioning licenses for the remaining narrowband PCS spectrum.¹⁵

2. Licenses to Be Auctioned

The licenses available in Auction No. 41 include 365 Personal Communications Service (PCS) licenses in the 900 MHz band (“narrowband PCS”). Eight (8) licenses will be offered on a nationwide basis and

⁹ Implementation of Section 309(j) of the Communications Act – Competitive Bidding, PP Docket 93-253, *Second Report and Order*, 9 FCC Rcd 2348-2358, ¶¶ 54-58 (1994) (“*Competitive Bidding Second Report and Order*”). In the Balanced Budget Act of 1997, Congress amended Section 309(j) to expand the Commission’s auction authority and statutory mandate. The Commission is now required to assign initial licenses by competitive bidding whenever mutually exclusive applications are accepted for filing, with certain limited exceptions. Balanced Budget Act of 1997, Pub. L. No. 105-33, Title II, 111 Stat. 251 (1997).

¹⁰ Implementation of Section 309(j) of the Communication Acts – Competitive Bidding, PP Docket No. 93-253, *Third Report and Order*, 9 FCC Rcd 2941, 2944-79, ¶¶ 9-89 (1994).

¹¹ See Amendment of the Commission’s Rules to Establish New Personal Communications Services, Narrowband PCS, GEN Docket No. 90-314, ET Docket No. 92-100, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, Narrowband PCS, PP Docket No. 93-253, *Second Report and Order and Second Further Notice of Proposed Rulemaking*, 15 FCC Rcd 10456 (2000) (“*Narrowband Second Report and Order and Second Further Notice of Proposed Rule Making*”).

¹² *Id.* at 15 FCC Rcd 10458-59.

¹³ See Amendment of the Commission’s Rules to Establish New Personal Communications Services, GEN Docket No. 90-314, ET Docket No. 92-100, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, Narrowband PCS, PP Docket No. 93-253, *Third Report and Order and Order on Reconsideration*, FCC 01-135 at ¶ 23 (rel. May 3, 2001) (“*Third Narrowband Report and Order and Order on Reconsideration*”).

¹⁴ *Id.* ¶ at 21.

¹⁵ *Third Narrowband Report and Order and Order on Reconsideration* at ¶¶ 1, 28.

seven (7) licenses will be offered in each of 51 Major Trading Areas (MTAs),¹⁶ for a total of 357 MTA licenses. The table below describes the licenses that will be auctioned:

Channel Number	Channel Description	Frequency Bands	Bandwidth (kHz)
Nationwide Licenses			
18	One 100 kHz unpaired channel	940.65 – 940.75 MHz	100 kHz
19	One 50 kHz/50 kHz paired channel	901.3 – 901.35, 930.5 – 930.55 MHz	100 kHz
20	One 50 kHz/50 kHz paired channel	901.9 – 901.95, 930.75 – 930.8 MHz	100 kHz
21	One 50 kHz/150 kHz paired channel	901.5 – 901.55, 930 – 930.15 MHz	200 kHz
22	One 50 kHz/150 kHz paired channel	901.6 – 901.65, 930.15 – 930.3 MHz	200 kHz
23	One 50 kHz/100 kHz paired channel	901.45 – 901.5, 940.55 – 940.65 MHz	150 kHz
24	One 50 kHz/100 kHz paired channel	901.55 – 901.6, 940.3 – 940.4 MHz	150 kHz
25	One 50 kHz/100 kHz paired channel	901.85 – 901.9, 940.45 – 940.55 MHz	150 kHz
Nationwide Subtotal			1,150 kHz
MTA Licenses			
26	One 50 kHz unpaired channel	901.35 – 901.4 MHz	50 kHz
27	One 50 kHz unpaired channel	901.4 – 901.45 MHz	50 kHz
28	One 50 kHz unpaired channel	940.4 – 940.45 MHz	50 kHz
*29	One 50 kHz/50 kHz paired channel	901.95 – 902.0, 930.8 – 930.85 MHz	100 kHz
30	One 50 kHz/100 kHz paired channel	901.65 – 901.7, 930.3 – 930.4 MHz	150 kHz
*31	One 50 kHz/150 kHz paired channel	901.7 – 901.75, 930.85 – 931 MHz	200 kHz
*32	One 12.5 kHz/100 kHz paired channel	901.8375 – 901.85, 940.9 – 941 MHz	112.5 kHz
MTA Subtotal			712.5 kHz
Grand Total			1,862.5 kHz

*Narrowband PCS channels 29, 31, and 32 in MTA002 (Los Angeles-San Diego) will be available subject to protection of incumbent licenses held by Paging Systems, Inc. under call signs WPOI469, WPOI470, WPOI471, and WPOI472. See *In the Matter of License Communications Services, Inc. et al., Memorandum Opinion and Order*, 12 FCC Rcd 16,436 (1998).

B. Rules and Disclaimers

1. Relevant Authority

Prospective bidders must familiarize themselves thoroughly with the Commission’s rules relating to the narrowband services, contained in Title 47, Part 24 and Part 90 of the Code of Federal Regulations, and

¹⁶ MTAs are based on the Rand McNally 1992 Commercial Atlas & Marketing Guide, 123rd Edition, at pages 38-39 (MTA Map). Rand McNally & Company has authorized interested parties to use MTAs under a blanket license agreement, which covers certain services, including narrowband PCS. Rand McNally organizes the 50 States and District of Columbia into 47 MTAs. For PCS licensing purposes, we adopted service areas that separated Alaska from the Seattle MTA and added five insular areas: Puerto Rico, U.S. Virgin Islands, Guam, Northern Mariana Islands and American Samoa. The MTA map is available for public inspection in the FCC’s Library, Room TW-B505, 445 12th Street SW, Washington, D.C.

those relating to application and auction procedures, contained in Title 47, Part 1 of the Code of Federal Regulations.

Prospective bidders must also be thoroughly familiar with the procedures, terms and conditions (collectively, “terms”) contained in this Public Notice; the *Auction No. 41 Comment Public Notice*; the *Part 1 Fifth Report and Order* (as well as prior Commission proceedings regarding competitive bidding procedures);¹⁷ the *Narrowband PCS R&O/Further Notice*;¹⁸ the *Narrowband Second Report and Order and Second Further Notice of Proposed Rule*;¹⁹ and the *Third Narrowband Report and Order and Order on Reconsideration*.²⁰

The terms contained in the Commission’s rules, relevant orders, and public notices are not negotiable. The Commission may amend or supplement the information contained in our public notices at any time, and will issue public notices to convey any new or supplemental information to bidders. It is the responsibility of all prospective bidders to remain current with all Commission rules and with all public notices pertaining to this auction. Copies of most Commission documents, including public notices, can be retrieved from the FCC Internet node via anonymous ftp at <ftp://fcc.gov> or the FCC Auctions World Wide Web site at <http://www.fcc.gov/wtb/auctions>. Additionally, documents may be obtained for a fee by calling the Commission’s copy contractor, International Transcription Service, Inc. (“ITS”), at (202) 314-3070. When ordering documents from ITS, please provide the appropriate FCC number (for example, FCC 01-135 for the *Third Narrowband Report and Order and Order on Reconsideration*).

2. Prohibition of Collusion

To ensure the competitiveness of the auction process, the Commission’s rules prohibit applicants for the same geographic license area from communicating with each other during the auction about bids, bidding strategies, or settlements.²¹ Note that in Auction No. 41, applicants that apply to bid for a nationwide license would be precluded from communicating with all other applicants. This prohibition begins at the short-form application filing deadline and ends at the down payment deadline after the auction. Bidders competing for licenses in the same geographic license areas are encouraged not to use the same individual as an authorized bidder. A violation of the anti-collusion rule could occur if an individual acts as the authorized bidder for two or more competing applicants, and conveys information concerning the substance of bids or bidding strategies between the bidders he or she is authorized to represent in the auction. Also, if the authorized bidders are different individuals employed by the same organization (e.g., law firm or consulting firm), a violation could similarly occur. In such a case, at a minimum,

¹⁷ Amendment of Part 1 of the Commission’s Rules—Competitive Bidding Procedures, WT Docket No. 97-82, *Order on Reconsideration of the Third Report and Order, Fifth Report and Order, and Fourth Further Notice of Proposed Rule Making*, 15 FCC Rcd 15293 (2000) (“*Part 1 Fifth Report and Order*”).

¹⁸ Amendment of the Commission’s Rules to Establish New Personal Communications Services, Narrowband PCS, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, Narrowband PCS, GEN Docket No. 90-314, ET Docket No. 92-100, PP Docket No. 93-253, *Report and Order and Further Notice of Proposed Rule Making*, 12 FCC Rcd 12972 (1997) (“*Narrowband R&O/Further Notice*”).

¹⁹ See *Narrowband Second Report and Order and Second Further Notice of Proposed Rule Making*, *supra* at footnote 11.

²⁰ See *Third Narrowband Report and Order and Order on Reconsideration*, *supra* at footnote 13.

²¹ See *Part 1 Fifth Report and Order*, at ¶¶ 7-8; see also 47 C.F.R. § 1.2105.

applicants should certify on their applications that precautionary steps have been taken to prevent communication between authorized bidders and that applicants and their bidding agents will comply with the anti-collusion rule.²²

However, the Bureau cautions that merely filing a certifying statement as part of an application will not outweigh specific evidence that collusive behavior has occurred, nor will it preclude the initiation of an investigation when warranted.²³ The Commission's anti-collusion rules allow applicants to form certain agreements during the auction, provided the applicants have not applied for licenses covering the same geographic areas. If parties agree in principle on all material terms prior to the short-form filing deadline, those parties must be identified on the short-form application pursuant to Section 1.2105(c), even if the agreement has not been reduced to writing. If the parties have not agreed in principle by the filing deadline, an applicant would not include the names of those parties on its application, and may not continue negotiations with other applicants for licenses covering the same geographic areas.²⁴ By signing their FCC Form 175 short-form applications, applicants are certifying their compliance with Section 1.2105(c).

In addition, Section 1.65 of the Commission's rules requires an applicant to *maintain* the accuracy and completeness of information furnished in its pending application and to notify the Commission within 30 days of any substantial change that may be of decisional significance to that application.²⁵ Thus, Section 1.65 requires an auction applicant to notify the Commission of any violation of the anti-collusion rules upon learning of such violation. Bidders therefore are required to make such notification to the Commission immediately upon discovery.

A summary listing of documents from the Commission and the Bureau addressing the application of the anti-collusion rules may be found in Attachment H.

3. Due Diligence

Potential bidders are advised that there is one incumbent licensee already licensed and operating in MTA002 on channels that will be subject to the upcoming auction. Specifically, narrowband PCS channels 29, 31, and 32 in MTA002 (Los Angeles-San Diego) will be available subject to protection of currently operational incumbent licenses held by Paging Systems, Inc. under the following call signs:

WPOI469 930.80 - 930.85 MHz (channel 29)
WPOI470 940.95 - 940.975 MHz (channel 32)
WPOI471 940.90 - 940.95 MHz (channel 32)
WPOI472 930.90 - 930.95 MHz (channel 31)²⁶

²² See *In re Application of Nevada Wireless for a License to Provide 800 MHz Specialized Mobile Radio Service in the Farmington, NM-CO Economic Area (EA-155) Frequency Band A*, *Memorandum Opinion and Order*, 13 FCC Rcd. 11973, 11977 ¶ 11 (1998) (“*Nevada Wireless*”).

²³ See *id.*, at 11978.

²⁴ See “Wireless Telecommunications Bureau Clarifies Spectrum Auction Anti-Collusion Rules,” *Public Notice*, 11 FCC Rcd 9645 (1995).

²⁵ See 47 C.F.R. § 1.65.

²⁶ See *In the Matter of License Communications Services, Inc., South Bay Regional Public Communications Authority, and Paging Systems Inc.*, *Memorandum Opinion and Order*, 13 FCC Rcd 23781, 23794 ¶ 30 (1998).

MTA licensees must protect such incumbents from harmful interference.²⁷ These limitations will restrict the ability of such MTA licensees to use the above-referenced channels in portions of MTA002.

In addition, potential bidders seeking licenses for MTAs that border Canada or Mexico will be subject to on-going coordination arrangements with those respective countries.²⁸ Potential bidders are also subject to the Interim Sharing Arrangement with Canada for the Bands 901-902 MHz, 930-931 MHz, and 940-941 MHz and to any restrictions that arise from future agreements with Canada or Mexico.²⁹

Potential bidders also should be aware that certain applications (including those for modification), petitions for rulemaking, requests for special temporary authority (“STA”) waiver requests, petitions to deny, petitions for reconsideration, and applications for review may be pending before the Commission and relate to particular applicants or incumbent licensees. In addition, certain decisions reached in the narrowband proceeding may be subject to judicial appeal and may be the subject of additional reconsideration or appeal.³⁰ We note that resolution of these matters could have an impact on the availability of spectrum in Auction No. 41. In addition, although the Commission will continue to act on pending applications, requests and petitions, some of these matters may not be resolved by the time of the auction.

Potential bidders are solely responsible for identifying associated risks and for investigating and evaluating the degree to which such matters may affect their ability to bid on, otherwise acquire, or make use of licenses available in Auction No. 41.

Potential bidders may obtain information about licenses available in Auction No. 41 through the Bureau’s licensing databases on the World Wide Web at <http://www.fcc.gov/wtb/uls>. Potential bidders should direct questions regarding the search capabilities to the FCC Technical Support hotline at (202) 414-1250 (voice) or (202) 414-1255 (TTY), or via e-mail at ulscomm@fcc.gov. The hotline is available to assist with questions Monday through Friday, from 7:00 AM to 10:00 PM ET, Saturday, 8:00 AM to 7:00 PM ET, and Sunday, 12:00 noon to 6:00 PM ET. In order to provide better service to the public, *all calls to the hotline are recorded*. The Commission makes no representations or guarantees regarding the accuracy or completeness of information in its databases or any third party databases, including, for example, court docketing systems. Furthermore, the Commission makes no representations or guarantees regarding the accuracy or completeness of information that has been provided by incumbent licensees and incorporated into the database. Potential bidders are strongly encouraged to physically inspect any sites located in, or near, the MTA for which they plan to bid.

(“*Paging Systems MO&O*”). The exact location of Paging System Inc’s transmitters can be found in the Federal Communications Commission’s Universal Licensing System under the designated call signs.

²⁷ See *Paging Systems MO&O* at 23794 ¶ 30.

²⁸ See 47 C.F.R. § 24.129 note 1. Current agreements between the United States and Canada or Mexico may be found on the Commission’s website under <http://www.fcc.gov/ib/pnd/agree/welcome.html>.

²⁹ See *Public Notice*, “Canadian Interim Sharing Arrangement for Narrowband PCS,” DA 94-1183 (rel. Oct. 21, 1994) (*Canadian Interim Sharing Arrangement Public Notice*).

³⁰ See footnotes nos. 11 and 13.

4. Bidder Alerts

All applicants must certify on their FCC Form 175 applications under penalty of perjury that they are legally, technically, financially and otherwise qualified to hold a license, and not in default on any payment for Commission licenses (including down payments) or delinquent on any non-tax debt owed to any Federal agency.³¹ Prospective bidders are reminded that submission of a false certification to the Commission is a serious matter that may result in severe penalties, including monetary forfeitures, license revocations, exclusion from participation in future auctions, and/or criminal prosecution.

The FCC makes no representations or warranties about the use of this spectrum for particular services. Applicants should be aware that a FCC auction represents an opportunity to become a FCC licensee in this service, subject to certain conditions and regulations. A FCC auction does not constitute an endorsement by the FCC of any particular services, technologies or products, nor does a FCC license constitute a guarantee of business success. Applicants and interested parties should perform their own due diligence before proceeding, as they would with any new business venture.

As is the case with many business investment opportunities, some unscrupulous entrepreneurs may attempt to use Auction No. 41 to deceive and defraud unsuspecting investors. Common warning signals of fraud include the following:

- The first contact is a “cold call” from a telemarketer, or is made in response to an inquiry prompted by a radio or television infomercial.
- The offering materials used to invest in the venture appear to be targeted at IRA funds, for example, by including all documents and papers needed for the transfer of funds maintained in IRA accounts.
- The amount of investment is less than \$25,000.
- The sales representative makes verbal representations that: (a) the Internal Revenue Service (“IRS”), Federal Trade Commission (“FTC”), Securities and Exchange Commission (“SEC”), FCC, or other government agency has approved the investment; (b) the investment is not subject to state or federal securities laws; or (c) the investment will yield unrealistically high short-term profits. In addition, the offering materials often include copies of actual FCC releases, or quotes from FCC personnel, giving the appearance of FCC knowledge or approval of the solicitation.

Information about deceptive telemarketing investment schemes is available from the FTC at (202) 326-2222 and from the SEC at (202) 942-7040. Complaints about specific deceptive telemarketing investment schemes should be directed to the FTC, the SEC, or the National Fraud Information Center at (800) 876-7060. Consumers who have concerns about specific proposals regarding Auction No. 41 may also call the FCC Consumer Center at (888) CALL-FCC ((888) 225-5322).

5. National Environmental Policy Act (“NEPA”) Requirements

Licensees must comply with the Commission’s rules regarding the National Environmental Policy Act (NEPA).³² The construction of a wireless antenna facility is a federal action and the licensee must

³¹ See 47 C.F.R. § 1.2105.

³² See 47 C.F.R. Ch. 1, Subpart I.

comply with the Commission's NEPA rules for each such facility.³³ The Commission's NEPA rules require, among other things, that the licensee consult with expert agencies having NEPA responsibilities, including the U.S. Fish and Wildlife Service, the State Historic Preservation Office, the Army Corp of Engineers and the Federal Emergency Management Agency (through the local authority with jurisdiction over floodplains). The licensee must prepare environmental assessments for facilities that may have a significant impact in or on wilderness areas, wildlife preserves, threatened or endangered species or designated critical habitats, historical or archaeological sites, Indian religious sites, floodplains, and surface features. The licensee must also prepare environmental assessments for facilities that include high intensity white lights in residential neighborhoods or excessive radio frequency emission.

C. Auction Specifics

1. Auction Date

The auction will begin on Wednesday, October 3, 2001. The initial schedule for bidding will be announced by public notice at least one week before the start of the auction. Unless otherwise announced, bidding on all licenses will be conducted on each business day until bidding has stopped on all licenses.

The Commission announces that bidding for Auction No. 41 will be temporarily suspended October 8, 2001, in observance of the federal holiday.

2. Auction Title

Auction No. 41 – Narrowband PCS

3. Bidding Methodology

The bidding methodology for Auction No. 41 will be simultaneous multiple round bidding. Bidding will be permitted only from remote locations, either telephonically or electronically (by computer via the Internet or the Bureau's wide area network).

4. Pre-Auction Dates and Deadlines

Auction Seminar	August 15, 2001
Short-Form Application (FCC FORM 175)	August 24, 2001; 6:00 p.m. ET
Upfront Payments (via wire transfer)	September 13, 2001; 6:00 p.m. ET
Mock Auction	September 28, 2001
Auction Begins	October 3, 2001

5. Requirements For Participation

Those wishing to participate in the auction must:

- Submit a short-form application (FCC Form 175) electronically by 6:00 p.m. ET, August 24, 2001.

³³ See 47 C.F.R. §§ 1.1305-1.1319.

- Submit a sufficient upfront payment and a FCC Remittance Advice Form (FCC Form 159) by 6:00 p.m. ET, September 13, 2001.
- Comply with all provisions outlined in this public notice.

6. General Contact Information

GENERAL AUCTION INFORMATION

General Auction Questions
Seminar Registration

FCC Auctions Hotline
(888) 225-5322, Press Option #2
or direct (717) 338-2888
Hours of service: 8 a.m. – 5:30 p.m. ET

AUCTION LEGAL INFORMATION

Auction Rules, Policies, Regulations

Auctions and Industry Analysis Division
Legal Branch (202) 418-0660

LICENSING INFORMATION

Rules, Policies, Regulations
Licensing Issues
Due Diligence
Incumbency Issues

Commercial Wireless Division
(202) 418-0620

TECHNICAL SUPPORT

Electronic Filing
Automated Auction System

FCC Auctions Technical Support Hotline
(202) 414-1250 (Voice),
(202) 414-1255 (TTY)
Hours of service: Monday through Friday 7 a.m. to 10:00 p.m. ET, Saturday, 8:00 a.m. to 7:00 p.m., Sunday, 12:00 noon to 6:00 p.m.

PAYMENT INFORMATION

Wire Transfers
Refunds

FCC Auctions Accounting Branch
(202) 418-1995
(202) 418-2843 (Fax)

TELEPHONIC BIDDING

Will be furnished only to qualified bidders

FCC COPY CONTRACTOR

Additional Copies of
Commission Documents

International Transcription Services, Inc.
445 12th Street, SW Room CY-B400
Washington, DC 20554
(202) 314-3070

PRESS INFORMATION

Meribeth McCarrick (202) 418-0654

FCC FORMS

(800) 418-3676 (outside Washington, DC)
(202) 418-3676 (in the Washington Area)
<http://www.fcc.gov/formpage.html>

FCC INTERNET SITES

<http://www.fcc.gov>
<http://www.fcc.gov/wtb/auctions>

II. SHORT-FORM (FCC FORM 175) APPLICATION REQUIREMENTS

Guidelines for completion of the short-form (FCC Form 175) are set forth in Attachment D to this public notice. The short-form application seeks the applicant's name and address, legal classification, status, small or very small business bidding credit eligibility, identification of the license(s) sought, the authorized bidders and contact persons. All applicants must certify on their FCC Form 175 applications under penalty of perjury that they are legally, technically, financially and otherwise qualified to hold a license and, as discussed below in Section II.E (Provisions Regarding Defaulters and Former Defaulters), that they are not in default on any payment for Commission licenses (including down payments) or delinquent on any non-tax debt owed to any Federal agency.

A. License Selection

The Bureau has modified Form 175 for Auction No. 41. In Auction No. 41, Form 175 will include a mechanism that allows an applicant to filter the licenses by License Area (Nationwide or MTA), Market, and/or Channel Number to create customized lists of licenses. The applicant will make selections for one or more of the filter criteria and the system will produce a list of licenses satisfying the specified criteria. The applicant may apply for all the licenses in the customized list by using the "Save all filtered licenses" option; select and save individual licenses separately from the list; or create a second customized list without selecting any of the licenses from the first list. Applicants also will be able to select licenses from one customized list and then create a second customized list to select additional licenses.

B. Ownership Disclosure Requirements (FCC Form 175 Exhibit A)

All applicants must comply with the uniform Part 1 ownership disclosure standards and provide information required by Sections 1.2105 and 1.2112 of the Commission's rules. Specifically, in completing FCC Form 175, applicants will be required to file an "Exhibit A" providing a full and complete statement of the ownership of the bidding entity. The ownership disclosure standards for the short-form are set forth in Section 1.2112 of the Commission's rules.³⁴

C. Consortia And Joint Bidding Arrangements (FCC Form 175 Exhibit B)

Applicants will be required to identify on their short-form applications any parties with whom they have entered into any consortium arrangements, joint ventures, partnerships or other agreements or understandings which relate in any way to the licenses being auctioned, including any agreements relating to post-auction market structure. *See* 47 C.F.R. §§ 1.2105(a)(2)(viii) and 1.2105(c)(1). Applicants will also be required to certify on their short-form applications that they have not entered into any explicit or implicit agreements, arrangements or understandings of any kind with any parties, other than those identified, regarding the amount of their bids, bidding strategies, or the particular licenses on which they will or will not bid. *See* 47 C.F.R. § 1.2105(a)(2)(ix). As discussed above, if an applicant has had discussions, but has not reached a joint bidding agreement by the short-form deadline, it would not include the names of parties to the discussions on its applications and may not continue discussions with applicants for the same geographic license area(s) after the deadline.³⁵ Where applicants have entered

³⁴ Section 1.2105 requires the disclosure on the short-form of applicant ownership information as set forth in Section 1.2112. Note that both of these sections were revised in the *Part 1 Fifth Report and Order*.

³⁵ *See* Section 1.B.2, above.

into consortia or joint bidding arrangements, applicants must submit an “Exhibit B” to the FCC Form 175.

A party holding a non-controlling, attributable interest in one applicant will be permitted to acquire an ownership interest in, form a consortium with, or enter into a joint bidding arrangement with other applicants for licenses in the same geographic license area provided that (i) the attributable interest holder certifies that it has not and will not communicate with any party concerning the bids or bidding strategies of more than one of the applicants in which it holds an attributable interest, or with which it has formed a consortium or entered into a joint bidding arrangement; and (ii) the arrangements do not result in a change in control of any of the applicants.³⁶ While the anti-collusion rules do not prohibit non-auction related business negotiations among auction applicants, bidders are reminded that certain discussions or exchanges could touch upon impermissible subject matters because they may convey pricing information and bidding strategies.

D. Eligibility

1. Bidding Credit Eligibility (FCC Form 175 Exhibit C)

In the *Narrowband Second Report and Order and Second Further Notice of Proposed Rule Making*, the Commission adopted bidding credits on a “tiered” basis to all small businesses in the narrowband PCS service.³⁷

Bidding credits are available to small and very small businesses, or consortia thereof, (as defined in 47 C.F.R. § 1.2110(c)). A bidding credit represents the amount by which a bidder’s winning bids are discounted.³⁸ The size of the bidding credit depends on the average of the aggregated annual gross revenues for each of the preceding three years of the bidder, its affiliates, its controlling interests, and the affiliates of its controlling interests:

- A bidder with attributed average annual gross revenues of not more than \$40 million for the preceding three years receives a 15 percent discount on its winning bids for narrowband PCS licenses;³⁹
- A bidder with attributed average annual gross revenues of not more than \$15 million for the preceding three years receives a 25 percent discount on its winning bids for narrowband PCS licenses.⁴⁰

Bidding credits are not cumulative; qualifying applicants receive either the 15 percent or the 25 percent bidding credit, but not both.

³⁶ See 47 C.F.R. § 1.2105(c)(4)(i), (ii).

³⁷ See *Narrowband Second Report and Order and Second Further Notice of Proposed Rule Making* at ¶ 44.

³⁸ See 47 C.F.R. § 1.2110(f).

³⁹ See 47 C.F.R. § 1.2110(f).

⁴⁰ See 47 C.F.R. § 1.2110(f).

2. Tribal Land Bidding Credit

To encourage the growth of wireless services in federally recognized tribal lands the Commission has implemented a tribal land bidding credit. *See* Part V.C.

3. Applicability of Part 1 Attribution Rules

Controlling interest standard. On August 14, 2000, the Commission released the *Part 1 Fifth Report and Order*, in which the Commission, *inter alia*, adopted a “controlling interest” standard for attributing to auction applicants the gross revenues of their investors and affiliates in determining small business eligibility for future auctions.⁴¹ The Commission observed that the rule modifications adopted in the various Part 1 orders would result in discrepancies and/or redundancies between certain of the new Part 1 rules and existing service-specific rules, and the Commission delegated to the Bureau the authority to make conforming edits to the Code of Federal Regulations (CFR) consistent with the rules adopted in the Part 1 proceeding.⁴² Part 1 rules that superseded inconsistent service-specific rules will control in Auction No. 41.⁴³ *Accordingly, the “controlling interest” standard as set forth will be in effect for Auction No. 41, even if conforming edits to the CFR are not made prior to the auction.*

Control. The term “control” includes both *de facto* and *de jure* control of the applicant. Typically, *ownership of at least 50.1 percent of an entity’s voting stock evidences de jure control. De facto control is determined on a case-by-case basis.*⁴⁴ The following are some common indicia of *de facto* control:

- the entity constitutes or appoints more than 50 percent of the board of directors or management committee;
- the entity has authority to appoint, promote, demote, and fire senior executives that control the day-to-day activities of the licensee; or
- the entity plays an integral role in management decisions.

Attribution for small and very small business eligibility. In determining which entities qualify as small or very small businesses, the Commission will consider the gross revenues of the applicant, its affiliates, its controlling interests, and the affiliates of its controlling interests. The Commission does not impose specific equity requirements on controlling interest holders. Once the principals or entities with a

⁴¹ The eligibility for small business preferences will be determined based on the attribution rules in effect at the short-form application deadline. *Id.* at ¶ 67. *See Part 1 Fifth Report and Order*, 65 Fed. Reg. 52323 (August 29, 2000) (summary).

⁴² *Part 1 Fifth Report and Order*, ¶ 78.

⁴³ *See Part 1 Third Report and Order* at 382, ¶ 5; *Part 1 Fifth Report and Order*, ¶ 78.

⁴⁴ For further guidance on the issue of *de facto* control, see the Commission’s affiliation rule at 47 C.F.R. § 1.2110(b)(5); *see also* *Ellis Thompson Corp.*, 10 FCC Rcd. 12554, 12555-56 (1994), in which the Commission identified the following factors used to determine control of a business: (1) use of facilities and equipment; (2) control of day-to-day operations; (3) control of policy decisions; (4) personnel responsibilities; (5) control of financial obligations; and (6) receipt of monies and profits; *Intermountain Microwave*, 12 FCC 2d. 559 (1963), and *Application of Baker Creek Communications, LP, For Authority to Construct and Operate Local Multipoint Distribution Services in Multiple Basic Trading Areas, Memorandum Opinion and Order*, 13 FCC Rcd. 18709 (rel. September 23, 1998).

controlling interest are determined, only the revenues of those principals or entities, the affiliates of those principals or entities, the applicant and its affiliates, will be counted in determining small business eligibility.

A consortium of small or very small businesses is a “conglomerate organization formed as a joint venture between or among mutually independent business firms,” each of which *individually* must satisfy the definition of small or very small business in Sections 1.2110(f). Thus, each consortium member must disclose its gross revenues along with those of its affiliates, its controlling interests, and the affiliates of its controlling interests. We note that although the gross revenues of the consortium members will not be aggregated for purposes of determining eligibility for small or very small business credits, this information must be provided to ensure that each individual consortium member qualifies for any bidding credit awarded to the consortium.

4. Supporting Documentation

Applicants should note that they will be required to file supporting documentation to their FCC Form 175 short-form applications to establish that they satisfy the eligibility requirements to qualify as small or very small businesses (or consortia of small or very small businesses) for this auction.⁴⁵

Applicants should further note that submission of an FCC Form 175 application constitutes a representation by the certifying official that he or she is an authorized representative of the applicant, has read the form’s instructions and certifications, and that the contents of the application and its attachments are true and correct. Submission of a false certification to the Commission may result in penalties, including monetary forfeitures, license forfeitures, ineligibility to participate in future auctions, and/or criminal prosecution.

Small or very small business eligibility (Exhibit C). Entities applying to bid as small or very small businesses (or consortia of small or very small businesses) will be required to disclose on Exhibit C to their FCC Form 175 short-form applications, *separately and in the aggregate*, the gross revenues for the preceding three years of each of the following: (1) the applicant, (2) its affiliates, (3) its controlling interests, and (4) the affiliates of its controlling interests. **Certification that the average annual gross revenues for the preceding three years do not exceed the applicable limit is not sufficient. A statement of the total gross revenues for the preceding three years is also insufficient. The applicant must provide separately for itself, its affiliates, its controlling interests, and the affiliates of its controlling interests, a schedule of gross revenues for each of the preceding three years, as well as a statement of total average gross revenues for the three-year period.** If the applicant is applying as a consortium of small or very small businesses, this information must be provided for each consortium member.

E. Provisions Regarding Defaulters and Former Defaulters (FCC Form 175 Exhibit D)

Each applicant must certify on its FCC Form 175 application that it is not in default on any Commission licenses and that it is not delinquent on any non-tax debt owed to any Federal agency.⁴⁶ In addition, each applicant must attach to its FCC Form 175 application a statement made under penalty of perjury indicating whether or not the applicant has ever been in default on any Commission licenses or has ever

⁴⁵ See 47 C.F.R. § 1.2105.

⁴⁶ 47 C.F.R. § 1.2105(a)(2)(x).

been delinquent on any non-tax debt owed to any federal agency.⁴⁷ **Applicants must include this statement as Exhibit D of the FCC Form 175.** If any of an applicant's controlling interests holders or their affiliates, as defined by Section 1.2110 of the Commission's rules (as recently amended in the *Part 1 Fifth Report and Order*) have ever been in default on any Commission license or have ever been delinquent on any non-tax debt owed to any Federal agency, the applicant must include such information as part of the same attached statement.⁴⁸ Prospective bidders are reminded that the statement must be made under penalty of perjury and, further, submission of a false certification to the Commission is a serious matter that may result in severe penalties, including monetary forfeitures, license revocations, exclusion from participation in future auctions, and/or criminal prosecution.

"Former defaulters" — *i.e.*, applicants, including their attributable interest holders, that in the past have defaulted on any Commission licenses or been delinquent on any non-tax debt owed to any Federal agency, but that have since remedied all such defaults and cured all of their outstanding non-tax delinquencies — are eligible to bid in Auction No. 41, provided that they are otherwise qualified. However, as discussed *infra* in Section III.D.3, former defaulters are required to pay upfront payments that are fifty percent more than the normal upfront payment amounts.⁴⁹

F. Installment Payments

Installment payment plans will not be available in Auction No. 41.

G. Other Information (FCC Form 175 Exhibits E and F)

Applicants owned by minorities or women, as defined in 47 C.F.R. § 1.2110(c)(2), may attach an exhibit (Exhibit E) regarding this status. This applicant status information is collected for statistical purposes only and assists the Commission in monitoring the participation of "designated entities" in its auctions. Applicants wishing to submit additional information may do so on Exhibit F (Miscellaneous Information) to the FCC Form 175.

H. Minor Modifications to Short-Form Applications (FCC Form 175)

After the short-form filing deadline (August 24, 2001), applicants may make only minor changes to their FCC Form 175 applications. Applicants will not be permitted to make major modifications to their applications (*e.g.*, change their license selections or proposed service areas, change the certifying official or change control of the applicant or change bidding credits). *See* 47 C.F.R. § 1.2105. Permissible minor changes include, for example, deletion and addition of authorized bidders (to a maximum of three) and revision of exhibits. Applicants should make these changes on-line, and submit a letter to Margaret Wiener, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, 445 12th Street, SW, Suite 4-A760 Washington, DC 20554, briefly

⁴⁷ 47 C.F.R. § 1.2105(a)(2)(xi).

⁴⁸ *See Part 1 Fifth Report and Order*, ¶ 42. We note that if any entity whose gross revenues are required to be attributed to the applicant under 47 C.F.R. § 1.2110 is in default on any Commission licenses or is delinquent on any non-tax debt owed to any Federal agency at the deadline for filing FCC Form 175 application for Auction No. 41, the applicant will not be able to make the certification required by 47 C.F.R. § 1.2105(a)(2)(x) and will not be eligible to participate in the auction.

⁴⁹ 47 C.F.R. § 1.2106(a).

summarizing the changes. Questions about other changes should be directed to Howard Davenport of the Auctions and Industry Analysis Division at (202) 418-0660.

I. Maintaining Current Information in Short-Form Applications (FCC Form 175)

Applicants have an obligation under 47 C.F.R. §1.65, to maintain the completeness and accuracy of information in their short-form applications. Amendments reporting substantial changes of possible decisional significance in information contained in FCC Form 175 applications, as defined by 47 C.F.R. § 1.2105(b)(2), will not be accepted and may in some instances result in the dismissal of the FCC Form 175 application.

III. PRE-AUCTION PROCEDURES

A. Auction Seminar

On Wednesday, August 15, 2001, the FCC will sponsor a free seminar for Auction No. 41 at the Federal Communications Commission, located at 445 12th Street, SW, Washington, DC. The seminar will provide attendees with information about pre-auction procedures, conduct of the auction, FCC Automated Auction System, and the narrowband PCS and auction rules. The seminar will also provide an opportunity for prospective bidders to ask questions of FCC staff.

To register, complete the registration form attached hereto as Attachment B and submit it by Monday, August 13, 2001. Registrations are accepted on a first-come, first-served basis.

B. Short-Form Application (FCC Form 175) — Due August 24, 2001

In order to be eligible to bid in this auction, applicants must first submit a FCC Form 175 application. This application must be submitted electronically and received at the Commission no later than 6:00 p.m. ET on August 24, 2001. Late applications will not be accepted.

There is no application fee required when filing a FCC Form 175. However, to be eligible to bid, an applicant must submit an upfront payment. *See Part III.D, below.*

1. Electronic Filing

Applicants must file their FCC Form 175 applications electronically.⁵⁰ Applications may generally be filed at any time beginning at noon ET on August 15, 2001, until 6:00 p.m. ET on August 24, 2001. Applicants are strongly encouraged to file early and are responsible for allowing adequate time for filing their applications. Applicants may update or amend their electronic applications multiple times until the filing deadline on August 24, 2001.

Applicants must press the “SUBMIT Application” button on the “Submission” page of the electronic form to successfully submit their FCC Form 175s. Any form that is not submitted will not be reviewed by the FCC. Information about accessing the FCC Form 175 is included in Attachment C. Technical support is available at (202) 414-1250 (voice) or (202) 414-1255 (text telephone (TTY)); the hours of service Monday through Friday, from 7:00 AM to 10:00 PM ET, Saturday, 8:00 AM to 7:00 PM ET, and

⁵⁰ *See* 47 C.F.R. § 1.2105(a).

Sunday, 12:00 noon to 6:00 PM ET. In order to provide better service to the public, *all calls to the hotline are recorded.*

Applicants can also contact Technical Support via e-mail. To obtain the address, click the **Support** tab on the Form 175 Homepage.

2. Completion of the FCC Form 175

Applicants should carefully review 47 C.F.R. § 1.2105, and must complete all items on the FCC Form 175. Instructions for completing the FCC Form 175 are in Attachment D of this public notice. Applicants are encouraged to begin preparing the required attachments for FCC Form 175 prior to submitting the form. Attachments C and D to this public notice provide information on the required attachments and appropriate formats.

3. Electronic Review of FCC Form 175

The FCC Form 175 electronic review system may be used to locate and print applicants' FCC Form 175 information. Applicants may also view other applicants' completed FCC Form 175s after the filing deadline has passed and the FCC has issued a public notice explaining the status of the applications. For this reason, it is important that applicants do not include their Taxpayer Identification Numbers (TINs) on any exhibits to their FCC Form 175 applications. There is no fee for accessing this system. *See* Attachment C for details on accessing the review system.

C. Application Processing and Minor Corrections

After the deadline for filing the FCC Form 175 applications has passed, the FCC will process all timely submitted applications to determine which are acceptable for filing, and subsequently will issue a public notice identifying: (1) those applications accepted for filing; (2) those applications rejected; and (3) those applications which have minor defects that may be corrected, and the deadline for filing such corrected applications.

As described more fully in the Commission's rules, after the August 24, 2001, short-form filing deadline, applicants may make only minor corrections to their FCC Form 175 applications. Applicants will not be permitted to make major modifications to their applications (*e.g.*, change their license selections, change the certifying official, change control of the applicant, or change bidding credit eligibility).⁵¹

D. Upfront Payments — Due September 13, 2001

In order to be eligible to bid in the auction, applicants must submit an upfront payment accompanied by a FCC Remittance Advice Form (FCC Form 159). After completing the FCC Form 175, filers will have access to an electronic version of the FCC Form 159 that can be printed and faxed to Mellon Bank in Pittsburgh, PA. All upfront payments must be received at Mellon Bank by 6:00 p.m. ET on September 13, 2001.

Please note that:

⁵¹ See 47 C.F.R. § 1.2105. See also *Two Way Radio of Carolina, Inc., Memorandum, Opinion and Order*, 14 FCC Rcd. 12035 (1999).

- All payments must be made in U.S. dollars.
- All payments must be made by wire transfer.
- Upfront payments for Auction No. 41 go to a lockbox number different from the lockboxes used in previous FCC auctions, and different from the lockbox number to be used for post-auction payments.
- Failure to deliver the upfront payment by the September 13, 2001, deadline will result in dismissal of the application and disqualification from participation in the auction.

1. Making Auction Payments by Wire Transfer

Wire transfer payments must be received by 6:00 p.m. ET on September 13, 2001. To avoid untimely payments, applicants should discuss arrangements (including bank closing schedules) with their banker several days before they plan to make the wire transfer, and allow sufficient time for the transfer to be initiated and completed before the deadline. Applicants will need the following information:

ABA Routing Number: 043000261
 Receiving Bank: Mellon Pittsburgh
 BNF: FCC/AC 910-0180
 OBI Field: (Skip one space between each information item)
 "AUCTIONPAY"
 TAXPAYER IDENTIFICATION NO.: (same as FCC Form 159, block 12)
 PAYMENT TYPE CODE (same as FCC Form 15, block 24A: A41U)
 FCC CODE 1 (same as FCC Form 159, block 28A: "41")
 PAYER NAME (same as FCC Form 159, block 2)
 LOCKBOX NO. # 358420

NOTE: The BNF and Lockbox number are specific to the upfront payments for this auction; do not use BNF or Lockbox numbers from previous auctions.

Applicants must fax a completed FCC Form 159 (Revised 2/00) to Mellon Bank at (412) 209-6045 **at least one hour before** placing the order for the wire transfer (but on the same business day). On the cover sheet of the fax, write "Wire Transfer — Auction Payment for Auction Event No. 41." **Bidders should confirm receipt of their upfront payment at Mellon Bank by contacting their sending financial institution.**

2. FCC Form 159

A completed FCC Remittance Advice Form (FCC Form 159, Revised 2/00) must be faxed to Mellon Bank in order to accompany each upfront payment. Proper completion of FCC Form 159 (Revised 2/00) is critical to ensuring correct credit of upfront payments. Detailed instructions for completion of FCC Form 159 are included in Attachment E to this public notice. An electronic version of the FCC Form 159 is available after filing the FCC Form 175. The FCC Form 159 can be completed electronically, but must be filed with Mellon Bank via facsimile.

3. Amount of Upfront Payment

In the *Part 1 Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*, the Commission delegated to the Bureau the authority and discretion to determine appropriate upfront payment(s) for each auction.⁵² In addition, in the *Part 1 Fifth Report and Order*, the Commission ordered that “former defaulters,” *i.e.*, applicants that have ever been in default on any Commission license or have ever been delinquent on any non-tax debt owed to any Federal agency, be required to pay upfront payments fifty percent greater than non-“former defaulters.”⁵³

In the *Auction No. 41 Comment Public Notice*, we proposed translating bidders’ upfront payments to bidding units to define a bidder’s maximum eligibility.⁵⁴ In order to bid on a license, otherwise qualified bidders who applied for that license on Form 175 must have an eligibility level that meets or exceeds the number of bidding units assigned to that license. At a minimum, therefore, an applicant’s total upfront payment must be enough to establish eligibility to bid on at least one of the licenses applied for on Form 175, or else the applicant will not be eligible to participate in the auction. An applicant does not have to make an upfront payment to cover all licenses for which the applicant has applied on Form 175, but rather to cover the maximum number of bidding units that are associated with licenses on which the bidder wishes to place bids and hold high bids at any given time.

In the *Auction No. 41 Comment Public Notice*,⁵⁵ the Bureau proposed upfront payments on a license-by-license basis using the following formula:

$$$.00002 * \text{kHz} * \text{License Area Population}^{56} \text{ with a minimum of } \$1,000 \text{ per license.}^{57}$$

Moir & Hardman⁵⁸ and Space Data⁵⁹ addressed whether the Bureau should adopt its proposed formula for calculating upfront payments for Narrowband PCS. Both contend that the proposed upfront payments are excessively high and recommend that they be significantly reduced.⁶⁰ No other comments or reply comments were received.

⁵² Amendment of Part 1 of the Commission’s rules — Competitive Bidding Proceeding, WT Docket No. 97-82, *Order, Memorandum Opinion and Order and Notice of Proposed Rule Making*, 12 FCC Rcd. 5686, 5697-5698, ¶ 16 (1997).

⁵³ *Part 1 Fifth Report and Order*, ¶¶ 40-42; 47 C.F.R. § 1.2106(a); *see* 47 C.F.R. §§1.2105(a)(2)(xi)

⁵⁴ *See Auction No. 41 Comment Public Notice* at 3.

⁵⁵ *Id.*

⁵⁶ All population figures are from the 4/1/90 U.S. Census, U.S. Department of Commerce, Bureau of the Census.

⁵⁷ Results below \$10,000 are rounded to the nearest hundred; results above \$10,000 are rounded to the nearest thousand.

⁵⁸ *See* Moir & Hardman Comments at 1-3.

⁵⁹ *See* Space Data Comments at 1-5.

⁶⁰ *See* Moir & Hardman Comments at 2; *see also* Space Data Comments at 1-5.

Upon careful consideration of the comments received, the Bureau has decided to exercise its discretion to adjust the upfront payments. The revised figures are approximately one-half of the original proposal. The new formula for upfront payments is:

$$$.00001 * \text{kHz} * \text{License Area Population}^{61} \text{ with a minimum of } \$1,000 \text{ per license.}^{62}$$

The specific upfront payments and bidding units for each license are set forth in Attachment A.⁶³

In calculating its upfront payment amount, an applicant should determine the maximum number of bidding units it may wish to bid on in any single round, and submit an upfront payment covering that number of bidding units. In order to make this calculation, an applicant should add together the upfront payments for all licenses on which it seeks to bid in any given round. **Bidders should check their calculations carefully, as there is no provision for increasing a bidder's maximum eligibility after the upfront payment deadline.**

Example: Upfront Payments and Bidding Flexibility

Market No.	Ch. No.	Market Name	Population	Bidding Units	Upfront Payment
MTA009	30	Philadelphia	8,927,748	13,000	\$13,000
MTA010	30	Washington-Baltimore	7,777,875	12,000	\$12,000

If a bidder wishes to bid on both licenses in a round, it must have selected both on its FCC Form 175 and purchased at least 25,000 bidding units (13,000 + 12,000). If a bidder only wishes to bid on one, but not both, purchasing 13,000 bidding units would meet the requirement for either license. The bidder would be able to bid on either license, but not both at the same time. If the bidder purchased only 12,000 bidding units, it would have enough eligibility for the Washington-Baltimore license but not for the Philadelphia license.

Former defaulters should calculate their upfront payment for all licenses by multiplying the number of bidding units they wish to purchase by 1.5. In order to calculate the number of bidding units to assign to former defaulters, the Commission will divide the upfront payment received by 1.5 and round the result up to the nearest bidding unit.

NOTE: An applicant may, on its FCC Form 175, apply for every applicable license being offered, but its actual bidding in any round will be limited by the bidding units reflected in its upfront payment.

⁶¹ All population figures are from the 4/1/90 U.S. Census, U.S. Department of Commerce, Bureau of the Census.

⁶² Results below \$10,000 are rounded to the nearest hundred; results above \$10,000 are rounded to the nearest thousand.

⁶³ The population for MTA018, Cincinnati-Dayton, is 4,716,665; and for MTA034, Kansas City, is 2,913,304. These figures were listed incorrectly in Attachment A to the *Auction No. 41 Comment Public Notice* as 4,716,655 and 2,913,604, respectively. These discrepancies are small enough not to affect the upfront payments or bidding units for the corresponding licenses. As described in this section, the Bureau is revising the upfront payments that were proposed in the *Auction No. 41 Comment Public Notice* (including those covered by the *Auction No. 41 Correction Public Notice*, as described in footnote 3). The revised upfront payments are based on the corrected population. The new upfront payment amounts are listed in Attachment A.

4. Applicant's Wire Transfer Information for Purposes of Refunds of Upfront Payments

The Commission will use wire transfers for all Auction No. 41 refunds. To ensure that refunds of upfront payments are processed in an expeditious manner, the Commission is requesting that all pertinent information as listed below be supplied to the FCC. Applicants can provide the information electronically during the initial short-form filing window after the form has been submitted. Wire Transfer Instructions can also be manually faxed to the FCC, Financial Operations Center, Auctions Accounting Group, ATTN: Tim Dates or Gail Glasser, at (202) 418-2843 by September 13, 2001. All refunds will be returned to the payer of record as identified on the FCC Form 159 unless the payer submits written authorization instructing otherwise. For additional information, please call (202) 418-1995.

Name of Bank
ABA Number
Contact and Phone Number
Account Number to Credit
Name of Account Holder
Taxpayer Identification Number (see below)
Correspondent Bank (if applicable)
ABA Number
Account Number

(Applicants should also note that implementation of the Debt Collection Improvement Act of 1996 requires the FCC to obtain a Taxpayer Identification Number (TIN) before it can disburse refunds.) Eligibility for refunds is discussed in Part V.E., *below*.

E. Auction Registration

Approximately ten days before the auction, the FCC will issue a public notice announcing all qualified bidders for the auction. Qualified bidders are those applicants whose FCC Form 175 applications have been accepted for filing and have timely submitted upfront payments sufficient to make them eligible to bid on at least one of the licenses for which they applied.

All qualified bidders are automatically registered for the auction. Registration materials will be distributed prior to the auction by two separate overnight mailings, one containing the confidential bidder identification number (BIN) required to place bids and the other containing the SecurID cards. These mailings will be sent only to the contact person at the contact address listed in the FCC Form 175.

Applicants that do not receive both registration mailings will not be able to submit bids. Therefore, any qualified applicant that has not received both mailings by noon on Thursday, September 27, 2001, should contact the Auctions Hotline at (717) 338-2888. Receipt of both registration mailings is critical to participating in the auction and each applicant is responsible for ensuring it has received all of the registration material.

Qualified bidders should note that lost bidder identification numbers or SecurID cards can be replaced only by appearing in person at the FCC Auction Headquarters located at 445 12th St., SW, Washington, DC 20554. Only an authorized representative or certifying official, as designated on an applicant's FCC Form 175, may appear in person with two forms of identification (one of which must be a photo

identification) in order to receive replacement codes. Qualified bidders requiring replacements must call technical support prior to arriving at the FCC.

F. Remote Electronic Bidding

This is the first auction that the Commission will conduct over the Internet. Telephonic bidding and access via the Bureau's wide area network will also be available, as in prior auctions. Qualified bidders are permitted to bid telephonically or electronically, *i.e.*, over the Internet or the Bureau's wide area network. In either case, **each authorized bidder** must have its own Remote Security Access SecurID card, which the FCC will provide at no charge. Each applicant with less than three authorized bidders will be issued two SecurID cards, while applicants with three authorized bidders will be issued three cards. For security purposes, the SecurID cards and the instructions for using them are only mailed to the contact person at the contact address listed on the FCC Form 175. Please note that each SecurID card is tailored to a specific auction, therefore, SecurID cards issued for other auctions or obtained from a source other than the FCC will not work for Auction No. 41. The telephonic bidding phone number will be supplied in the first Federal Express mailing of the confidential bidder identification number. Your bidding preference—electronic or telephonic—is specified on the FCC Form 175.

Please note that the SecurID cards can be recycled, and we encourage bidders to return the cards to the FCC. We will provide pre-addressed envelopes that bidders may use to return the cards once the auction is over.

G. Mock Auction

All qualified bidders will be eligible to participate in a mock auction on Friday, September 28, 2001. The mock auction will enable applicants to become familiar with the electronic system prior to the auction. Participation by all bidders is strongly recommended. Details will be announced by public notice.

IV. AUCTION EVENT

The first round of bidding for Auction No. 41 will begin on Wednesday, October 3, 2001. The initial bidding schedule will be announced in a public notice listing the qualified bidders, which is released approximately 10 days before the start of the auction.

A. Auction Structure

1. Simultaneous Multiple Round Auction

In the *Auction No. 41 Comment Public Notice*, we proposed to award all licenses in Auction No. 41 in a single, simultaneous multiple round auction.⁶⁴ We received no comments on this issue. Therefore, we conclude that it is operationally feasible and appropriate to auction the narrowband PCS licenses through a single, simultaneous multiple round auction. Unless otherwise announced, bids will be accepted on all licenses in each round of the auction. This approach, we believe, allows bidders to take advantage of any synergies that exist among licenses and is administratively efficient.

⁶⁴ *Auction No. 41 Comment Public Notice* at 3.

2. Maximum Eligibility and Activity Rules

In the *Auction No. 41 Comment Public Notice*, we proposed that the amount of the upfront payment submitted by a bidder would determine the initial maximum eligibility (as measured in bidding units) for each bidder.⁶⁵ We received no comments on this issue.

For Auction No. 41 we adopt this proposal. The amount of the upfront payment submitted by a bidder determines the initial maximum eligibility (in bidding units) for each bidder. Note again that upfront payments are not attributed to specific licenses, but instead will be translated into bidding units to define a bidder's initial maximum eligibility (see "Amount of Upfront Payment" in Part III.D.3, *above*). The total upfront payment defines the maximum number of bidding units on which the applicant will be permitted to bid and hold high bids. As there is no provision for increasing a bidder's maximum eligibility during the course of an auction (as described under "Auction Stages" in Part IV.A.3), prospective bidders are cautioned to calculate their upfront payments carefully. The total upfront payment does not affect the total dollars a bidder may bid on any given license.

In order to ensure that the auction closes within a reasonable period of time, an activity rule requires bidders to bid actively throughout the auction, rather than wait until the end before participating. Bidders are required to be active on a specific percentage of their current eligibility during each round of the auction.

A bidder's activity level in a round is the sum of the bidding units associated with licenses on which the bidder is active. A bidder is considered active on a license in the current round if it is either the high bidder at the end of the previous bidding round and does not withdraw the high bid in the current round, or if it submits an acceptable bid in the current round (see "Bid Increments and Minimum Accepted Bids" in Part IV.B.(3), *below*). The minimum required activity level is expressed as a percentage of the bidder's maximum bidding eligibility, and increases by stage as the auction progresses. Because these procedures have proven successful in maintaining the pace of previous auctions (as set forth under "Auction Stages" in Part IV.A.3 and "Stage Transitions" in Part IV.A.4, *below*), we adopt them for Auction No. 41.

3. Auction Stages

In the *Auction No. 41 Comment Public Notice*, we proposed to conduct the auction in three stages and employ an activity rule. We further proposed that, in each round of Stage One, a bidder desiring to maintain its current eligibility would be required to be active on licenses encompassing at least 80 percent of its current bidding eligibility.⁶⁶ In each round of Stage Two, a bidder desiring to maintain its current eligibility would be required to be active on at least 90 percent of its current bidding eligibility. Finally, we proposed that a bidder in Stage Three, in order to maintain eligibility, would be required to be active on 98 percent of its current bidding eligibility. We received no comments on this proposal.

We adopt our proposals for the activity rules. Below are the activity levels for each stage of the auction. The FCC reserves the discretion to further alter the activity percentages before and/or during the auction.

Stage One: During the first stage of the auction, a bidder desiring to maintain its current eligibility will

⁶⁵ *Id.* at 3.

⁶⁶ *Id.* at 4.

be required to be active on licenses that represent at least 80 percent of its current bidding eligibility in each bidding round. Failure to maintain the required activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage One, reduced eligibility for the next round will be calculated by multiplying the bidder's current activity (the sum of bidding units of the bidder's standing high bids and valid bids during the current round) by five-fourths (5/4).

Stage Two: During the second stage of the auction, a bidder desiring to maintain its current eligibility is required to be active on 90 percent of its current bidding eligibility. Failure to maintain the required activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage Two, reduced eligibility for the next round will be calculated by multiplying the bidder's current activity (the sum of bidding units of the bidder's standing high bids and valid bids during the current round) by ten-ninths (10/9).

Stage Three: During the third stage of the auction, a bidder desiring to maintain its current eligibility is required to be active on 98 percent of its current bidding eligibility. Failure to maintain the required activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). In this stage, reduced eligibility for the next round will be calculated by multiplying the bidder's current activity (the sum of bidding units of the bidder's standing high bids and valid bids during the current round) by fifty-fortyninths (50/49).

CAUTION: Since activity requirements increase in each auction stage, bidders must carefully check their current activity during the bidding period of the first round following a stage transition. This is especially critical for bidders that have standing high bids and do not plan to submit new bids. In past auctions, some bidders have inadvertently lost bidding eligibility or used an activity rule waiver because they did not re-verify their activity status at stage transitions. Bidders may check their activity against the required minimum activity level by using the bidding system's bidding module.

Because the foregoing procedures have proven successful in maintaining proper pace in previous auctions, we adopt them for Auction No. 41.

4. Stage Transitions

In the *Auction No. 41 Comment Public Notice*, we proposed that the auction would generally advance to the next stage (*i.e.*, from Stage One to Stage Two, and from Stage Two to Stage Three) when the auction activity level, as measured by the percentage of bidding units receiving new high bids, is below 10 percent for three consecutive rounds of bidding in each Stage. We further proposed that the Bureau would retain the discretion to change stages unilaterally by announcement during the auction. This determination, we proposed, would be based on a variety of measures of bidder activity, including, but not limited to, the auction activity level, the percentages of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue.⁶⁷ We received no comments on this subject.

We adopt our proposal. Thus, the auction will start in Stage One and it will advance to the next stage (*i.e.*, from Stage One to Stage Two, and from Stage Two to Stage Three) when, in each of three consecutive rounds of bidding, the high bid has increased on 10 percent or less of the licenses being

⁶⁷ *Id.* at 4.

auctioned (as measured in bidding units). In addition, the Bureau will retain the discretion to regulate the pace of the auction by announcement. This determination will be based on a variety of measures of bidder activity, including, but not limited to, the auction activity level, the percentages of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue. We believe that these stage transition rules, having proven successful in prior auctions, are appropriate for use in Auction No. 41.

5. Activity Rule Waivers and Reducing Eligibility

In the *Auction No. 41 Comment Public Notice*, we proposed that each bidder in the auction would be provided five activity rule waivers. Bidders may use an activity rule waiver in any round during the course of the auction.⁶⁸ We received no comment on this issue.

Based upon our experience in previous auctions, we adopt our proposal that each bidder be provided five activity rule waivers that may be used in any round during the course of the auction. Use of an activity rule waiver preserves the bidder's current bidding eligibility despite the bidder's activity in the current round being below the required minimum level. An activity rule waiver applies to an entire round of bidding and not to a particular license. We are satisfied that our practice of providing five waivers over the course of the auction provides a sufficient number of waivers and maximum flexibility to the bidders, while safeguarding the integrity of the auction.

The FCC Automated Auction System assumes that bidders with insufficient activity would prefer to use an activity rule waiver (if available) rather than lose bidding eligibility. Therefore, the system will automatically apply a waiver (known as an "automatic waiver") at the end of any round where a bidder's activity level is below the minimum required unless: (1) there are no activity rule waivers available; or (2) the bidder overrides the automatic application of a waiver by reducing eligibility, thereby meeting the minimum requirements.

A bidder with insufficient activity that wants to reduce its bidding eligibility rather than use an activity rule waiver must affirmatively override the automatic waiver mechanism during the round by using the reduce eligibility function in the bidding system. In this case, the bidder's eligibility is permanently reduced to bring the bidder into compliance with the activity rules as described in "Auction Stages" (*see* Part IV.A.3 discussion *above*). Once eligibility has been reduced, a bidder will not be permitted to regain its lost bidding eligibility.

Finally, a bidder may proactively use an activity rule waiver as a means to keep the auction open without placing a bid. If a bidder submits a proactive waiver (using the proactive waiver function in the bidding system) during a round in which no bids are submitted, the auction will remain open and the bidder's eligibility will be preserved. However, an automatic waiver triggered during a round in which there are no new valid bids or withdrawals will not keep the auction open.

6. Auction Stopping Rules

For Auction No. 41, the Bureau proposed to employ a simultaneous stopping rule.⁶⁹ Under this rule, bidding will remain open on all licenses until bidding stops on every license. The auction will close for

⁶⁸ *Id.* at 5.

⁶⁹ *Id.* at 10.

all licenses when one round passes during which no bidder submits a new acceptable bid on any license, applies a proactive waiver, or withdraws a previous high bid. After the first such round, bidding closes simultaneously on all licenses.

The Bureau also proposed retaining discretion to implement a modified version of the simultaneous stopping rule. The modified version will close the auction for all licenses after the first round in which no bidder submits a proactive waiver, a withdrawal, or a new bid on any license on which it is not the standing high bidder. Thus, absent any other bidding activity, a bidder placing a new bid on a license for which it is the standing high bidder will not keep the auction open under this modified stopping rule.

The Bureau further proposed retaining the discretion to keep the auction open even if no new acceptable bids or proactive waivers are submitted and no previous high bids are withdrawn in a round. In this event, the effect will be the same as if a bidder had submitted a proactive waiver. Thus, the activity rule will apply as usual, and a bidder with insufficient activity will either lose bidding eligibility or use an activity rule waiver (if it has any left).

In addition, we proposed that the Bureau reserve the right to declare that the auction will end after a designated number of additional rounds (“special stopping rule”). If the Bureau invokes this special stopping rule, it will accept bids in the final round(s) only for licenses on which the high bid increased in at least one of the preceding specified number of rounds. We proposed to exercise this option only in circumstances such as where the auction is proceeding very slowly, where there is minimal overall bidding activity or where it appears likely that the auction will not close within a reasonable period of time.⁷⁰ Before exercising this option, the Bureau is likely to attempt to increase the pace of the auction by, for example, moving the auction into the next stage (where bidders will be required to maintain a higher level of bidding activity), increasing the number of bidding rounds per day, and/or adjusting the amount of the minimum bid increments for the licenses.

We received no comments on the subject, therefore, we adopt all of the above proposals concerning the auction stopping rules. Auction No. 41 will begin under the simultaneous stopping rule, and the Bureau will retain the discretion to invoke the other versions of the stopping rule. We believe that these stopping rules are most appropriate for Auction No. 41, because our experience in prior auctions demonstrates that the auction stopping rules balance the interests of administrative efficiency and maximum bidder participation.

7. Auction Delay, Suspension, or Cancellation

In the *Auction No. 41 Comment Public Notice*, we proposed that, by public notice or by announcement during the auction, the Bureau may delay, suspend, or cancel the auction in the event of natural disaster, technical obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or for any other reason that affects the fair conduct of competitive bidding.⁷¹

Because this approach has proven effective in resolving exigent circumstances in previous auctions, we adopt our proposed auction cancellation rules. By public notice or by announcement during the auction, the Bureau may delay, suspend, or cancel the auction in the event of natural disaster, technical obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or

⁷⁰ *Id.* at 10.

⁷¹ *Id.* at 5.

for any other reason that affects the fair and competitive conduct of competitive bidding. In such cases, the Bureau, in its sole discretion, may elect to resume the auction starting from the beginning of the current round, resume the auction starting from some previous round, or cancel the auction in its entirety. Network interruption may cause the Bureau to delay or suspend the auction. We emphasize that exercise of this authority is solely within the discretion of the Bureau, and its use is not intended to be a substitute for situations in which bidders may wish to apply their activity rule waivers.

B. Bidding Procedures

1. Round Structure

The initial bidding schedule will be announced in the public notice listing the qualified bidders, which is released approximately 10 days before the start of the auction. This public notice will be included in the registration mailings. The round structure for each bidding round contains a single bidding round followed by the release of the round results. Multiple bidding rounds may be conducted in a given day. Details regarding round results formats and locations will also be included in the above public notice referenced above.

The FCC has discretion to change the bidding schedule in order to foster an auction pace that reasonably balances speed with the bidders' need to study round results and adjust their bidding strategies. The FCC may increase or decrease the amount of time for the bidding rounds and review periods, or the number of rounds per day, depending upon the bidding activity level and other factors.

2. Reserve Price or Minimum Opening Bid

Background. The Balanced Budget Act calls upon the Commission to prescribe methods by which a reasonable reserve price will be required or a minimum opening bid established when FCC licenses are subject to auction (*i.e.*, because they are mutually exclusive), unless the Commission determines that a reserve price or minimum opening bid is not in the public interest.⁷² Consistent with this mandate, the Commission directed the Bureau to seek comment on the use of a minimum opening bid and/or reserve price prior to the start of each auction.⁷³ Among other factors, the Bureau must consider the amount of spectrum being auctioned, levels of incumbency, the availability of technology to provide service, the size of the geographic service areas, the extent of interference with other spectrum bands, and any other relevant factors that could have an impact on the spectrum being auctioned.⁷⁴ The Commission concluded that the Bureau should have the discretion to employ either or both of these mechanisms for future auctions.⁷⁵

In the *Auction No. 41 Comment Public Notice*, the Bureau proposed to establish minimum opening bids for Auction No. 41 and to retain discretion to lower the minimum opening bids.⁷⁶ Specifically, for

⁷² See Balanced Budget Act, section 3002(a), 47 U.S.C. § 309(j)(4)(F).

⁷³ See Amendment of Part 1 of the Commission's Rules — Competitive Bidding Procedures, WT Docket No. 97-82, *Third Report and Order and Second Further Notice of Proposed Rule Making*, 13 FCC Rcd. 375, 455-456 ¶ 141 (1997) (“*Part 1 Third Report and Order*”).

⁷⁴ *Id.*

⁷⁵ *Id.*

⁷⁶ *Auction No. 41 Comment Public Notice* at 6.

Auction No. 41, the Bureau proposed the following license-by-license formula for calculating minimum opening bids:

$\$.00004 * \text{kHz} * \text{License Area Population}^{77}$ with a minimum of \$1,000 per license.⁷⁸

In the alternative, the Bureau sought comment on whether, consistent with the Balanced Budget Act, the public interest would be served by having no minimum opening bid or reserve price.⁷⁹

Moir & Hardman⁸⁰ and Space Data⁸¹ addressed whether the Bureau should adopt its proposed formula for calculating minimum opening bids for Narrowband PCS. Both contend that the proposed minimum opening bids are excessively high and recommend that they be significantly reduced.⁸² No other comments or reply comments were received.

As in the case of the amount of upfront payments, the Bureau is persuaded by the comments that a downward revision to minimum opening bids is appropriate. Accordingly, the Bureau has lowered the amount of minimum opening bids, and they are now approximately one-half of the original proposal. The revised minimum opening bid figures were determined using the following formula:

$\$.00002 * \text{kHz} * \text{License Area Population}^{83}$ with a minimum of \$1,000 per license.⁸⁴

The specific minimum opening bids for each license are set forth in Attachment A.⁸⁵

⁷⁷ All population figures are from the 4/1/90 U.S. Census, U.S. Department of Commerce, Bureau of the Census.

⁷⁸ Results below \$10,000 are rounded to the nearest hundred; results above \$10,000 are rounded to the nearest thousand.

⁷⁹ *Id.* at 7.

⁸⁰ *See* Moir & Hardman Comments at 1-3.

⁸¹ *See* Space Data Comments at 1-5.

⁸² *See* Moir & Hardman Comments at 2; *see also* Space Data Comments at 1-5.

⁸³ All population figures are from the 4/1/90 U.S. Census, U.S. Department of Commerce, Bureau of the Census.

⁸⁴ Results below \$10,000 are rounded to the nearest hundred; results above \$10,000 are rounded to the nearest thousand.

⁸⁵ The population for MTA018, Cincinnati-Dayton, is 4,716,665; and for MTA034, Kansas City, is 2,913,304. These figures were listed incorrectly in Attachment A to the *Auction No. 41 Comment Public Notice* as 4,716,655 and 2,913,604, respectively. These discrepancies are small enough not to affect the minimum opening bids for the corresponding licenses. As described in this section, the Bureau is revising the minimum opening bids that were proposed in the *Auction No. 41 Comment Public Notice* (including those covered by the *Auction No. 41 Correction Public Notice*, as described in footnote 3). The revised minimum opening bids are based on the corrected population. The new minimum opening bid amounts are listed in Attachment A.

The minimum opening bids that we adopt are reducible at the discretion of the Bureau. We emphasize, however, that such discretion will be exercised, if at all, sparingly and early in the auction, *i.e.*, before bidders lose all waivers and begin to lose substantial eligibility. During the course of the auction, the Bureau will not entertain any requests to reduce the minimum opening bid on specific licenses.

3. Bid Increments and Minimum Accepted Bids

In the *Auction No. 41 Comment Public Notice*, we proposed to use a smoothing methodology to calculate minimum acceptable bids.⁸⁶ We further proposed to retain the discretion to change the minimum acceptable bids and bid increments if circumstances so dictate.⁸⁷ We received no comment on this issue.

We adopt our proposal for a smoothing formula. The smoothing methodology is designed to vary the increment for a given license between a maximum and minimum value based on the bidding activity on that license. This methodology allows the increments to be tailored to the activity level of a license, decreasing the time it takes for active licenses to reach their final value. The formula used to calculate this increment is included as Attachment G.

We adopt our proposal of initially setting the weighing factor at 0.5, the minimum percentage increment at 0.1 (10 percent of the license value), and the maximum at 0.2 (20 percent of the license value). The Bureau retains the discretion to change the minimum acceptable bids and bid increments if it determines that circumstance so dictate. The Bureau will do so by announcement in the Automated Auction System. Under its discretion, the Bureau may also implement an absolute dollar floor for the bid increment to further facilitate a timely close of the auction. The Bureau may also use its discretion to adjust the minimum bid increment without prior notice if circumstances warrant. The Bureau also retains the discretion to use alternate methodologies, such as a flat percentage increment for all licenses, for Auction No. 41 if circumstances warrant.

4. High Bids

At the end of each round, the Automated Auction System determines the standing high bid for each license based on the gross dollar amounts of the bids received for each license.

In the case of tied high bids, an implementation of the Lecuyer pseudo-random generator will be used to determine the standing high bid. A random number will be assigned to each bid. The tie bid having the highest random number will become the standing high bid. As noted in the *Auction No. 41 Comment Public Notice*, we have adopted this method of breaking ties for this auction because, unlike prior auctions, bidders in Auction No. 41 will be able to bid via the Internet.⁸⁸ Breaking ties by reference to the timing of the bids, as in prior auctions, is inappropriate in Auction No. 41 because bidders may access the Internet at widely varying speeds.

5. Bidding

During a bidding round, a bidder may submit bids for as many licenses as it wishes (subject to its eligibility), withdraw high bids from previous bidding rounds, remove bids placed in the same bidding

⁸⁶ See *Auction No. 41 Comment Public Notice* at 7-9.

⁸⁷ *Id.*

⁸⁸ *Auction No. 41 Comment Public Notice* at 5.

round, or permanently reduce eligibility. Bidders also have the option of making multiple submissions and withdrawals in each bidding round. If a bidder submits multiple bids for a single license in the same round, the system takes the last bid entered as that bidder's bid for the round.

Please note that all bidding will take place remotely either through the Automated Auction System or by telephonic bidding. (Telephonic bid assistants are required to use a script when entering bids placed by telephone. Telephonic bidders are therefore reminded to allow sufficient time to bid by placing their calls well in advance of the close of a round. Normally, four to five minutes are necessary to complete a bid submission.) There will be no on-site bidding during Auction No. 41.

A bidder's ability to bid on specific licenses in the first round of the auction is determined by two factors: (1) the licenses applied for on FCC Form 175 and (2) the upfront payment amount deposited. The bid submission screens will allow bidders to submit bids on only those licenses for which the bidder applied on its FCC Form 175.

The FCC Automated Auction System requires each bidder to be logged in during the bidding round using the bidder identification number provided in the registration materials, and the generated SecurID code. Bidders are strongly encouraged to print bid confirmations after they submit their bids.

In each round, eligible bidders will be able to place bids on a given license in any of nine different amounts.⁸⁹ For each license, the Automated Auction System interface will list the nine acceptable bid amounts in a drop-down box. Bidders may use the drop-down box to select from among the nine acceptable bid amounts. The Automated Auction System also includes an import function that allows bidders to upload text files containing their bid information.

Once there is a standing high bid on a license, the Automated Auction System will calculate a minimum acceptable bid for that license for the following round. The difference between the minimum acceptable bid and the standing high bid for each license will define the *bid increment*. The nine acceptable bid amounts for each license consist of the minimum acceptable bid (the standing high bid plus one bid increment) and additional amounts calculated using multiple bid increments (*i.e.*, the second bid amount equals the standing high bid plus two times the bid increment, the third bid amount equals the standing high bid plus three times the bid increment, etc.).

Until a bid has been placed on a license, the minimum acceptable bid for that license will be equal to its minimum opening bid. The additional bid amounts for licenses that have not yet received a bid are calculated using the difference between the minimum opening bid times one plus the minimum percentage increment, rounded⁹⁰, and the minimum opening bid. Therefore, when the minimum percentage increment equals 0.1, the first additional bid amount will be approximately ten percent higher than the minimum opening bid; the second, twenty percent; the third, thirty percent; etc.

In the case of a license for which the standing high bid has been withdrawn,⁹¹ the minimum acceptable

⁸⁹ Bidders must have sufficient eligibility to place a bid on the particular license. See Section III.D.3 "Amount of Upfront Payment," *infra*.

⁹⁰ The product of the minimum opening bid times one plus the minimum percentage increment is rounded to the nearest thousand if it is over ten thousand or to the nearest hundred if it is under ten thousand.

⁹¹ See Section IV.B.6 "Bid Removal and Bid Withdrawal," *infra*.

bid will equal the second highest bid received for the license. The additional bid amounts are calculated using the difference between the second highest bid times one plus the minimum percentage increment, rounded, and the second highest bid.

See Attachment G for more detail on the calculation of the various bid amounts.

Finally, bidders are cautioned in selecting their bid amounts because, as explained in the following section, bidders who withdraw a standing high bid from a previous round, even if mistakenly or erroneously made, are subject to bid withdrawal payments.

6. Bid Removal and Bid Withdrawal

In the *Auction No. 41 Comment Public Notice*, we proposed bid removal and bid withdrawal rules.⁹² With respect to bid withdrawals, we proposed limiting each bidder to withdrawals in no more than two rounds during the course of the auction. The two rounds in which withdrawals are utilized, we proposed, would be at the bidder's discretion. We received no comments on this issue.

Procedures. Before the close of a bidding round, a bidder has the option of removing any bids placed in that round. By using the "remove bid" function in the bidding system, a bidder may effectively "unsubmit" any bid placed within that round. A bidder removing a bid placed in the same round is not subject to withdrawal payments. Removing a bid will affect a bidder's activity for the round in which it is removed, *i.e.*, a bid that is subsequently removed does not count toward the bidder's activity requirement. This procedure, about which we received no comments, will enhance bidder flexibility during the auction. Therefore, we adopt these procedures for Auction No. 41.

Once a round closes, a bidder may no longer remove a bid. However, in later rounds, a bidder may withdraw standing high bids from previous rounds using the "withdraw bid" function (assuming that the bidder has not exhausted its withdrawal allowance). A high bidder that withdraws its standing high bid from a previous round during the auction is subject to the bid withdrawal payments specified in 47 C.F.R. § 1.2104(g).

In previous auctions, we have detected bidder conduct that, arguably, may have constituted strategic bidding through the use of bid withdrawals. While we continue to recognize the important role that bid withdrawals play in an auction, *i.e.*, reducing risk associated with efforts to secure various licenses in combination, we conclude that, for Auction No. 41, adoption of a limit on their use to two rounds is the most appropriate outcome. By doing so we believe we strike a reasonable compromise that will allow bidders to use withdrawals. Our decision on this issue is based upon our experience in prior auctions, particularly the PCS D, E and F block auctions, and 800 MHz SMR auction, and is in no way a reflection of our view regarding the likelihood of any speculation or "gaming" in this auction.

The Bureau will therefore limit the number of rounds in which bidders may place withdrawals to two rounds. These rounds will be at the bidder's discretion and there will be no limit on the number of bids that may be withdrawn in either of these rounds. Withdrawals during the auction will still be subject to the bid withdrawal payments specified in 47 C.F.R. § 1.2104(g). Bidders should note that abuse of the Commission's bid withdrawal procedures could result in the denial of the ability to bid on a market. If a high bid is withdrawn, the minimum accepted bid in the next round will be the prior round's second

⁹² *Auction No. 41 Comment Public Notice* at 9.

highest bid price, which may be less than, or equal to, in the case of tie bids, the amount of the withdrawn bid.⁹³ The additional bid amounts are calculated using the difference between the second highest bid times one plus the minimum percentage increment, rounded, and the second highest bid. The Commission will serve as a “place holder” on the license until a new acceptable bid is submitted on that license.

Calculation. Generally, the Commission imposes payments on bidders that withdraw high bids during the course of an auction.⁹⁴ If a bidder withdraws its bid and there is no higher bid in the same or subsequent auction(s), the bidder that withdrew its bid is responsible for the difference between its withdrawn bid and the net high bid in the same or subsequent auction(s). In the case of multiple bid withdrawals on a single license, within the same or subsequent auctions(s), the payment for each bid withdrawal will be calculated based on the sequence of bid withdrawals and the amounts withdrawn. No withdrawal payment will be assessed for a withdrawn bid if either the subsequent winning bid or any of the intervening subsequent withdrawn bids, in either the same or subsequent auctions(s), equals or exceeds that withdrawn bid. Thus, a bidder that withdraws a bid will not be responsible for any withdrawal payments if there is a subsequent higher bid in the same or subsequent auction(s). This policy allows bidders most efficiently to allocate their resources as well as to evaluate their bidding strategies and business plans during an auction while, at the same time, maintaining the integrity of the auction process. The Bureau retains the discretion to scrutinize multiple bid withdrawals on a single license for evidence of anti-competitive strategic behavior and take appropriate action when deemed necessary.

In the *Part 1 Fifth Report and Order*, the Commission modified Section 1.2104(g)(1) of the rules regarding assessments of interim bid withdrawal payments.⁹⁵ As amended, Section 1.2104(g)(1) provides that in instances in which bids have been withdrawn on a license that is not won in the same auction, the Commission will assess an interim withdrawal payment equal to 3 percent of the amount of the withdrawn bids. The 3 percent interim payment will be applied toward any final bid withdrawal payment that will be assessed after subsequent auction of the license. Assessing an interim bid withdrawal payment ensures that the Commission receives a minimal withdrawal payment pending assessment of any final withdrawal payment. The *Part 1 Fifth Report and Order* provides specific examples showing application of the bid withdrawal payment rule.⁹⁶

7. Round Results

In the *Auction No. 41 Comment Public Notice*, we proposed disclosing all information relating to the bids during Auction No. 41 after each round of bidding closes, including all bids and withdrawals placed in each round, the identity of the bidder placing each bid or withdrawal, and the net and gross amounts of each bid or withdrawal. We received no comments concerning this proposal. Accordingly, the Bureau adopts the proposal in the *Auction No. 41 Comment Public Notice*.

⁹³ The Bureau retains the discretion to lower the minimum acceptable bid on such licenses in the next round or in later rounds.

⁹⁴ See 47 C.F.R. §§ 1.2104(g), 1.2109.

⁹⁵ See *Part 1 Fifth Report and Order*, ¶ 15; 47 C.F.R. § 1.2104(g)(1).

⁹⁶ See *Part 1 Fifth Report and Order*, ¶ 15.

Bids placed during a round will not be published until the conclusion of that bidding period. After a round closes, the Bureau will post the results of the round for public access. Reports reflecting bidders' identities and bidder identification numbers for Auction No. 41 will be available before and during the auction. Thus, bidders will know in advance of this auction the identities of the bidders against which they are bidding.

8. Auction Announcements

The FCC will use auction announcements to announce items such as schedule changes and stage transitions. All FCC auction announcements will be available by clicking a link on the FCC Automated Auction System.

9. Maintaining the Accuracy of FCC Form 175 Information

As noted in Part II.H., after the short-form filing deadline, applicants may make only minor changes to their FCC Form 175 applications. For example, permissible minor changes include deletion and addition of authorized bidders (to a maximum of three) and certain revision of exhibits. Filers must make these changes on-line, and submit a letter summarizing the changes to:

Margaret Wiener, Chief
Auctions and Industry Analysis Division
Wireless Telecommunications Bureau
Federal Communications Commission
445 12th Street, SW, Room 4-A760
Washington, DC 20554

A separate copy of the letter should be mailed to Howard Davenport, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, 445 12th Street, SW, Room 4-A435, Washington, DC 20554. Questions about other changes should be directed to Howard Davenport at (202) 418-0660.

V. POST-AUCTION PROCEDURES

A. Down Payments and Withdrawn Bid Payments

After bidding has ended, the Commission will issue a public notice declaring the auction closed, identifying winning bidders, down payments and any withdrawn bid payments due.

Within ten business days after release of the auction closing notice, each winning bidder must submit sufficient funds (in addition to its upfront payment) to bring its total amount of money on deposit with the Government to 20 percent of its net winning bids (actual bids less any applicable small and very small business bidding credits). *See* 47 C.F.R. § 1.2107(b). In addition, by the same deadline all bidders must pay any bid withdrawal payments due under 47 C.F.R. § 1.2104(g), as discussed in "Bid Removal and Bid Withdrawal," Part IV.B.6. (Upfront payments are applied first to satisfy any withdrawn bid liability, before being applied toward down payments.)

B. Long-Form Application

Within ten business days after release of the auction closing notice, winning bidders must electronically submit a properly completed long-form application (FCC Form 601) and required exhibits for each

license won through Auction No. 41. Winning bidders that are small or very small businesses must include an exhibit demonstrating their eligibility for small and very small business bidding credits. *See* 47 C.F.R. §§ 1.2112(b). Further filing instructions will be provided to auction winners at the close of the auction.

C. Tribal Land Bidding Credit

A winning bidder that intends to use its license(s) to deploy facilities and provide services to federally-recognized tribal lands that are unserved by any telecommunications carrier or that have a telephone service penetration rate equal to or below 70 percent is eligible to receive a tribal land bidding credit as set forth in 47 C.F.R. §§ 1.2107 and 1.2110(f). A tribal land bidding credit is in addition to, and separate from, any other bidding credit for which a winning bidder may qualify.

Unlike other bidding credits that are requested prior to the auction, a winning bidder applies for the tribal land bidding credit *after* winning the auction when it files its long-form application (FCC Form 601). When filing the long-form application, the winning bidder will be required to advise the Commission whether it intends to seek a tribal land bidding credit, for each market won in the auction, by checking the designated box(es). After stating its intent to seek a tribal land bidding credit, the applicant will have 90 days from the close of the long-form filing window to amend its application to select the specific tribal lands to be served and provide the required tribal government certifications. Licensees receiving a tribal land bidding credit are subject to performance criteria as set forth in 47 C.F.R. § 1.2110(f).

For additional information on the tribal land bidding credit, including how the amount of the credit is calculated, applicants should review the Commission's rule making proceeding regarding tribal land bidding credits and related public notices.⁹⁷ Relevant documents can be viewed on the Commission's web site by going to <http://www.fcc.gov/wtb/auctions> and clicking on *Information on Tribal Land Bidding Credits*.

D. Default and Disqualification

Any high bidder that defaults or is disqualified after the close of the auction (*i.e.*, fails to remit the required down payment within the prescribed period of time, fails to submit a timely long-form application, fails to make full payment, or is otherwise disqualified) will be subject to the payments described in 47 C.F.R. § 1.2104(g)(2). In such event the Commission may re-auction the license or offer it to the next highest bidder (in descending order) at their final bid. *See* 47 C.F.R. § 1.2109(b) and (c). In addition, if a default or disqualification involves gross misconduct, misrepresentation, or bad faith by an applicant, the Commission may declare the applicant and its principals ineligible to bid in future auctions, and may take any other action that it deems necessary, including institution of proceedings to revoke any existing licenses held by the applicant. *See* 47 C.F.R. § 1.2109(d).

⁹⁷ *See* Extending Wireless Telecommunications Services to Tribal Lands, WT Docket No. 99-266, *Report and Order and Further Notice of Proposed Rule Making*, 15 FCC Rcd 11794 (2000); "Wireless Telecommunications Bureau Announces Availability of Bidding Credits For Providing Wireless Services To Qualifying Tribal Lands," *Public Notice*, 15 FCC Rcd 18351 (2000); "Wireless Telecommunications Bureau Releases Additional Information Regarding the Procedures for Obtaining a Tribal Lands Bidding Credit and List of Tribal Lands," *Public Notice*, DA 00-2836, (rel. December 14, 2000); and "Wireless Telecommunications Bureau Announces Enhancements to the Universal Licensing System to Help Winning Bidders of FCC Auctions File for Tribal Land Bidding Credits," *Public Notice*, DA 01-613, (rel. March 8, 2001).

E. Refund of Remaining Upfront Payment Balance

All applicants that submitted upfront payments but were not winning bidders for a license in Auction No. 41 may be entitled to a refund of their remaining upfront payment balance after the conclusion of the auction. No refund will be made unless there are excess funds on deposit from that applicant after any applicable bid withdrawal payments have been paid. All refunds will be returned to the payer of record, as identified on the FCC Form 159, unless the payer submits written authorization instructing otherwise.

Qualified bidders that have exhausted all of their activity rule waivers, have no remaining bidding eligibility, and have not withdrawn a high bid during the auction must submit a written refund request. If you have completed the refund instructions electronically, then only a written request for the refund is necessary. If not, the request must also include wire transfer instructions and a Taxpayer Identification Number (TIN). Send refund request to:

Federal Communications Commission
Financial Operations Center
Auctions Accounting Group
Michelle Bennett
445 12th Street, SW, Room 1-C864
Washington, DC 20554

Bidders are encouraged to file their refund information electronically using the refund information portion of the FCC Form 175, but bidders can also fax their information to the Auctions Accounting Group at (202) 418-2843. Once the information has been approved, a refund will be sent to the party identified in the refund information.

NOTE: Refund processing generally takes up to two weeks to complete. Bidders with questions about refunds should contact Tim Dates or Gail Glasser at (202) 418-1995.

Media Contact: Meribeth McCarrick at (202) 418-0654

Auctions and Industry Analysis Division: Howard Davenport, Legal Branch, or Lyle Ishida, Auctions Operations Branch, at (202) 418-0660; Lisa Stover, Auctions Operations Branch, at (717) 338-2888

Commercial Wireless Division: Gary Oshinsky, Policy and Rules Branch, at (202) 418-7167, or JoAnn Epps, Licensing and Technical Analysis Branch, at (202) 418-0620

- FCC -

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
	Nationwide Licenses								
NWA255	Nationwide	CNNWA25518	18	940.65 - 940.75	100	252,556,989	253,000	\$253,000	\$505,000
NWA255	Nationwide	CNNWA25519	19	901.3 - 901.35 and 930.5 - 930.55	100	252,556,989	253,000	\$253,000	\$505,000
NWA255	Nationwide	CNNWA25520	20	901.9 - 901.95 and 930.75 - 930.8	100	252,556,989	253,000	\$253,000	\$505,000
NWA255	Nationwide	CNNWA25521	21	901.5 - 901.55 and 930.0 and 930.15	200	252,556,989	505,000	\$505,000	\$1,010,000
NWA255	Nationwide	CNNWA25522	22	901.6 - 901.65 and 930.15 and 930.3	200	252,556,989	505,000	\$505,000	\$1,010,000
NWA255	Nationwide	CNNWA25523	23	901.45 - 901.5 and 940.55 - 940.65	150	252,556,989	379,000	\$379,000	\$758,000
NWA255	Nationwide	CNNWA25524	24	901.55 - 901.6 and 940.3 - 940.4	150	252,556,989	379,000	\$379,000	\$758,000
NWA255	Nationwide	CNNWA25525	25	901.85 - 901.9 and 940.45 - 940.55	150	252,556,989	379,000	\$379,000	\$758,000
	Nationwide Totals						2,906,000	\$2,906,000	\$5,809,000
	Major Trading Area (MTA) Licenses								
MTA001	New York	CNMTA00126	26	901.35 - 901.4 MHz	50.0	26,410,597	13,000	\$13,000	\$26,000
MTA001	New York	CNMTA00127	27	901.4 - 901.45 MHz	50.0	26,410,597	13,000	\$13,000	\$26,000
MTA001	New York	CNMTA00128	28	940.4 - 940.45 MHz	50.0	26,410,597	13,000	\$13,000	\$26,000
MTA001	New York	CNMTA00129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	26,410,597	26,000	\$26,000	\$53,000
MTA001	New York	CNMTA00130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	26,410,597	40,000	\$40,000	\$79,000
MTA001	New York	CNMTA00131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	26,410,597	53,000	\$53,000	\$106,000
MTA001	New York	CNMTA00132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	26,410,597	30,000	\$30,000	\$59,000
MTA002	Los Angeles-San Diego	CNMTA00226	26	901.35 - 901.4 MHz	50.0	19,145,232	9,600	\$9,600	\$19,000
MTA002	Los Angeles-San Diego	CNMTA00227	27	901.4 - 901.45 MHz	50.0	19,145,232	9,600	\$9,600	\$19,000
MTA002	Los Angeles-San Diego	CNMTA00228	28	940.4 - 940.45 MHz	50.0	19,145,232	9,600	\$9,600	\$19,000
MTA002	Los Angeles-San Diego	CNMTA00229	29	901.95 - 902.0 MHz	50.0	19,145,232	9,600	\$9,600	\$19,000
MTA002	Los Angeles-San Diego	CNMTA00230	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	19,145,232	29,000	\$29,000	\$57,000
MTA002	Los Angeles-San Diego	CNMTA00231	31	901.7 - 901.75 MHz and 930.85 - 930.9 MHz and 930.95 - 931.0 MHz	150.0	19,145,232	29,000	\$29,000	\$57,000
MTA002	Los Angeles-San Diego	CNMTA00232	32	901.8375 - 901.85 MHz and 940.975 - 941.0 MHz	37.5	19,145,232	7,200	\$7,200	\$14,000
MTA003	Chicago	CNMTA00326	26	901.35 - 901.4 MHz	50.0	12,069,700	6,000	\$6,000	\$12,000
MTA003	Chicago	CNMTA00327	27	901.4 - 901.45 MHz	50.0	12,069,700	6,000	\$6,000	\$12,000
MTA003	Chicago	CNMTA00328	28	940.4 - 940.45 MHz	50.0	12,069,700	6,000	\$6,000	\$12,000
MTA003	Chicago	CNMTA00329	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	12,069,700	12,000	\$12,000	\$24,000
MTA003	Chicago	CNMTA00330	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	12,069,700	18,000	\$18,000	\$36,000
MTA003	Chicago	CNMTA00331	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	12,069,700	24,000	\$24,000	\$48,000
MTA003	Chicago	CNMTA00332	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	12,069,700	14,000	\$14,000	\$27,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00426	26	901.35 - 901.4 MHz	50.0	11,891,177	5,900	\$5,900	\$12,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00427	27	901.4 - 901.45 MHz	50.0	11,891,177	5,900	\$5,900	\$12,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00428	28	940.4 - 940.45 MHz	50.0	11,891,177	5,900	\$5,900	\$12,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00429	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	11,891,177	12,000	\$12,000	\$24,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00430	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	11,891,177	18,000	\$18,000	\$36,000

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA004	San Francisco-Oakland-San Jose	CNMTA00431	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	11,891,177	24,000	\$24,000	\$48,000
MTA004	San Francisco-Oakland-San Jose	CNMTA00432	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	11,891,177	13,000	\$13,000	\$27,000
MTA005	Detroit	CNMTA00526	26	901.35 - 901.4 MHz	50.0	10,001,009	5,000	\$5,000	\$10,000
MTA005	Detroit	CNMTA00527	27	901.4 - 901.45 MHz	50.0	10,001,009	5,000	\$5,000	\$10,000
MTA005	Detroit	CNMTA00528	28	940.4 - 940.45 MHz	50.0	10,001,009	5,000	\$5,000	\$10,000
MTA005	Detroit	CNMTA00529	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	10,001,009	10,000	\$10,000	\$20,000
MTA005	Detroit	CNMTA00530	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	10,001,009	15,000	\$15,000	\$30,000
MTA005	Detroit	CNMTA00531	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	10,001,009	20,000	\$20,000	\$40,000
MTA005	Detroit	CNMTA00532	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	10,001,009	11,000	\$11,000	\$23,000
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00626	26	901.35 - 901.4 MHz	50.0	9,752,317	4,900	\$4,900	\$9,800
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00627	27	901.4 - 901.45 MHz	50.0	9,752,317	4,900	\$4,900	\$9,800
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00628	28	940.4 - 940.45 MHz	50.0	9,752,317	4,900	\$4,900	\$9,800
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00629	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	9,752,317	9,800	\$9,800	\$20,000
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00630	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	9,752,317	15,000	\$15,000	\$29,000
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00631	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	9,752,317	20,000	\$20,000	\$39,000
MTA006	Charlotte-Greensboro-Greenville-R	CNMTA00632	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	9,752,317	11,000	\$11,000	\$22,000
MTA007	Dallas-Fort Worth	CNMTA00726	26	901.35 - 901.4 MHz	50.0	9,694,157	4,800	\$4,800	\$9,700
MTA007	Dallas-Fort Worth	CNMTA00727	27	901.4 - 901.45 MHz	50.0	9,694,157	4,800	\$4,800	\$9,700
MTA007	Dallas-Fort Worth	CNMTA00728	28	940.4 - 940.45 MHz	50.0	9,694,157	4,800	\$4,800	\$9,700
MTA007	Dallas-Fort Worth	CNMTA00729	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	9,694,157	9,700	\$9,700	\$19,000
MTA007	Dallas-Fort Worth	CNMTA00730	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	9,694,157	15,000	\$15,000	\$29,000
MTA007	Dallas-Fort Worth	CNMTA00731	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	9,694,157	19,000	\$19,000	\$39,000
MTA007	Dallas-Fort Worth	CNMTA00732	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	9,694,157	11,000	\$11,000	\$22,000
MTA008	Boston-Providence	CNMTA00826	26	901.35 - 901.4 MHz	50.0	9,452,712	4,700	\$4,700	\$9,500
MTA008	Boston-Providence	CNMTA00827	27	901.4 - 901.45 MHz	50.0	9,452,712	4,700	\$4,700	\$9,500
MTA008	Boston-Providence	CNMTA00828	28	940.4 - 940.45 MHz	50.0	9,452,712	4,700	\$4,700	\$9,500
MTA008	Boston-Providence	CNMTA00829	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	9,452,712	9,500	\$9,500	\$19,000
MTA008	Boston-Providence	CNMTA00830	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	9,452,712	14,000	\$14,000	\$28,000
MTA008	Boston-Providence	CNMTA00831	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	9,452,712	19,000	\$19,000	\$38,000
MTA008	Boston-Providence	CNMTA00832	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	9,452,712	11,000	\$11,000	\$21,000
MTA009	Philadelphia	CNMTA00926	26	901.35 - 901.4 MHz	50.0	8,927,748	4,500	\$4,500	\$8,900
MTA009	Philadelphia	CNMTA00927	27	901.4 - 901.45 MHz	50.0	8,927,748	4,500	\$4,500	\$8,900
MTA009	Philadelphia	CNMTA00928	28	940.4 - 940.45 MHz	50.0	8,927,748	4,500	\$4,500	\$8,900
MTA009	Philadelphia	CNMTA00929	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	8,927,748	8,900	\$8,900	\$18,000
MTA009	Philadelphia	CNMTA00930	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	8,927,748	13,000	\$13,000	\$27,000
MTA009	Philadelphia	CNMTA00931	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	8,927,748	18,000	\$18,000	\$36,000
MTA009	Philadelphia	CNMTA00932	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	8,927,748	10,000	\$10,000	\$20,000
MTA010	Washington-Baltimore	CNMTA01026	26	901.35 - 901.4 MHz	50.0	7,777,875	3,900	\$3,900	\$7,800
MTA010	Washington-Baltimore	CNMTA01027	27	901.4 - 901.45 MHz	50.0	7,777,875	3,900	\$3,900	\$7,800
MTA010	Washington-Baltimore	CNMTA01028	28	940.4 - 940.45 MHz	50.0	7,777,875	3,900	\$3,900	\$7,800
MTA010	Washington-Baltimore	CNMTA01029	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	7,777,875	7,800	\$7,800	\$16,000
MTA010	Washington-Baltimore	CNMTA01030	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	7,777,875	12,000	\$12,000	\$23,000
MTA010	Washington-Baltimore	CNMTA01031	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	7,777,875	16,000	\$16,000	\$31,000
MTA010	Washington-Baltimore	CNMTA01032	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	7,777,875	8,800	\$8,800	\$18,000
MTA011	Atlanta	CNMTA01126	26	901.35 - 901.4 MHz	50.0	6,942,084	3,500	\$3,500	\$6,900
MTA011	Atlanta	CNMTA01127	27	901.4 - 901.45 MHz	50.0	6,942,084	3,500	\$3,500	\$6,900

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA011	Atlanta	CNMTA01128	28	940.4 - 940.45 MHz	50.0	6,942,084	3,500	\$3,500	\$6,900
MTA011	Atlanta	CNMTA01129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	6,942,084	6,900	\$6,900	\$14,000
MTA011	Atlanta	CNMTA01130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	6,942,084	10,000	\$10,000	\$21,000
MTA011	Atlanta	CNMTA01131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	6,942,084	14,000	\$14,000	\$28,000
MTA011	Atlanta	CNMTA01132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	6,942,084	7,800	\$7,800	\$16,000
MTA012	Minneapolis-St. Paul	CNMTA01226	26	901.35 - 901.4 MHz	50.0	5,986,039	3,000	\$3,000	\$6,000
MTA012	Minneapolis-St. Paul	CNMTA01227	27	901.4 - 901.45 MHz	50.0	5,986,039	3,000	\$3,000	\$6,000
MTA012	Minneapolis-St. Paul	CNMTA01228	28	940.4 - 940.45 MHz	50.0	5,986,039	3,000	\$3,000	\$6,000
MTA012	Minneapolis-St. Paul	CNMTA01229	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	5,986,039	6,000	\$6,000	\$12,000
MTA012	Minneapolis-St. Paul	CNMTA01230	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	5,986,039	9,000	\$9,000	\$18,000
MTA012	Minneapolis-St. Paul	CNMTA01231	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	5,986,039	12,000	\$12,000	\$24,000
MTA012	Minneapolis-St. Paul	CNMTA01232	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	5,986,039	6,700	\$6,700	\$13,000
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01326	26	901.35 - 901.4 MHz	50.0	5,417,788	2,700	\$2,700	\$5,400
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01327	27	901.4 - 901.45 MHz	50.0	5,417,788	2,700	\$2,700	\$5,400
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01328	28	940.4 - 940.45 MHz	50.0	5,417,788	2,700	\$2,700	\$5,400
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01329	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	5,417,788	5,400	\$5,400	\$11,000
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01330	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	5,417,788	8,100	\$8,100	\$16,000
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01331	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	5,417,788	11,000	\$11,000	\$22,000
MTA013	Tampa-St. Petersburg-Orlando	CNMTA01332	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	5,417,788	6,100	\$6,100	\$12,000
MTA014	Houston	CNMTA01426	26	901.35 - 901.4 MHz	50.0	5,190,849	2,600	\$2,600	\$5,200
MTA014	Houston	CNMTA01427	27	901.4 - 901.45 MHz	50.0	5,190,849	2,600	\$2,600	\$5,200
MTA014	Houston	CNMTA01428	28	940.4 - 940.45 MHz	50.0	5,190,849	2,600	\$2,600	\$5,200
MTA014	Houston	CNMTA01429	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	5,190,849	5,200	\$5,200	\$10,000
MTA014	Houston	CNMTA01430	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	5,190,849	7,800	\$7,800	\$16,000
MTA014	Houston	CNMTA01431	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	5,190,849	10,000	\$10,000	\$21,000
MTA014	Houston	CNMTA01432	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	5,190,849	5,800	\$5,800	\$12,000
MTA015	Miami-Fort Lauderdale	CNMTA01526	26	901.35 - 901.4 MHz	50.0	5,136,581	2,600	\$2,600	\$5,100
MTA015	Miami-Fort Lauderdale	CNMTA01527	27	901.4 - 901.45 MHz	50.0	5,136,581	2,600	\$2,600	\$5,100
MTA015	Miami-Fort Lauderdale	CNMTA01528	28	940.4 - 940.45 MHz	50.0	5,136,581	2,600	\$2,600	\$5,100
MTA015	Miami-Fort Lauderdale	CNMTA01529	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	5,136,581	5,100	\$5,100	\$10,000
MTA015	Miami-Fort Lauderdale	CNMTA01530	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	5,136,581	7,700	\$7,700	\$15,000
MTA015	Miami-Fort Lauderdale	CNMTA01531	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	5,136,581	10,000	\$10,000	\$21,000
MTA015	Miami-Fort Lauderdale	CNMTA01532	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	5,136,581	5,800	\$5,800	\$12,000
MTA016	Cleveland	CNMTA01626	26	901.35 - 901.4 MHz	50.0	4,945,749	2,500	\$2,500	\$4,900
MTA016	Cleveland	CNMTA01627	27	901.4 - 901.45 MHz	50.0	4,945,749	2,500	\$2,500	\$4,900
MTA016	Cleveland	CNMTA01628	28	940.4 - 940.45 MHz	50.0	4,945,749	2,500	\$2,500	\$4,900
MTA016	Cleveland	CNMTA01629	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,945,749	4,900	\$4,900	\$9,900
MTA016	Cleveland	CNMTA01630	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,945,749	7,400	\$7,400	\$15,000
MTA016	Cleveland	CNMTA01631	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,945,749	9,900	\$9,900	\$20,000
MTA016	Cleveland	CNMTA01632	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,945,749	5,600	\$5,600	\$11,000
MTA017	New Orleans-Baton Rouge	CNMTA01726	26	901.35 - 901.4 MHz	50.0	4,925,269	2,500	\$2,500	\$4,900
MTA017	New Orleans-Baton Rouge	CNMTA01727	27	901.4 - 901.45 MHz	50.0	4,925,269	2,500	\$2,500	\$4,900
MTA017	New Orleans-Baton Rouge	CNMTA01728	28	940.4 - 940.45 MHz	50.0	4,925,269	2,500	\$2,500	\$4,900
MTA017	New Orleans-Baton Rouge	CNMTA01729	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,925,269	4,900	\$4,900	\$9,900
MTA017	New Orleans-Baton Rouge	CNMTA01730	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,925,269	7,400	\$7,400	\$15,000

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA017	New Orleans-Baton Rouge	CNMTA01731	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,925,269	9,900	\$9,900	\$20,000
MTA017	New Orleans-Baton Rouge	CNMTA01732	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,925,269	5,500	\$5,500	\$11,000
MTA018	Cincinnati-Dayton	CNMTA01826	26	901.35 - 901.4 MHz	50.0	4,716,665	2,400	\$2,400	\$4,700
MTA018	Cincinnati-Dayton	CNMTA01827	27	901.4 - 901.45 MHz	50.0	4,716,665	2,400	\$2,400	\$4,700
MTA018	Cincinnati-Dayton	CNMTA01828	28	940.4 - 940.45 MHz	50.0	4,716,665	2,400	\$2,400	\$4,700
MTA018	Cincinnati-Dayton	CNMTA01829	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,716,665	4,700	\$4,700	\$9,400
MTA018	Cincinnati-Dayton	CNMTA01830	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,716,665	7,100	\$7,100	\$14,000
MTA018	Cincinnati-Dayton	CNMTA01831	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,716,665	9,400	\$9,400	\$19,000
MTA018	Cincinnati-Dayton	CNMTA01832	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,716,665	5,300	\$5,300	\$11,000
MTA019	St. Louis	CNMTA01926	26	901.35 - 901.4 MHz	50.0	4,663,926	2,300	\$2,300	\$4,700
MTA019	St. Louis	CNMTA01927	27	901.4 - 901.45 MHz	50.0	4,663,926	2,300	\$2,300	\$4,700
MTA019	St. Louis	CNMTA01928	28	940.4 - 940.45 MHz	50.0	4,663,926	2,300	\$2,300	\$4,700
MTA019	St. Louis	CNMTA01929	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,663,926	4,700	\$4,700	\$9,300
MTA019	St. Louis	CNMTA01930	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,663,926	7,000	\$7,000	\$14,000
MTA019	St. Louis	CNMTA01931	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,663,926	9,300	\$9,300	\$19,000
MTA019	St. Louis	CNMTA01932	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,663,926	5,200	\$5,200	\$10,000
MTA020	Milwaukee	CNMTA02026	26	901.35 - 901.4 MHz	50.0	4,541,432	2,300	\$2,300	\$4,500
MTA020	Milwaukee	CNMTA02027	27	901.4 - 901.45 MHz	50.0	4,541,432	2,300	\$2,300	\$4,500
MTA020	Milwaukee	CNMTA02028	28	940.4 - 940.45 MHz	50.0	4,541,432	2,300	\$2,300	\$4,500
MTA020	Milwaukee	CNMTA02029	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,541,432	4,500	\$4,500	\$9,100
MTA020	Milwaukee	CNMTA02030	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,541,432	6,800	\$6,800	\$14,000
MTA020	Milwaukee	CNMTA02031	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,541,432	9,100	\$9,100	\$18,000
MTA020	Milwaukee	CNMTA02032	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,541,432	5,100	\$5,100	\$10,000
MTA021	Pittsburgh	CNMTA02126	26	901.35 - 901.4 MHz	50.0	4,102,766	2,100	\$2,100	\$4,100
MTA021	Pittsburgh	CNMTA02127	27	901.4 - 901.45 MHz	50.0	4,102,766	2,100	\$2,100	\$4,100
MTA021	Pittsburgh	CNMTA02128	28	940.4 - 940.45 MHz	50.0	4,102,766	2,100	\$2,100	\$4,100
MTA021	Pittsburgh	CNMTA02129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	4,102,766	4,100	\$4,100	\$8,200
MTA021	Pittsburgh	CNMTA02130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	4,102,766	6,200	\$6,200	\$12,000
MTA021	Pittsburgh	CNMTA02131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	4,102,766	8,200	\$8,200	\$16,000
MTA021	Pittsburgh	CNMTA02132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	4,102,766	4,600	\$4,600	\$9,200
MTA022	Denver	CNMTA02226	26	901.35 - 901.4 MHz	50.0	3,880,637	1,900	\$1,900	\$3,900
MTA022	Denver	CNMTA02227	27	901.4 - 901.45 MHz	50.0	3,880,637	1,900	\$1,900	\$3,900
MTA022	Denver	CNMTA02228	28	940.4 - 940.45 MHz	50.0	3,880,637	1,900	\$1,900	\$3,900
MTA022	Denver	CNMTA02229	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,880,637	3,900	\$3,900	\$7,800
MTA022	Denver	CNMTA02230	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,880,637	5,800	\$5,800	\$12,000
MTA022	Denver	CNMTA02231	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,880,637	7,800	\$7,800	\$16,000
MTA022	Denver	CNMTA02232	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,880,637	4,400	\$4,400	\$8,700
MTA023	Richmond-Norfolk	CNMTA02326	26	901.35 - 901.4 MHz	50.0	3,846,210	1,900	\$1,900	\$3,800
MTA023	Richmond-Norfolk	CNMTA02327	27	901.4 - 901.45 MHz	50.0	3,846,210	1,900	\$1,900	\$3,800
MTA023	Richmond-Norfolk	CNMTA02328	28	940.4 - 940.45 MHz	50.0	3,846,210	1,900	\$1,900	\$3,800
MTA023	Richmond-Norfolk	CNMTA02329	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,846,210	3,800	\$3,800	\$7,700
MTA023	Richmond-Norfolk	CNMTA02330	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,846,210	5,800	\$5,800	\$12,000
MTA023	Richmond-Norfolk	CNMTA02331	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,846,210	7,700	\$7,700	\$15,000
MTA023	Richmond-Norfolk	CNMTA02332	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,846,210	4,300	\$4,300	\$8,700
MTA024	Seattle (Excluding Alaska)	CNMTA02426	26	901.35 - 901.4 MHz	50.0	3,827,175	1,900	\$1,900	\$3,800

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA024	Seattle (Excluding Alaska)	CNMTA02427	27	901.4 - 901.45 MHz	50.0	3,827,175	1,900	\$1,900	\$3,800
MTA024	Seattle (Excluding Alaska)	CNMTA02428	28	940.4 - 940.45 MHz	50.0	3,827,175	1,900	\$1,900	\$3,800
MTA024	Seattle (Excluding Alaska)	CNMTA02429	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,827,175	3,800	\$3,800	\$7,700
MTA024	Seattle (Excluding Alaska)	CNMTA02430	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,827,175	5,700	\$5,700	\$11,000
MTA024	Seattle (Excluding Alaska)	CNMTA02431	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,827,175	7,700	\$7,700	\$15,000
MTA024	Seattle (Excluding Alaska)	CNMTA02432	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,827,175	4,300	\$4,300	\$8,600
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02526	26	901.35 - 901.4 MHz	50.0	3,623,846	1,800	\$1,800	\$3,600
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02527	27	901.4 - 901.45 MHz	50.0	3,623,846	1,800	\$1,800	\$3,600
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02528	28	940.4 - 940.45 MHz	50.0	3,623,846	1,800	\$1,800	\$3,600
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02529	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,623,846	3,600	\$3,600	\$7,200
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02530	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,623,846	5,400	\$5,400	\$11,000
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02531	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,623,846	7,200	\$7,200	\$14,000
MTA025	Puerto Rico-U.S. Virgin Islands	CNMTA02532	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,623,846	4,100	\$4,100	\$8,200
MTA026	Louisville-Lexington-Evansville	CNMTA02626	26	901.35 - 901.4 MHz	50.0	3,556,648	1,800	\$1,800	\$3,600
MTA026	Louisville-Lexington-Evansville	CNMTA02627	27	901.4 - 901.45 MHz	50.0	3,556,648	1,800	\$1,800	\$3,600
MTA026	Louisville-Lexington-Evansville	CNMTA02628	28	940.4 - 940.45 MHz	50.0	3,556,648	1,800	\$1,800	\$3,600
MTA026	Louisville-Lexington-Evansville	CNMTA02629	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,556,648	3,600	\$3,600	\$7,100
MTA026	Louisville-Lexington-Evansville	CNMTA02630	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,556,648	5,300	\$5,300	\$11,000
MTA026	Louisville-Lexington-Evansville	CNMTA02631	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,556,648	7,100	\$7,100	\$14,000
MTA026	Louisville-Lexington-Evansville	CNMTA02632	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,556,648	4,000	\$4,000	\$8,000
MTA027	Phoenix	CNMTA02726	26	901.35 - 901.4 MHz	50.0	3,510,140	1,800	\$1,800	\$3,500
MTA027	Phoenix	CNMTA02727	27	901.4 - 901.45 MHz	50.0	3,510,140	1,800	\$1,800	\$3,500
MTA027	Phoenix	CNMTA02728	28	940.4 - 940.45 MHz	50.0	3,510,140	1,800	\$1,800	\$3,500
MTA027	Phoenix	CNMTA02729	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,510,140	3,500	\$3,500	\$7,000
MTA027	Phoenix	CNMTA02730	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,510,140	5,300	\$5,300	\$11,000
MTA027	Phoenix	CNMTA02731	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,510,140	7,000	\$7,000	\$14,000
MTA027	Phoenix	CNMTA02732	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,510,140	3,900	\$3,900	\$7,900
MTA028	Memphis-Jackson	CNMTA02826	26	901.35 - 901.4 MHz	50.0	3,465,226	1,700	\$1,700	\$3,500
MTA028	Memphis-Jackson	CNMTA02827	27	901.4 - 901.45 MHz	50.0	3,465,226	1,700	\$1,700	\$3,500
MTA028	Memphis-Jackson	CNMTA02828	28	940.4 - 940.45 MHz	50.0	3,465,226	1,700	\$1,700	\$3,500
MTA028	Memphis-Jackson	CNMTA02829	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,465,226	3,500	\$3,500	\$6,900
MTA028	Memphis-Jackson	CNMTA02830	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,465,226	5,200	\$5,200	\$10,000
MTA028	Memphis-Jackson	CNMTA02831	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,465,226	6,900	\$6,900	\$14,000
MTA028	Memphis-Jackson	CNMTA02832	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,465,226	3,900	\$3,900	\$7,800
MTA029	Birmingham	CNMTA02926	26	901.35 - 901.4 MHz	50.0	3,244,076	1,600	\$1,600	\$3,200
MTA029	Birmingham	CNMTA02927	27	901.4 - 901.45 MHz	50.0	3,244,076	1,600	\$1,600	\$3,200
MTA029	Birmingham	CNMTA02928	28	940.4 - 940.45 MHz	50.0	3,244,076	1,600	\$1,600	\$3,200
MTA029	Birmingham	CNMTA02929	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,244,076	3,200	\$3,200	\$6,500
MTA029	Birmingham	CNMTA02930	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,244,076	4,900	\$4,900	\$9,700
MTA029	Birmingham	CNMTA02931	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,244,076	6,500	\$6,500	\$13,000
MTA029	Birmingham	CNMTA02932	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,244,076	3,600	\$3,600	\$7,300
MTA030	Portland	CNMTA03026	26	901.35 - 901.4 MHz	50.0	3,059,948	1,500	\$1,500	\$3,100
MTA030	Portland	CNMTA03027	27	901.4 - 901.45 MHz	50.0	3,059,948	1,500	\$1,500	\$3,100
MTA030	Portland	CNMTA03028	28	940.4 - 940.45 MHz	50.0	3,059,948	1,500	\$1,500	\$3,100
MTA030	Portland	CNMTA03029	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,059,948	3,100	\$3,100	\$6,100

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA030	Portland	CNMTA03030	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,059,948	4,600	\$4,600	\$9,200
MTA030	Portland	CNMTA03031	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,059,948	6,100	\$6,100	\$12,000
MTA030	Portland	CNMTA03032	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,059,948	3,400	\$3,400	\$6,900
MTA031	Indianapolis	CNMTA03126	26	901.35 - 901.4 MHz	50.0	3,017,475	1,500	\$1,500	\$3,000
MTA031	Indianapolis	CNMTA03127	27	901.4 - 901.45 MHz	50.0	3,017,475	1,500	\$1,500	\$3,000
MTA031	Indianapolis	CNMTA03128	28	940.4 - 940.45 MHz	50.0	3,017,475	1,500	\$1,500	\$3,000
MTA031	Indianapolis	CNMTA03129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,017,475	3,000	\$3,000	\$6,000
MTA031	Indianapolis	CNMTA03130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,017,475	4,500	\$4,500	\$9,100
MTA031	Indianapolis	CNMTA03131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,017,475	6,000	\$6,000	\$12,000
MTA031	Indianapolis	CNMTA03132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,017,475	3,400	\$3,400	\$6,800
MTA032	Des Moines-Quad Cities	CNMTA03226	26	901.35 - 901.4 MHz	50.0	3,006,139	1,500	\$1,500	\$3,000
MTA032	Des Moines-Quad Cities	CNMTA03227	27	901.4 - 901.45 MHz	50.0	3,006,139	1,500	\$1,500	\$3,000
MTA032	Des Moines-Quad Cities	CNMTA03228	28	940.4 - 940.45 MHz	50.0	3,006,139	1,500	\$1,500	\$3,000
MTA032	Des Moines-Quad Cities	CNMTA03229	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	3,006,139	3,000	\$3,000	\$6,000
MTA032	Des Moines-Quad Cities	CNMTA03230	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	3,006,139	4,500	\$4,500	\$9,000
MTA032	Des Moines-Quad Cities	CNMTA03231	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	3,006,139	6,000	\$6,000	\$12,000
MTA032	Des Moines-Quad Cities	CNMTA03232	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	3,006,139	3,400	\$3,400	\$6,800
MTA033	San Antonio	CNMTA03326	26	901.35 - 901.4 MHz	50.0	2,986,524	1,500	\$1,500	\$3,000
MTA033	San Antonio	CNMTA03327	27	901.4 - 901.45 MHz	50.0	2,986,524	1,500	\$1,500	\$3,000
MTA033	San Antonio	CNMTA03328	28	940.4 - 940.45 MHz	50.0	2,986,524	1,500	\$1,500	\$3,000
MTA033	San Antonio	CNMTA03329	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,986,524	3,000	\$3,000	\$6,000
MTA033	San Antonio	CNMTA03330	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,986,524	4,500	\$4,500	\$9,000
MTA033	San Antonio	CNMTA03331	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,986,524	6,000	\$6,000	\$12,000
MTA033	San Antonio	CNMTA03332	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,986,524	3,400	\$3,400	\$6,700
MTA034	Kansas City	CNMTA03426	26	901.35 - 901.4 MHz	50.0	2,913,304	1,500	\$1,500	\$2,900
MTA034	Kansas City	CNMTA03427	27	901.4 - 901.45 MHz	50.0	2,913,304	1,500	\$1,500	\$2,900
MTA034	Kansas City	CNMTA03428	28	940.4 - 940.45 MHz	50.0	2,913,304	1,500	\$1,500	\$2,900
MTA034	Kansas City	CNMTA03429	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,913,304	2,900	\$2,900	\$5,800
MTA034	Kansas City	CNMTA03430	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,913,304	4,400	\$4,400	\$8,700
MTA034	Kansas City	CNMTA03431	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,913,304	5,800	\$5,800	\$12,000
MTA034	Kansas City	CNMTA03432	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,913,304	3,300	\$3,300	\$6,600
MTA035	Buffalo-Rochester	CNMTA03526	26	901.35 - 901.4 MHz	50.0	2,777,046	1,400	\$1,400	\$2,800
MTA035	Buffalo-Rochester	CNMTA03527	27	901.4 - 901.45 MHz	50.0	2,777,046	1,400	\$1,400	\$2,800
MTA035	Buffalo-Rochester	CNMTA03528	28	940.4 - 940.45 MHz	50.0	2,777,046	1,400	\$1,400	\$2,800
MTA035	Buffalo-Rochester	CNMTA03529	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,777,046	2,800	\$2,800	\$5,600
MTA035	Buffalo-Rochester	CNMTA03530	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,777,046	4,200	\$4,200	\$8,300
MTA035	Buffalo-Rochester	CNMTA03531	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,777,046	5,600	\$5,600	\$11,000
MTA035	Buffalo-Rochester	CNMTA03532	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,777,046	3,100	\$3,100	\$6,200
MTA036	Salt Lake City	CNMTA03626	26	901.35 - 901.4 MHz	50.0	2,573,372	1,300	\$1,300	\$2,600
MTA036	Salt Lake City	CNMTA03627	27	901.4 - 901.45 MHz	50.0	2,573,372	1,300	\$1,300	\$2,600
MTA036	Salt Lake City	CNMTA03628	28	940.4 - 940.45 MHz	50.0	2,573,372	1,300	\$1,300	\$2,600
MTA036	Salt Lake City	CNMTA03629	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,573,372	2,600	\$2,600	\$5,100
MTA036	Salt Lake City	CNMTA03630	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,573,372	3,900	\$3,900	\$7,700
MTA036	Salt Lake City	CNMTA03631	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,573,372	5,100	\$5,100	\$10,000
MTA036	Salt Lake City	CNMTA03632	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,573,372	2,900	\$2,900	\$5,800

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA037	Jacksonville	CNMTA03726	26	901.35 - 901.4 MHz	50.0	2,274,933	1,100	\$1,100	\$2,300
MTA037	Jacksonville	CNMTA03727	27	901.4 - 901.45 MHz	50.0	2,274,933	1,100	\$1,100	\$2,300
MTA037	Jacksonville	CNMTA03728	28	940.4 - 940.45 MHz	50.0	2,274,933	1,100	\$1,100	\$2,300
MTA037	Jacksonville	CNMTA03729	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,274,933	2,300	\$2,300	\$4,500
MTA037	Jacksonville	CNMTA03730	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,274,933	3,400	\$3,400	\$6,800
MTA037	Jacksonville	CNMTA03731	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,274,933	4,500	\$4,500	\$9,100
MTA037	Jacksonville	CNMTA03732	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,274,933	2,600	\$2,600	\$5,100
MTA038	Columbus	CNMTA03826	26	901.35 - 901.4 MHz	50.0	2,145,561	1,100	\$1,100	\$2,100
MTA038	Columbus	CNMTA03827	27	901.4 - 901.45 MHz	50.0	2,145,561	1,100	\$1,100	\$2,100
MTA038	Columbus	CNMTA03828	28	940.4 - 940.45 MHz	50.0	2,145,561	1,100	\$1,100	\$2,100
MTA038	Columbus	CNMTA03829	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,145,561	2,100	\$2,100	\$4,300
MTA038	Columbus	CNMTA03830	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,145,561	3,200	\$3,200	\$6,400
MTA038	Columbus	CNMTA03831	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,145,561	4,300	\$4,300	\$8,600
MTA038	Columbus	CNMTA03832	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,145,561	2,400	\$2,400	\$4,800
MTA039	El Paso-Alberquerque	CNMTA03926	26	901.35 - 901.4 MHz	50.0	2,113,890	1,100	\$1,100	\$2,100
MTA039	El Paso-Alberquerque	CNMTA03927	27	901.4 - 901.45 MHz	50.0	2,113,890	1,100	\$1,100	\$2,100
MTA039	El Paso-Alberquerque	CNMTA03928	28	940.4 - 940.45 MHz	50.0	2,113,890	1,100	\$1,100	\$2,100
MTA039	El Paso-Alberquerque	CNMTA03929	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,113,890	2,100	\$2,100	\$4,200
MTA039	El Paso-Alberquerque	CNMTA03930	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,113,890	3,200	\$3,200	\$6,300
MTA039	El Paso-Alberquerque	CNMTA03931	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,113,890	4,200	\$4,200	\$8,500
MTA039	El Paso-Alberquerque	CNMTA03932	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,113,890	2,400	\$2,400	\$4,800
MTA040	Little Rock	CNMTA04026	26	901.35 - 901.4 MHz	50.0	2,051,667	1,000	\$1,000	\$2,100
MTA040	Little Rock	CNMTA04027	27	901.4 - 901.45 MHz	50.0	2,051,667	1,000	\$1,000	\$2,100
MTA040	Little Rock	CNMTA04028	28	940.4 - 940.45 MHz	50.0	2,051,667	1,000	\$1,000	\$2,100
MTA040	Little Rock	CNMTA04029	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	2,051,667	2,100	\$2,100	\$4,100
MTA040	Little Rock	CNMTA04030	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	2,051,667	3,100	\$3,100	\$6,200
MTA040	Little Rock	CNMTA04031	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	2,051,667	4,100	\$4,100	\$8,200
MTA040	Little Rock	CNMTA04032	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	2,051,667	2,300	\$2,300	\$4,600
MTA041	Oklahoma City	CNMTA04126	26	901.35 - 901.4 MHz	50.0	1,877,478	1,000	\$1,000	\$1,900
MTA041	Oklahoma City	CNMTA04127	27	901.4 - 901.45 MHz	50.0	1,877,478	1,000	\$1,000	\$1,900
MTA041	Oklahoma City	CNMTA04128	28	940.4 - 940.45 MHz	50.0	1,877,478	1,000	\$1,000	\$1,900
MTA041	Oklahoma City	CNMTA04129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,877,478	1,900	\$1,900	\$3,800
MTA041	Oklahoma City	CNMTA04130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,877,478	2,800	\$2,800	\$5,600
MTA041	Oklahoma City	CNMTA04131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,877,478	3,800	\$3,800	\$7,500
MTA041	Oklahoma City	CNMTA04132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,877,478	2,100	\$2,100	\$4,200
MTA042	Spokane-Billings	CNMTA04226	26	901.35 - 901.4 MHz	50.0	1,863,335	1,000	\$1,000	\$1,900
MTA042	Spokane-Billings	CNMTA04227	27	901.4 - 901.45 MHz	50.0	1,863,335	1,000	\$1,000	\$1,900
MTA042	Spokane-Billings	CNMTA04228	28	940.4 - 940.45 MHz	50.0	1,863,335	1,000	\$1,000	\$1,900
MTA042	Spokane-Billings	CNMTA04229	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,863,335	1,900	\$1,900	\$3,700
MTA042	Spokane-Billings	CNMTA04230	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,863,335	2,800	\$2,800	\$5,600
MTA042	Spokane-Billings	CNMTA04231	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,863,335	3,700	\$3,700	\$7,500
MTA042	Spokane-Billings	CNMTA04232	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,863,335	2,100	\$2,100	\$4,200
MTA043	Nashville	CNMTA04326	26	901.35 - 901.4 MHz	50.0	1,767,391	1,000	\$1,000	\$1,800
MTA043	Nashville	CNMTA04327	27	901.4 - 901.45 MHz	50.0	1,767,391	1,000	\$1,000	\$1,800
MTA043	Nashville	CNMTA04328	28	940.4 - 940.45 MHz	50.0	1,767,391	1,000	\$1,000	\$1,800

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA043	Nashville	CNMTA04329	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,767,391	1,800	\$1,800	\$3,500
MTA043	Nashville	CNMTA04330	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,767,391	2,700	\$2,700	\$5,300
MTA043	Nashville	CNMTA04331	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,767,391	3,500	\$3,500	\$7,100
MTA043	Nashville	CNMTA04332	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,767,391	2,000	\$2,000	\$4,000
MTA044	Knoxville	CNMTA04426	26	901.35 - 901.4 MHz	50.0	1,721,911	1,000	\$1,000	\$1,700
MTA044	Knoxville	CNMTA04427	27	901.4 - 901.45 MHz	50.0	1,721,911	1,000	\$1,000	\$1,700
MTA044	Knoxville	CNMTA04428	28	940.4 - 940.45 MHz	50.0	1,721,911	1,000	\$1,000	\$1,700
MTA044	Knoxville	CNMTA04429	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,721,911	1,700	\$1,700	\$3,400
MTA044	Knoxville	CNMTA04430	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,721,911	2,600	\$2,600	\$5,200
MTA044	Knoxville	CNMTA04431	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,721,911	3,400	\$3,400	\$6,900
MTA044	Knoxville	CNMTA04432	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,721,911	1,900	\$1,900	\$3,900
MTA045	Omaha	CNMTA04526	26	901.35 - 901.4 MHz	50.0	1,659,273	1,000	\$1,000	\$1,700
MTA045	Omaha	CNMTA04527	27	901.4 - 901.45 MHz	50.0	1,659,273	1,000	\$1,000	\$1,700
MTA045	Omaha	CNMTA04528	28	940.4 - 940.45 MHz	50.0	1,659,273	1,000	\$1,000	\$1,700
MTA045	Omaha	CNMTA04529	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,659,273	1,700	\$1,700	\$3,300
MTA045	Omaha	CNMTA04530	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,659,273	2,500	\$2,500	\$5,000
MTA045	Omaha	CNMTA04531	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,659,273	3,300	\$3,300	\$6,600
MTA045	Omaha	CNMTA04532	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,659,273	1,900	\$1,900	\$3,700
MTA046	Wichita	CNMTA04626	26	901.35 - 901.4 MHz	50.0	1,124,174	1,000	\$1,000	\$1,100
MTA046	Wichita	CNMTA04627	27	901.4 - 901.45 MHz	50.0	1,124,174	1,000	\$1,000	\$1,100
MTA046	Wichita	CNMTA04628	28	940.4 - 940.45 MHz	50.0	1,124,174	1,000	\$1,000	\$1,100
MTA046	Wichita	CNMTA04629	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,124,174	1,100	\$1,100	\$2,200
MTA046	Wichita	CNMTA04630	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,124,174	1,700	\$1,700	\$3,400
MTA046	Wichita	CNMTA04631	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,124,174	2,200	\$2,200	\$4,500
MTA046	Wichita	CNMTA04632	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,124,174	1,300	\$1,300	\$2,500
MTA047	Honolulu	CNMTA04726	26	901.35 - 901.4 MHz	50.0	1,108,229	1,000	\$1,000	\$1,100
MTA047	Honolulu	CNMTA04727	27	901.4 - 901.45 MHz	50.0	1,108,229	1,000	\$1,000	\$1,100
MTA047	Honolulu	CNMTA04728	28	940.4 - 940.45 MHz	50.0	1,108,229	1,000	\$1,000	\$1,100
MTA047	Honolulu	CNMTA04729	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,108,229	1,100	\$1,100	\$2,200
MTA047	Honolulu	CNMTA04730	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,108,229	1,700	\$1,700	\$3,300
MTA047	Honolulu	CNMTA04731	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,108,229	2,200	\$2,200	\$4,400
MTA047	Honolulu	CNMTA04732	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,108,229	1,200	\$1,200	\$2,500
MTA048	Tulsa	CNMTA04826	26	901.35 - 901.4 MHz	50.0	1,096,396	1,000	\$1,000	\$1,100
MTA048	Tulsa	CNMTA04827	27	901.4 - 901.45 MHz	50.0	1,096,396	1,000	\$1,000	\$1,100
MTA048	Tulsa	CNMTA04828	28	940.4 - 940.45 MHz	50.0	1,096,396	1,000	\$1,000	\$1,100
MTA048	Tulsa	CNMTA04829	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	1,096,396	1,100	\$1,100	\$2,200
MTA048	Tulsa	CNMTA04830	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	1,096,396	1,600	\$1,600	\$3,300
MTA048	Tulsa	CNMTA04831	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	1,096,396	2,200	\$2,200	\$4,400
MTA048	Tulsa	CNMTA04832	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	1,096,396	1,200	\$1,200	\$2,500
MTA049	Alaska	CNMTA04926	26	901.35 - 901.4 MHz	50.0	550,043	1,000	\$1,000	\$1,000
MTA049	Alaska	CNMTA04927	27	901.4 - 901.45 MHz	50.0	550,043	1,000	\$1,000	\$1,000
MTA049	Alaska	CNMTA04928	28	940.4 - 940.45 MHz	50.0	550,043	1,000	\$1,000	\$1,000
MTA049	Alaska	CNMTA04929	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	550,043	1,000	\$1,000	\$1,100
MTA049	Alaska	CNMTA04930	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	550,043	1,000	\$1,000	\$1,700
MTA049	Alaska	CNMTA04931	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	550,043	1,100	\$1,100	\$2,200

**Auction #41 - Narrowband PCS
Attachment A**

Market Number	Market Name	License Number	Channel Number	Frequencies (MHz)	Bandwidth (kHz)	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
MTA049	Alaska	CNMTA04932	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	550,043	1,000	\$1,000	\$1,200
MTA050	Guam-Northern Mariana Islands	CNMTA05026	26	901.35 - 901.4 MHz	50.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05027	27	901.4 - 901.45 MHz	50.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05028	28	940.4 - 940.45 MHz	50.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05029	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05030	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05031	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	176,497	1,000	\$1,000	\$1,000
MTA050	Guam-Northern Mariana Islands	CNMTA05032	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	176,497	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05126	26	901.35 - 901.4 MHz	50.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05127	27	901.4 - 901.45 MHz	50.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05128	28	940.4 - 940.45 MHz	50.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05129	29	901.95 - 902.0 MHz and 930.8 - 930.85 MHz	100.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05130	30	901.65 - 901.7 MHz and 930.3 - 930.4 MHz	150.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05131	31	901.7 - 901.75 MHz and 930.85 - 931.0 MHz	200.0	46,773	1,000	\$1,000	\$1,000
MTA051	American Samoa	CNMTA05132	32	901.8375 - 901.85 MHz and 940.9 - 941.0 MHz	112.5	46,773	1,000	\$1,000	\$1,000
	MTA Totals						1,788,900	\$1,788,900	\$3,544,200
	Auction Grand Total						4,694,900	4,694,900	9,353,200

VII. ATTACHMENT B

FCC AUCTION SEMINAR REGISTRATION FORM

Auction No. 41

The FCC will sponsor a one-day seminar for Auction No. 41 applicants. The seminar is free of charge and will provide information about pre-auction procedures, service and auction rules, conduct of the auction, and the Automated Auction System.

A maximum of two representatives from each company may attend on a reservation basis, first-come first-served until room capacity is filled. Additional seating may be available on a stand-by basis the day of the seminar. The seminar will be held:

Wednesday, August 15, 2001
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Registration 9:30 a.m. – 10:00 a.m.
Seminar 10:00 a.m. - 4 p.m.

If hotel accommodations are needed

Please contact 1-888-225-5322 (option #2) for a list of hotels in the area

To register, complete the form below and
return no later than

Monday, August 13, 2001, by mail or fax to:

FCC Auction 41
Auctions Operations Branch
1270 Fairfield Road
Gettysburg, PA 17325-7245

FAX: 717-338-2850
Phone: 717-338-2888

I/We will attend the Auction No. 41 Seminar, scheduled for Wednesday, August 15, 2001.

Name of attendee: _____

Name of attendee: _____

Company name: _____

Phone: _____

Fax: _____

VIII. ATTACHMENT C

ELECTRONIC FILING AND REVIEW OF THE FCC FORM 175

Applicants must submit their FCC Form 175 applications electronically, using either the Internet or the FCC Wide-Area Network. The FCC Wide-Area Network will generally be available 24 hours per day. FCC Form 175 applications must be submitted and confirmed by **6:00 p.m. ET on Friday, August 24, 2001**. Late applications or unconfirmed submissions of electronic data will not be accepted.

Applicants must press the **SUBMIT Application** button on the *Submission* page to successfully submit their FCC Form 175. The electronic filing process consists of an initial filing period and a resubmission period to make minor corrections. During each filing period, submitted applications may be updated and amended multiple times until the filing deadline.

A. Software Requirements

Applicants will need to meet the following minimum software requirements:

- Web Browser, either of the following:
 - ◆ Netscape Communicator 4.0 or higher
 - ◆ Microsoft Internet Explorer 4.0 or higher
- PDF Viewer: Adobe Acrobat Reader 4.0 or higher (available at <http://www.adobe.com>)

B. Submitting FCC Form 175 Applications

You can submit FCC Form 175 applications electronically via the Internet. Start your web browser and point it to either <https://wtbwww27.fcc.gov/> (primary location) or <https://wtbwww37.fcc.gov/> (secondary location) to obtain the Form 175 Homepage.

Note: If you have problems with the Internet, you may submit FCC Form 175 applications via the FCC Wide-Area Network, using Dial-Up Networking. For details, refer to the *Accessing the FCC Network to File FCC Form 175* attachment.

1. Logging On

The Form 175 Homepage has a Form 175 Logon area at the top right. This area provides fields that let you identify yourself to the system before submitting a Form 175 application. Once you have logged on, you can click the **New Form** link to obtain the *Profile* page for the auction.

2. Uploading Attachments

When uploading attachments from the Form 175 *Attachments* page, applicants may use a variety of file formats--including Word 2000 or earlier, WordPerfect 6.x or earlier, Adobe PDF, and ASCII text -- and should verify that the files contain all exhibit information. Also note the following about files to be uploaded:

- Graphics files (e.g., *.bmp*, *.tiff*, *.jpg*) and spreadsheets (e.g., Excel, Lotus) are not supported,
- Word processing files that are uploaded may not contain graphic images.
- Do not include punctuation marks (e.g., ? . - ,) in the name of a file to be uploaded. The FCC system will not be able to convert that file.
- Do not upload a password-protected file. The FCC system will not be able to open it or convert it.

The system converts each uploaded attachment to PDF format. (The conversion process generally completes within 30 minutes.) Until the system has converted your file to PDF format, the description field shows *Not converted*.

Repeat this procedure for each additional attachment you want to add. When you have finished adding attachments, click the **Continue to CERTIFICATION** button to obtain the *Certification* page.

If you are unable to read this file after it has been converted, please do the following:

1. Re-upload the attachment.
2. If the file still has not been converted properly, then simplify the formatting of the file.

For example, if you are using a Table structure in a WordPerfect document, remove the Table structure and leave the contents of the table, then re-upload the attachment.

After you have successfully re-uploaded an attachment, please delete the old, unreadable attachment files using their **Delete** links.

3. Completing the Submission Procedure

Applicants must press the **SUBMIT Application** button on the *Submission* page to successfully submit their FCC Form 175. Pressing **SUBMIT Application** produces a *Submission Confirmation* page showing the assigned FCC Account Number. During the filing period, submitted applications may be updated and amended multiple times until the filing deadline.

C. Reviewing FCC Form 175 Applications

Once the FCC has completed the 175 Review process, you can view FCC Form 175 applications electronically by searching for them in the FCC database. Start your web browser and point it to

either <https://wtbwww27.fcc.gov/> (primary location) or <https://wtbwww37.fcc.gov/> (secondary location). Click the **SEARCH** link at the top of the page. When the *Form 175 Search* page appears, select the search criteria you want and then click the **Submit** button.

D. Help

For technical assistance with installing or 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 7 a.m. to 10 p.m. ET, Saturday from 8 a.m. to 7 p.m. ET, and Sunday from 12 noon to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*

You can also contact Technical Support via e-mail. To obtain the address, click the **Support** tab on the Form 175 Homepage.

IX. ATTACHMENT D

GUIDELINES FOR COMPLETION OF FCC FORM 175 AND EXHIBITS

A. FCC Form 175

Because of the significance of the FCC Form 175 application to the auction, bidders should especially note the following:

Applicant: Name given is used as your bidder name in the auction.

Address: Applicants must provide a street address (not a Post Office box number) for the applicant, suitable for mail or private parcel delivery.

Legal Classification: Applicants must indicate their legal classification. The FCC Form 175 requires the applicant to classify itself as an individual, joint venture, partnership, trust, corporation, consortium, association, limited liability corporation (LLC) or government entity.

Applicant Status: Applicants are also requested to indicate their status as a rural telephone company, minority-owned business and/or women-owned business, so that the FCC can monitor its performance in promoting economic opportunities for these designated entities.

Contact person/address: If the Commission wishes to communicate with the applicant by telephone or fax, those communications will be directed to the contact person identified on the FCC Form 175. Space is provided for an address, telephone number, fax number, and e-mail address. All written communication and registration information will be directed to the applicant's contact person at the address specified on the FCC Form 175. Applicants must provide a street address; no P.O. Box addresses may be used.

Authorized Bidders: Applicants must list the name(s) of the person(s) (no more than three) authorized to represent them at the auction. Only those individuals listed on the FCC Form 175 will be authorized to place or withdraw bids for the applicant during the auction.

Bidding Credit Eligibility: Applicants that qualify for a small or very small business bidding credit must select the applicable bidding credit (15 percent or 25 percent) in the bidding credit eligibility item on the Form 175. Applicants are advised that this is the sole opportunity applicants have to elect small business status and bidding credit level (if applicable). There is no opportunity to change the election once the short-form filing deadline passes on August 24, 2001.

Telephonic or Electronic Bidding Options: Bidders may participate in the auction either electronically (via the Internet) or telephonically, and must specify their preference. To participate in the auction, every authorized bidder must have a SecurID card, which the FCC will provide free of charge.

License Selection: Applicants should select all licenses on which they want to be eligible to bid in the auction. Be advised that there is no opportunity to change this list once the short-form filing deadline passes on August 24, 2001. It is critically important that you confirm the licenses that you have selected because the FCC auction system will not accept bids on licenses for which an applicant has not applied on its FCC Form 175.

The online Form 175 application provides filters that enable you to generate a list of licenses by License Area (Nationwide or MTA), Market, and/or Channel Number. Once you obtain this customized list, you can use it to select the licenses you are interested in.

B. Exhibits and Attachments

In addition to the FCC Form 175 itself, applicants must submit additional information required by the FCC's rules. If attachments are not uploaded, the FCC Form 175 submission process cannot be completed. Although the FCC does not require a particular format for this information, it has developed the following guidelines that will facilitate the processing of short-form applications. The FCC encourages applicants to submit this information using the following format.

If you find that an attachment has not converted properly to Adobe PDF format, take the following steps:

- 1) *Simplify the formatting of the file. For example, if using a Table structure in a WordPerfect document, remove the Table structure leaving the contents of the table, re-save the document.*
- 2) *Re-upload the attachment.*
- 3) *When the re-uploaded attachment has successfully converted, delete the failed attachment.*

NOTE: Applicants should not list their TIN numbers on any exhibits to their FCC Form 175s.

Exhibit A -- Applicant Identity and Ownership Information: 47 C.F.R. § 1.2105(a)(2)(ii) requires each applicant to fully disclose the real party or parties-in-interest in an exhibit to its FCC Form 175 application. Each member of an applicant applying to bid as a small business consortium must provide this information. The following information is required:

1. General Information

<i>Applicant Status</i>	<i>Required Information</i>
General Partnership	Name, citizenship, and address of all partners, and the share or interest participation of each partner
Limited Partnership	Name, citizenship, and address of each limited partner whose interest in the applicant is equal to or greater than 10 percent (as calculated according to the percentage of equity paid in and the percentage of distribution of profits and losses)
Corporation	Corporate name and address; and name, title, and citizenship of a responsible officer or director
Limited Liability Corporation	Corporate name and address; and name, address, and citizenship of all members whose interest in the applicant is equal to or greater than 10 percent (as calculated according to the percentage of equity paid in and the percentage of distribution of profits and losses)
Trust	Name, citizenship, and address of trustee
None of the above	Name, citizenship, title or other relation to the applicant, and address of

Applicant Status

Required Information

a principal or other responsible person

2. Ownership Information

Applicant Status

All applicants

Required Information

Name, citizenship, and address of all controlling interests of the applicant as discussed in Part II.D.3 of this public notice.

All applicants

Name, citizenship, and address of all parties holding 10 percent or more of each class of stock, warrants, options or debt securities and the amount and percentage held.

All applicants

Name of all parties holding a 10 percent or greater interest in the applicant and the specific amount held.

All applicants

List of all parties holding indirect ownership interests in the applicant that equals 10 percent or more, as determined by successive multiplication of the ownership percentages in each link of the vertical ownership chain, that equals 10 percent or more of the applicant, except that if the ownership percentage for any link in the chain exceeds 50 percent or represents actual control, it shall be reported as if it were a 100 percent interest.

Example. Company A owns 10% of Company B, which owns 60% of Company C, which owns 25% of the applicant. Company B's interest in the applicant would be 25% (the same as Company C's interest since Company B's interest in Company C exceeds 50%), and Company A's interest in the applicant would be 2.5% ($0.1 * 0.25$). Under the 10% attribution benchmark, Company B's interest in the applicant must be reported on the applicant's FCC Form 175 Exhibit A, while Company A's interest in the applicant need not be reported. However, if Company A owned 40% of Company B in the above example, then Company A's interest in the applicant would be 10% ($0.4 * 0.25$), and the applicant would need to report it on the applicant's FCC Form 175 Exhibit A

All applicants

List of any FCC-licensed entity or applicant for an FCC license, in which

- a. the applicant;
- b. any party with a 10 percent or greater interest in the applicant; or
- c. a controlling interest (as discussed in Part II.D.3 of this public notice) that owns a 10 percent or greater interest of the applicant or 10 percent or more of any class of stock, warrants, options or debt securities of the applicant. (*See also* 47 C.F.R. § 1.2110) This list must include a description of each such entities' principal business and a description of each such entities' relationship to

Applicant Status

Required Information

the applicant.

Example of a. The applicant owns 10 percent of Company A (an FCC licensed entity or an applicant for an FCC license). The applicant must list Company A on its FCC Form 175 Exhibit A and provide the required information.

Example of b. Company A owns 10 percent of the applicant and 10 percent of Company B (an FCC licensed entity or an applicant for an FCC license). The applicant must list both Company A and Company B on its FCC Form 175 Exhibit A and provide the required information.

Example of c. Company A owns 55% of the applicant and owns 10 percent of Company B (an FCC licensed entity or an Applicant for an FCC license). The applicant must list both Company A and Company B on its FCC Form 175 Exhibit A and provide the required information.

Exhibit B – Agreements with Other Parties/Joint Bidding Arrangements: Applicants must attach an exhibit identifying all parties with which they have entered into any agreements, arrangements or understandings which relate in any way to the licenses being auctioned, including any relating to the post-auction market structure. *See* 47 C.F.R. §1.2105(a)(2)(viii).

Be aware that pursuant to Certification (4) on the FCC Form 175, the applicant certifies that it will not enter into any explicit or implicit agreements or understandings of any kind with parties not identified in the application regarding bid amounts, bidding strategies, or the particular licenses the applicant will or will not bid. *See* 47 C.F.R. § 1.2105(a)(2)(ix). *To prevent collusion, the Commission's Rules generally prohibit applicants for licenses covering the same geographic area from communicating concerning bids, bidding strategies, or settlements during the period between the initial short-form applications filing deadline and the deadline for down payments on licenses won in the auction.* 47 C.F.R. § 1.2105(c).

Exhibit C –Status as a Small Business or Very Small Business: Applicants claiming status as a very small business or small business must attach an exhibit providing the following information regarding this status.

Entity

Applicant

Required Information

Average annual gross revenues for the preceding three years set forth *both separately (e.g., for each of the three preceding three years individually) and in the aggregate* (for all of the preceding three years combined). Certification that the average of the aggregated annual gross revenues for the preceding three years do not exceed the required limit, or providing average gross revenues for the 3-year period without providing the gross revenues for each of the preceding three years, is insufficient.

Applicant's Affiliates
See 47 CFR § 1.2110

Same information required as discussed above

Applicant's Controlling Interests

Same information required as discussed above

Entity

See 47 CFR §§ 1.2110 and 1.2112.

Required Information

Example. The applicant had gross revenues of \$500,000 in 1998, \$1,000,000 in 1999, and \$3,000,000 in 2000, with average gross revenues for that time period of \$1,500,000. The applicant owns 60% of Company A, making Company A an affiliate of the applicant under Section 1.2110(c)(4)(i)(B), and Company B owns 52% of the applicant (making Company B a controlling interest of the applicant, as defined in Part II.D.3 of this public notice.) The applicant's Exhibit C would look like this:

Applicant Name

1998 gross revenues	\$ 500,000
1999 gross revenues	\$ 1,000,000
2000 gross revenues	\$ 3,000,000
Average gross revenues for the preceding 3 years	\$ 1,500,000

Company A (an affiliate of the applicant)

1998 gross revenues	\$ enter amount
1999 gross revenues	\$ enter amount
2000 gross revenues	\$ enter amount
Average gross revenues for the preceding 3 years	\$ enter amount

Company B (a controlling interest in the applicant)

1998 gross revenues	\$ enter amount
1999 gross revenues	\$ enter amount
2000 gross revenues	\$ enter amount
Average gross revenues for the preceding 3 years	\$ enter amount

TOTAL: combined average gross revenues for the preceding three years of the applicant, the applicant's affiliates and their controlling interests

NOTE: Each member of an applicant that is applying to bid as a consortium of small or very small businesses must provide this information and qualify for the claimed status.

Exhibit D – Information Required of All Applicants Regarding Prior Defaults and Prior Delinquencies: Each applicant must include at Exhibit D a statement made under penalty of perjury indicating whether or not the applicant or its affiliates has ever been in default on any Commission licenses or has ever been delinquent on any non-tax debt owed to any Federal agency. If any of an applicant’s controlling interests holders or their affiliates, as defined by Section 1.2110 of the Commission’s rules (as recently amended in the *Part 1 Fifth Report and Order*) has ever been in default on any Commission license or has ever been delinquent on any non-tax debt owed to any Federal agency, the applicant must include such information as part of the same attached statement.

Exhibit E -- Information Requested of Designated Entities: Applicants owned by minorities or women, as defined in 47 C.F.R. § 1.2110(c), or that are rural telephone companies, may attach an exhibit regarding this status. This information, in conjunction with the information requested on the FCC Form 175, will assist the Commission in monitoring the participation of these “designated entities” in its auctions.

Exhibit F -- Miscellaneous Information: Applicants wishing to submit additional information should include it in Exhibit F.

Waivers: Applicants requesting waiver of any rules must submit a statement of reasons sufficient to justify the waiver sought. *See* 47 C.F.R. §§ 1.3, 1.925.

Certifications: Applicants should carefully read the list of certifications on the FCC Form 175. These certifications help to ensure a fair and competitive auction and require, among other things, disclosure to the Commission of certain information on applicant ownership and agreements or arrangements concerning the auction. Submission of an FCC Form 175 application constitutes a representation by the certifying official that he or she is an authorized representative of the applicant, has read the form’s instructions and certifications, and that the contents of the application and its attachments are true and correct. Submission of a false certification to the Commission may result in penalties, including monetary forfeitures, license forfeitures, ineligibility to participate in future auctions, and/or criminal prosecution.

Completeness: Applicants must submit all information required by the FCC Form 175 and by applicable rules. Failure to submit required information by the resubmission date will result in dismissal of the application and inability to participate in the auction. *See* 47 C.F.R. § 1.2105(b).

NOTE: Applicants must press the “SUBMIT Application” button on the “Submission” page to successfully submit their FCC Form 175.

Continuing Accuracy: Each applicant is responsible for the continuing accuracy and completeness of information furnished in the FCC Form 175 and its exhibits. *See* 47 C.F.R. § 1.65. It is the FCC’s position that during the conduct of an auction, thirty business days from a reportable change is a reasonable period of time. Applicants are reminded that they consent to be audited in the certification section of the FCC Form 175 (see certification item number 6).

Applicants are reminded that all information required in connection with applications to participate in spectrum auctions is necessary to determine the applicants’ qualifications, and as such will be available for public inspection. Required proprietary information may be redacted, or confidentiality may be requested,

following the procedures set forth in 47 C.F.R. § 0.459. Such requests must be submitted in writing to Margaret Wiener, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, 445 12th Street, SW, Room 4-A760, Washington, DC 20554 (with a separate copy mailed to Howard Davenport, Legal Branch, Auctions and Industry Analysis Division, Room 4-A435), in which case the applicant must indicate in Exhibit F that it has filed a confidentiality request. Because the required information bears on applicants' qualifications, the FCC envisions that confidentiality requests will not be routinely granted.

X. ATTACHMENT E

**AUCTION-SPECIFIC INSTRUCTIONS FOR
FCC REMITTANCE ADVICE (FCC FORM 159-February 2000 edition)**

A. Upfront Payments

The following information supplements the standard instructions for FCC Form 159 (Revised 2/00), and is provided to help ensure correct completion of FCC Form 159 for upfront payments for Auction No. 41. Applicants need to complete FCC Form 159 carefully, since:

- Mistakes may affect their bidding eligibility; and
- Lack of consistency between information set forth in FCC Form 159 (Revised 2/00), FCC Form 175, long-form application, and correspondence about an application may cause processing delays.

Therefore appropriate cross-references between the FCC Form 159 Remittance Advice and the FCC Form 175 Short Form Application are described below:

Block Number	Required Information
1	LOCKBOX # - Enter "358420"
2	Payer Name - Enter the name of the person or company making the payment. If the applicant itself is the payer, this entry would be the same as FCC Form 175.
3	Total Amount Paid - Enter the amount of the upfront payment associated with the FCC Form 159 (Revised 2/00).
4-8	Street Address, City, State, ZIP Code - Enter the street mailing address (not Post Office box number) where mail should be sent to the payer. If the applicant is the payer, these entries would be the same as FCC Form 175 from the Applicant Information section.
9	Daytime Telephone Number - Enter the telephone number of a person knowledgeable about this upfront payment.
10	Country Code - For addresses outside the United States, enter the appropriate postal country code (available from the Mailing Requirements Department of the U.S. Postal Service).
11	Payer FRN – Enter the payer’s ten-digit FCC Registration Number (FRN) if they have registered in the Commission Registration System (CORES).
12	Payer TIN – Enter the payer’s nine-digit Taxpayer Identification Number (TIN).
24A	Payment Type Code - Enter "A41U"

- 25A Quantity - Enter the number "1"
- 26A Fee Due - Amount of Upfront Payment
- 27A Total Fee - Will be the same amount as 26A.
- 28A FCC Code 1 - Enter the number "41" (indicating Auction No. 41).

NOTES:

- Do not use Remittance Advice (Continuation Sheet), FCC Form 159-C, for upfront payments.
- If applicant is different from the payer, complete blocks 13 through 22 for the applicant, using the same information shown on FCC Form 175. Otherwise leave them blank.
- Since credit card payments will not be accepted for this auction, leave Section E blank.

B. Winning Bidder Requirements, Down Payments and Final Payments

Specific information regarding down payments and final payments will be included in a post-auction public notice announcing the winning bidders.

XI. ATTACHMENT F

ACCESSING THE FCC NETWORK TO FILE FCC FORM 175

This attachment describes how to access the FCC Network from a system that is running the Microsoft Windows 95 or Microsoft Windows 98 operating system. This involves configuring dial-up network access and then performing the dial-up procedure.

Note: Dial-up access to the FCC Network is *not* required to submit or review FCC Form 175 applications. You can perform those functions from the Internet, by pointing your web browser to either <https://wtbwww27.fcc.gov/> (primary location) or <https://wtbwww37.fcc.gov/> (secondary location). For more details, refer to the *Electronic Filing and Review of the FCC Form 175* attachment.

A. 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., *Applicant* 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 <https://wtbwww27.fcc.gov/>, you should type all of the characters shown in bold italic exactly as they are printed.

B. Accessing the FCC Network to Submit FCC Form 175 Applications

The following section provides the instructions for configuring the dial-up network access in preparation for submitting FCC Form 175 applications. The subsequent section gives the dial-up procedure.

1. Configuring Dial-Up Networking

1. To start dial-up networking:
 - a. Click the Windows 95/98 **Start** button.
 - b. Click the **Programs** option to display the Programs menu.
 - c. Click the **Accessories** option to display the Accessories menu.

- d. In Windows 95, click **Dial-Up Networking**.
In Windows 98, click **Communications**, then **Dial-Up Networking**.

If **Dial-Up Networking** is not an option on your Accessories menu, you should install it from your Windows 95/98 CD or diskettes.

2. When the Dial-Up Networking window appears, double-click the **Make New Connection** icon.

The Make New Connection window appears.

3. Type **FCC Auctions 877#** in the field titled *Type a name for the computer you are dialing*.

4. In Windows 95, click the down arrow at the right of the *Select a modem* field and select your modem from the menu of available modems.

In Windows 98, click the down arrow at the right of the *Select a device* field and select your modem from the menu of available devices.

If your modem does not appear on this list, you must install your modem driver according to the modem manufacturer installation procedures, which are usually described in your modem's user manual.

5. Click the **Next** button.
6. Type **877** and **844-2788** in the *Area Code* and *Telephone Number* fields, respectively.

If you need to dial 9 or some other digit to get an outside line, include that digit in the *Area Code* field. For example, you might type **9, 1 877** in this field.

7. Verify that the correct country is selected in the *Country code* field.

If necessary, click the down arrow at the right of the *Country code* field and select the appropriate country from the menu of available countries.

8. Click the **Next** button.
9. Click the **Finish** button.

An icon labeled *FCC Auctions 877#* appears in the Dial-Up Networking window.

10. Verify that properties are configured correctly before attempting a dial-up session. Put the mouse pointer on the icon and click the **right** mouse button to display a menu. Click **Properties** from the menu.
11. Click the **Configure** button. Click the **Options** tab at the top of the Properties window.

12. In the *Connection control* area of the Options tab, verify that *neither* option is selected. If either option is selected, click the check box at the left of the option to deselect it. Then click **OK**.
13. In Windows 95, click the **Server Type...** button.

In Windows 98, click the **Server Types** tab at the top of the Properties window.
14. In the *Advanced Options* area, verify that **only** *Enable software compression* is selected. If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
15. In the *Allowed Network Protocols* area, **verify that only TCP/IP is selected**.

If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
16. Click the **TCP/IP Settings** button. On the TCP/IP Settings window, select *Server assigned IP addresses* at the top and select *Specify name server addresses* midway down the window.
17. Type **165.135.79.95** as the Primary DNS and **165.135.241.149** as the Secondary DNS. Ensure that these two options are checked:
 - Use IP header compression
 - Use default gateway or remote network
18. Click **OK** on the *TCP/IP Settings* window and the *Server Type* window.
19. Close the *Dial-Up Networking* window.
20.
 - a. Click the Windows 95/98 **Start** button, then click the **Settings** option to display the Settings menu.
 - b. Click **Control Panel** and then double-click the **Network** icon.
 - c. Highlight the *TCP/IP Protocol* and click **Properties**. If there are multiple TCP/IP protocols, highlight *TCP/IP --> Dial-Up Adapter* and click **Properties**.

In a Windows 98 environment, a confirmation dialog appears. Read the information on the dialog, then click the **OK** button.
 - d. Click the **DNS Configuration** tab and then click the **Enable DNS** radio button at the top.
 - e. Type **bidder** in the *Host* box and type **fcc.gov** in the *Domain* box.

Note: You are limited to three DNS entries. If you already have three DNS entries, you must delete two of them before performing the next two steps. To do this, click the first entry you want to delete and click the **Remove** button. Then click the second entry you want to delete and click the **Remove** button again.

- f. Type **165.135.79.95** in the DNS Server Search Order box and click the **Add** button.
- g. Type **165.135.241.149** in the DNS Server Search Order box and click **Add** again.
- h. Click **OK** on the TCP/IP Properties windows, then click **OK** on the Network windows.

If you are prompted to restart your computer, click **Yes** to restart, then begin the Dial-Up Procedure.

2. Dial-Up Procedure

1. If the Dial-Up Networking window is not currently open, do the following:
 - a. Click the Windows 95/98 **Start** button.
 - b. Click the **Programs** option to display the Programs menu.
 - c. Click the **Accessories** option to display the Accessories menu.
 - d. In Windows 95, click **Dial-Up Networking**
In Windows 98, click **Communications**, then **Dial-Up Networking**.

The Dial-Up Networking window appears.

2. In the Dial-Up Networking window, double-click the **FCC Auctions 877#** icon.
3. Click the **Connect** button on the window. *Do not enter User name or Password.*

The Connection window appears, indicating the status of your connection as your modem dials into the system. This window must remain running during your dial-up session. You may minimize the window, if you wish.

If your modem fails to establish a connection, please see the *Troubleshooting* section.

C. Submitting FCC Form 175 Applications

After you have connected to the FCC Network, start your web browser and point it to either ***https://wtbwww27.fcc.gov/*** (primary location) or ***https://wtbwww37.fcc.gov/*** (secondary location) to obtain the Form 175 Homepage. For more details refer to the attachment titled *Electronic Filing and Review of the FCC Form 175*.

D. Removing the Dial-Up Networking Service

Once you have finished using the dial-up networking service, you can remove it from your computer, as follows:

1. Click the **Windows 95/98 Start** button, then click the **Settings** option to display the Settings menu.
2. Click **Control Panel** and then double-click the **Network** icon.
3. Highlight the *TCP/IP Protocol* and click **Properties**. If there are multiple TCP/IP protocols, highlight *TCP/IP --> Dial-Up Adapter* and click **Properties**.

In a Windows 98 environment, a confirmation dialog appears. Read the information on the dialog, then click the **OK** button.

4. Click the **DNS Configuration** tab.
5. Click the DNS Server Search Order box containing *165.135.79.95* to select it, then click the **Remove** button.
6. Similarly, click the DNS Server Search Order box containing *165.135.241.149* to select it, then click the **Remove** button.
7. Click **OK** on the TCP/IP Properties windows, then click **OK** on the Network windows.
8. If you are prompted to restart your computer, click **Yes** to restart.
9. Remove the **FCC Auctions 877#** icon from your desktop. That is, click the icon with your *right* mouse button and then click the **Delete** option in the pull-down menu.

E. Troubleshooting

Following are solutions to problems you may encounter using Dial-Up Networking.

1. Modem does not respond

1. Confirm that all physical connections for the modem are present.
2. Confirm that the phone line is active by connecting it to a telephone and checking for a dial-tone.
3. Confirm that the correct modem driver is installed for your modem.

2. Modem dials but does not connect

1. Confirm that the number the modem is dialing is correct.
2. Confirm that the modem prefix, if any, is correct.

Using a Backup Dial-In Number. If the number and prefix are correct, the 877 number being dialed may be experiencing problems. In this case, you can reconfigure the dial-up software using an alternate dial-in number, which is also toll-free. To use the backup number, perform the *Configuring Dial-Up Networking* procedure again, but this time make the following changes:

- In Step 3, type **FCC Auctions 800#** in the field titled *Type a name for the computer you are dialing*.
- In Step 6, type **800** and **378-7435** in the *Area Code* and *Telephone Number* fields, respectively.
- In Step 17, type **165.135.241.149** as the Primary DNS.
- In Step 20f, type **165.135.241.149** in the DNS Server Search Order box.

3. Modem dials and connects, but nothing appears when you enter the Location in the Web browser

1. Verify the Dial-Up Networking settings specified in the *Configuring Dial-Up Networking* section.
2. Confirm that your Web browser is not using proxies:
 - a) On your browser, click the **Preferences** option in the Edit menu.
 - b) In the Category area at the left, double-click **Advanced**.
 - c) Click the Advanced structure's **Proxies** option.
 - d) Click the radio button labeled **Direct connection to the Internet**.
 - e) Click the **OK** button at the bottom of the window.

4. Receive an Internal Server error in the Web browser

1. Confirm that the *Location* is set to ***https://wtbwww27.fcc.gov/*** or ***https://wtbwww37.fcc.gov/***
2. On your browser, click the **Preferences** option in the Edit menu. In the Category area at the left, double-click **Advanced**. In the area at the top, confirm that *Enable Java* and *Enable JavaScript* are selected. In the Cookies area, confirm that *Accept all cookies* is selected.

F. Help

For technical assistance with installing or 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 7 a.m. to 10 p.m. ET, Saturday from 8 a.m. to 7 p.m. ET, and Sunday from 12 noon to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*

You can also contact Technical Support via e-mail. To obtain the address, click the **Support** tab on the Form 175 Homepage.

XII. ATTACHMENT G

Minimum Acceptable Bids, Bid Increments, and the Smoothing Formula

The Automated Auction System calculates the minimum acceptable bids and bid increments for each license with a standing high bid in each round of the auction based on all bidding activity for the license. For this auction, the Commission will use a standard smoothing methodology to calculate minimum acceptable bids and bid increments.

The smoothing formula calculates minimum acceptable bids by first calculating a *percentage increment*, not to be confused with the *bid increment*, for each license based on a weighted average of the activity received on each license in all previous rounds. This methodology tailors the percentage increment for each license based on activity, rather than setting a global increment for all licenses.

In a given round, the calculation of the percentage increment for each license is made at the end of the previous round. The computation is based on an activity index, which is calculated as the weighted average of the activity in that round and the activity index from the prior round. The activity index at the start of the auction (round 0) will be set at 0. The current activity index is equal to a weighting factor times the number of new bids received on the license in the most recent bidding round plus one minus the weighting factor times the activity index from the prior round. The activity index is then used to calculate a percentage increment by multiplying a minimum percentage increment by one plus the activity index with that result being subject to a maximum percentage increment. The Commission will initially set the weighting factor at 0.5, the minimum percentage increment at 0.1 (10%), and the maximum percentage increment at 0.2 (20%).

Equations

$$A_i = (C * B_i) + ((1-C) * A_{i-1})$$

$$I_{i+1} = \text{smaller of } ((1 + A_i) * N) \text{ and } M$$

$$X_{i+1} = I_{i+1} * Y_i$$

where,

A_i = activity index for the current round (round i)

C = activity weight factor

B_i = number of bids in the current round (round i)

A_{i-1} = activity index from previous round (round $i-1$), A_0 is 0

I_{i+1} = percentage increment for the next round (round $i+1$)

N = minimum percentage increment or percentage increment floor

M = maximum percentage increment or percentage increment ceiling

X_{i+1} = dollar amount associated with the percentage increment

Y_i = high bid from the current round

Under the smoothing methodology, once a bid has been received on a license, the minimum acceptable bid for that license in the following round will be the high bid from the current round plus the dollar amount associated with the percentage increment, with the result rounded to the nearest thousand if it is over ten thousand or to the nearest hundred if it is under ten thousand.

Examples

License 1

C=0.5, N = 0.1, M = 0.2

Round 1 (2 new bids, high bid = \$1,000,000)

1. Calculation of percentage increment for round 2 using the smoothing formula:

$$A_1 = (0.5 * 2) + (0.5 * 0) = 1$$

$$I_2 = \text{The smaller of } ((1 + 1) * 0.1) = 0.2 \text{ or } 0.2 \text{ (the maximum percentage increment)}$$

2. Calculation of dollar amount associated with the percentage increment for round 2 (using I_2 from above):

$$X_2 = 0.2 * \$1,000,000 = \$200,000$$

3. Minimum acceptable bid for round 2 = \$1,200,000

Round 2 (3 new bids, high bid = \$2,000,000)

1. Calculation of percentage increment for round 3 using the smoothing formula:

$$A_2 = (0.5 * 3) + (0.5 * 1) = 2$$

$$I_3 = \text{The smaller of } ((1 + 2) * 0.1) = 0.3 \text{ or } 0.2 \text{ (the maximum percentage increment)}$$

2. Calculation of dollar amount associated with the percentage increment for round 3 (using I_3 from above):

$$X_3 = 0.2 * \$2,000,000 = \$400,000$$

3. Minimum acceptable bid for round 3 = \$2,400,000

Round 3 (1 new bid, high bid = \$2,400,000)

1. Calculation of percentage increment for round 4 using the smoothing formula:

$$A_3 = (0.5 * 1) + (0.5 * 2) = 1.5$$

$$I_4 = \text{The smaller of } ((1 + 1.5) * 0.1) = 0.25 \text{ or } 0.2 \text{ (the maximum percentage increment)}$$

2. Calculation of dollar amount associated with the percentage increment for round 4 (using I_4 from above):

$$X_4 = 0.2 * \$2,400,000 = \$480,000$$

3. Minimum acceptable bid for round 4 = \$2,880,000

As stated above, until a bid has been placed on a license, the minimum acceptable bid for that license will be equal to its minimum opening bid. The additional bid amounts are calculated using the difference between the minimum opening bid times one plus the minimum percentage increment, rounded as described above, and the minimum opening bid. That is, $I = (\text{minimum opening bid})(1 + N)\{\text{rounded}\} - (\text{minimum opening bid})$. Therefore, when N equals 0.1, the first additional bid amount will be approximately ten percent higher than the minimum opening bid; the second, twenty percent; the third, thirty percent; etc.

In the case of a license for which the standing high bid has been withdrawn, the minimum acceptable bid will equal the second highest bid received for the license. The additional bid amounts are calculated using the difference between the second highest bid times one plus the minimum percentage increment, rounded, and the second highest bid.

XIII. ATTACHMENT H

SUMMARY LISTING OF DOCUMENTS FROM THE COMMISSION AND THE WIRELESS TELECOMMUNICATIONS BUREAU ADDRESSING APPLICATION OF THE ANTI-COLLUSION RULES

All of the following documents can be found at FCC web site:
<http://www.fcc.gov/wtb/auctions/collusio/collusio.html>

A. Commission Decisions:

Second Report and Order in PP Docket No. 93-253, FCC 94-61, 9 FCC Rcd. 2348, 2386-2388 (1994), paragraphs 221-226.

Fifth Report and Order in PP Docket No. 93-253, FCC 94-178, 9 FCC Rcd. 5532, 5570-5571 (1994), paragraphs 91-92.

Fourth Memorandum Opinion and Order in PP Docket No. 93-253, FCC 94-264, 9 FCC Rcd. 6858, 6866-6869 (1994), paragraphs 47-60.

Second Memorandum Opinion and Order in PP Docket No. 93-253, FCC 94-215, 9 FCC Rcd. 7245, 7253-7255 (1994), paragraphs 48-55.

Memorandum Opinion and Order in PP Docket No. 93-253, FCC 94-295, 9 FCC Rcd. 7684, 7687-7689 (1994), paragraphs 8-12.

In re Commercial Realty St. Pete, *Notice of Apparent Liability for Forfeiture*, 10 FCC Rcd. 4277 (1995),
In re Commercial Realty St. Pete, *Memorandum Opinion and Order*, 11 FCC Rcd. 15,374 (1996).

In re Applications of Mercury PCS II, LLC, *Notice of Apparent Liability for Forfeiture*, 12 FCC Rcd. 17,970 (1997) (petition for partial reconsideration pending).

Amendment of Part 1 of the Commission's rules -- Competitive Bidding Procedures, Allocation of Spectrum Below 5 GHz Transferred from Federal Government Use, 4660-4685 MHz, WT Docket No. 97-82, ET Docket No. 94-32, FCC 97-413, *Third Report and Order and Second Further Notice of Proposed Rule Making*, 13 FCC Rcd. 374, 463-469 (1997), paragraphs 155-166.

In re Application of US West Communications, Inc., *Notice of Apparent Liability for Forfeiture*, 13 FCC Rcd 8286 (1998); In the Matter of Notice of Apparent Liability for Forfeiture of US West Communications, Inc., *Order*, FCC 99-90 (May 7, 1999).

In re Application of Western PCS BTA I Corporation, *Notice of Apparent Liability for Forfeiture*, FCC 98-42 (March 16, 1998); In the Matter of Notice of Apparent Liability for Forfeiture of Western PCS BTA I Corporation, *Memorandum Opinion and Order*, 14 FCC Rcd 21571, 21577-78, ¶ 20 (rel. Dec. 13, 1999).

B. Wireless Telecommunications Bureau Decisions:

Amendment of Parts 21 and 74 of the Commission's rules with Regard to Filing Procedures in the Multipoint Distribution Service and in the Instructional Television Fixed Service, *Order*, 11 FCC Rcd. 9655 (Wireless Tel. Bur. 1995).

In re Applications of GWI PCS, Inc. For Authority to Construct and Operate Broadband PCS Systems Operating on Frequency Block C, *Memorandum Opinion and Order*, 12 FCC Rcd. 6441 (Wireless Tel. Bur. 1997).

In re Applications of Mercury PCS II, LLC, For Facilities in the Broadband Personal Communications Services in the D, E, and F Blocks, *Memorandum Opinion and Order on Reconsideration*, 12 FCC Rcd. 18,093 (Wireless Tel. Bur. 1997).

In the Matter of Applications of High Plains Wireless, L.P., For Authority to Construct and Operate Broadband PCS Systems on Frequency Blocks D, E, and F, *Memorandum Opinion and Order*, 12 FCC Rcd. 19,627 (Wireless Tel. Bur. 1997).

In the Matter of Applications of Mercury PCS II, LLC, For Authority to Construct and Operate Broadband PCS Systems on Frequency Blocks D, E, and F, *Memorandum Opinion and Order*, 13 FCC Rcd. 5756 (Wireless Tel. Bur. 1997).

1. Public Notices:

"Wireless Telecommunications Bureau Clarifies Spectrum Auction Anti-Collusion Rules," *Public Notice*, 11 FCC Rcd. 9645 (1995).

"FCC Staff Clarifies Application of Anti-Collusion Rule to Broadband PCS 'C' Block Reauction," *Public Notice*, 11 FCC Rcd. 7031 (1996).

"Wireless Telecommunications Bureau Provides Guidance on the Anti-Collusion Rule for D, E and F Block Bidders," *Public Notice*, 11 FCC Rcd. 10,134 (1996).

"Wireless Telecommunications Bureau Responds to Questions About the Local Multipoint Distribution Service Auction," *Public Notice*, DA 98-37 (rel. January 9, 1998).

2. Letters from the Office of General Counsel and the Wireless Telecommunications Bureau:

Letter to Gary M. Epstein and James H. Barker from William E. Kennard, General Counsel, Federal Communications Commission (released October 25, 1994).

Letter to Alan F. Ciamporcero from William E Kennard, General Counsel, Federal Communications Commission (released October 25, 1996).

Letter to R. Michael Senkowski from Rosalind K. Allen, Acting Chief, Commercial Radio Division, Wireless Telecommunications Bureau (released December 1, 1994).

Letter to Leonard J. Kennedy from Rosalind K. Allen, Acting Chief, Commercial Radio Division,

Wireless Telecommunications Bureau (released December 14, 1994).

Letter to Jonathan D. Blake and Robert J. Rini from Kathleen O'Brien Ham, Chief, Auctions Division, Wireless Telecommunications Bureau, DA 95-2404 (released November 28, 1995).

Letter to Mark Grady from Kathleen O'Brien Ham, Chief, Auctions Division, Wireless Telecommunications Bureau, 11 FCC Rcd. 10,895 (1996).

Letter to David L. Nace from Kathleen O'Brien Ham, Chief, Auctions Division, Wireless Telecommunications Bureau, 11 FCC Rcd. 11,363 (1996).

Letter to Elliott J. Greenwald from Christopher J. Wright, General Counsel, Federal Communications Commission (released April 6, 1998).

Letter to Robert Pettit, Wiley, Rein & Fielding from Margaret W. Wiener, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, DA 00-2905 (released December 26, 2000).

3. Civil Actions Initiated by U.S. Department of Justice:

U.S. v. Omnipoint Corp., Proposed Final Judgements and Competitive Impact Statements, Department of Justice, 63 FR 65,228 (November 25, 1998).

“Justice Department Sues Three Firms Over FCC Auction Practices,” *Press Release, U.S. Department of Justice* (November 10, 1998).

Complaint, *U.S. v. Omnipoint Corp.*, No. 1:98CV02750 (D.D.C. November 10, 1998).

Complaint, *U.S. v. Mercury PCS II, L.L.C.*, No. 1:98CV02751 (D.D.C. November 10, 1998).

Complaint, *U.S. v. 21st Century Bidding Corp.*, No. 1:98CV02752 (D.D.C. November 10, 1998).

4. Miscellaneous:

Many of these documents can be retrieved from the following Commission web site:

<http://www.fcc.gov/wtb/auctions/collusio/collusio.html>

These documents may be located by using our search engine (select the link “search”). All of these documents can be ordered in hard copy for a fee from the Commission’s contractor, International Transcription Service, Inc. at (202) 314-3070.

Documents retrieved from the FCC web site are available in various formats. In order to review a document in its entirety, including footnotes, it is necessary to access the document in WordPerfect, MS Word, or Acrobat Reader.