



PUBLIC NOTICE

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APPLICATION PROCEDURES FOR BROADCAST INCENTIVE AUCTION SCHEDULED TO BEGIN ON MARCH 29, 2016

UPDATES AND OTHER SUPPLEMENTAL INFORMATION

AU Docket No. 14-252
GN Docket No. 12-268
WT Docket No. 12-269

I. INTRODUCTION

1. By this Public Notice, the Wireless Telecommunications Bureau (“Bureau”) updates and supplements information provided in the *Auction 1000 Application Procedures Public Notice*.¹ Specifically, we announce that the pre-auction process tutorial for the forward auction will be available by January 19, 2016; provide additional information concerning access to the Commission’s bidding system (“Auction System”) for the reverse and forward auctions; provide additional details about the grouping of Partial Economic Areas (“PEAs”) in the assignment phase of the forward auction; and make ministerial changes to two of the appendices released with the *Auction 1000 Application Procedures Public Notice*.

2. All other dates and deadlines,² as well as other application procedures, instructions, and information, remain as previously announced.³

II. TUTORIAL ON FORWARD AUCTION PRE-AUCTION PROCESS TO BE AVAILABLE BY JANUARY 19, 2016

3. The Bureau will make available an interactive, online tutorial focusing on the pre-auction application process for the forward auction (Auction 1002) no later than January 19, 2016.⁴ The pre-

¹ See *Application Procedures for Broadcast Incentive Auction Scheduled to Begin on March 29, 2016; Technical Formulas for Competitive Bidding*, AU Docket No. 14-252, GN Docket No. 12-268, WT Docket No. 12-269, Public Notice, DA 15-1183 (WTB Oct. 15, 2015) (*Auction 1000 Application Procedures Public Notice*).

² As previously announced, the FCC Form 177 filing window for the reverse auction opened at 12:00 noon Eastern Time (ET) on December 8, 2015, and will close at 6:00 p.m. ET on January 12, 2016. See *Incentive Auction Task Force Releases Revised Baseline Data and Prices for Reverse Auction; Announces Revised Filing Window Dates*, AU Docket No. 14-252, GN Docket No. 12-268, WT Docket No. 12-269, Public Notice, DA 15-1296 (WTB Nov. 12, 2015) (*Revised Baseline, Prices and Filing Dates Public Notice*). The FCC Form 175 filing window for the forward auction will open at 12:00 noon ET on January 26, 2016, and close at 6:00 p.m. ET on February 9, 2016. See *id.* Applications must be filed prior to the closing of the filing window.

³ See generally *Auction 1000 Application Procedures Public Notice; Revised Baseline, Prices and Filing Dates Public Notice*.

⁴ The Bureau had previously announced in the *Auction 1000 Application Procedures Public Notice* that the first auction tutorial for Auction 1002 would be available by January 7, 2016. See *Auction 1000 Application Procedures*

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auction application process tutorial will be accessible from the Commission's Auction 1002 web page at <http://www.fcc.gov/auctions/1002> through a link under the "Education" tab.⁵ Once posted, the tutorial will remain available and accessible on the Auction 1002 web page anytime for reference.

III. ACCESS TO THE AUCTION SYSTEM FOR BIDDING

4. As previously described in the *Auction 1000 Application Procedures Public Notice*, an applicant must have an FCC-provided SecurID[®] token to access the Auction System in order to place bids in the reverse or forward clock rounds, as well as to participate in any mock auction.⁶ SecurID[®] tokens will be distributed to applicants for the reverse auction prior to the deadline for initial commitments, and to forward auction applicants prior to the announcement of qualified bidders, to enable applicants with complete applications to practice with the Auction System. Each authorized bidder identified on an applicant's FCC Form 177 or 175 will be issued a unique SecurID[®] token tailored to that bidder. **For security purposes, the SecurID[®] tokens, the telephonic bidding telephone number, and the relevant Auction System Bidder's Guide are mailed only to the applicant's contact person at the contact address listed on its auction application.**⁷

A. Reverse Auction Applicants

5. Each reverse auction (Auction 1001) applicant permitted to make an initial commitment must do so in the Auction System using a SecurID[®] token.⁸ We will therefore provide SecurID[®] tokens prior to the initial commitment deadline.

6. As explained in the *Auction 1000 Application Procedures Public Notice*, an applicant will receive confidential notices concerning the status of its application and of each station selected on its application after the initial filing deadline ("First Confidential Status Letter")⁹ and after the resubmission deadline ("Second Confidential Status Letter"),¹⁰ respectively. Each applicant whose application and at least one selected station have been deemed "complete" in the Second Confidential Status Letter will be permitted to make an initial commitment to a preferred relinquishment option¹¹ for each complete station using a SecurID[®] token.¹² Additional instructions for making an initial commitment will be provided to

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Public Notice at 29–30, para. 89, 51, para. 149. This change is intended to make this tutorial available approximately one week prior to the opening of the filing window for the forward auction on January 26, 2016.

⁵ See *id.* at 51, para. 149.

⁶ See *id.* at 24, paras. 68–70 (Auction 1001); *id.* at 54, paras. 161–63 (Auction 1002).

⁷ For purposes of this Public Notice, the term "auction application" refers to the FCC Forms 177 and 175 for the reverse and forward auctions, respectively.

⁸ Bids may be placed by an authorized bidder identified in the applicant's FCC Form 177.

⁹ The First Confidential Status Letter will identify whether the application and each station selected in the application (1) is complete or (2) is incomplete or deficient because of minor defects that may be corrected. The letter will include the deadline for resubmitting corrections to an application and will inform the applicant of any potential FCC liabilities with respect to a particular station that cannot be resolved before the reverse auction. See *Auction 1000 Application Procedures Public Notice* at 22, para. 61.

¹⁰ See *id.* at 22, para. 63.

¹¹ If an applicant's preferred option is to move to a VHF channel, the applicant will also have the ability to commit to any other option that it selected on its FCC Form 177 as a fallback relinquishment option. See *Broadcast Auction Scheduled to Begin March 29, 2016; Procedures for Competitive Bidding in Auction 1000, Including Initial Clearing Target Determination, Qualifying to Bid, and Bidding in Auctions 1001 (Reverse) and 1002 (Forward)*, Public Notice, 30 FCC Rcd 8975, 9020–21, paras. 70–71 (2015) (*Auction 1000 Bidding Procedures Public Notice*).

¹² If the application is deemed not complete as to any particular station, the applicant will be not be able to make an initial commitment for that station. See *Auction 1000 Application Procedures Public Notice* at 22, para. 63 n.113.

each applicant with one or more complete stations as an enclosure to its Second Confidential Status Letter.¹³

7. Once the initial clearing target has been determined based on initial commitments, an applicant that was permitted to make an initial commitment will receive a third confidential status letter (“Final Confidential Status Letter”) notifying the applicant for each complete station whether or not the station is qualified to bid in the clock rounds of the reverse auction.¹⁴ An applicant with one or more qualified stations will be eligible to participate in a mock auction prior to bidding in the clock rounds of the reverse auction.¹⁵ Additional instructions for participating in the mock auction and for placing bids in the clock rounds of the reverse auction, using the applicant’s previously received SecurID® tokens, will be provided to each applicant that has at least one station qualified to bid. Any applicant with a station that is not qualified to bid in the reverse auction clock rounds will not be able to place clock round bids for that station in the Auction System.

B. Forward Auction Applicants

8. As described in the *Auction 1000 Application Procedures Public Notice*, an Auction 1002 applicant whose application has been deemed to be “complete” will be eligible to practice with the Auction System prior to the mock auction that will be offered to qualified bidders.¹⁶ Any applicant that is eligible to practice with the Auction System must have a SecurID® token to log in. SecurID® tokens along with instructions for practicing with the Auction System will therefore be distributed to each applicant whose application is listed as complete in a public notice to be released after the deadline for resubmitting corrected applications¹⁷ and prior to the announcement of qualified bidders in the *Auction 1002 Qualified Bidders Public Notice*.¹⁸

9. Each applicant listed as a qualified bidder in the *Auction 1002 Qualified Bidders Public Notice* will be provided with additional instructions for participating in the mock auction and for placing bids in the forward auction using the applicant’s previously received SecurID® tokens.¹⁹ Any applicant whose application was listed as complete after the deadline for resubmitting corrected applications that does not become qualified to bid will not be permitted to access the Auction System for bidding.

IV. GROUPING OF PEAs FOR FORWARD AUCTION ASSIGNMENT PHASE BIDDING

10. In the *Auction 1000 Bidding Procedures Public Notice*, the Commission adopted procedures for assignment phase bidding which depend in part upon the Regional Economic Area Grouping (“REAG”) in which a PEA is included.²⁰ The public notice indicated that, for the grouping and sequencing of PEAs in the assignment rounds, the PEAs in the six least populous REAGs will be

¹³ See *id.* at 22, para. 63.

¹⁴ See *id.* at 23–24, para. 67.

¹⁵ See *id.* at 24–25, para. 73.

¹⁶ See *id.* at 29–30, para. 89, 51, para. 149.

¹⁷ The deadline for resubmitting corrected applications will be announced in the public notice that will announce applicants’ initial application statuses. See *id.* at 52, para. 153.

¹⁸ As explained in the *Auction 1000 Application Procedures Public Notice*, in order to become qualified to bid, an applicant must submit a sufficient upfront payment by 6:00 p.m. ET on the deadline to be announced in the *Upfront Payment Public Notice*, which will be released after the initial clearing target and associated band plan scenario have been determined. See *Auction 1000 Application Procedures Public Notice* at 29–30, paras. 89–90, 52, para. 156.

¹⁹ See *id.* at 29–30, paras. 89–90, 56, para. 156, 54–55, para. 166. Bids may be placed by an authorized bidder identified in the applicant’s FCC Form 175.

²⁰ See *Auction 1000 Bidding Procedures Public Notice*, 30 FCC Rcd at 9089–90, para. 247.

included with the PEAs in one of the six REAGs that cover the contiguous United States.²¹ Attachment 1 to this Public Notice lists each PEA and the REAG with which it will be associated for assignment phase bidding purposes.²²

V. CORRECTIONS AND NOTIFICATIONS TO TECHNICAL APPENDICES

11. The Bureau makes ministerial changes to two of the appendices released with the *Auction 1000 Application Procedures Public Notice*. First, we correct typographical errors in the text of APPENDIX D to the *Auction 1000 Application Procedures Public Notice*.²³ Specifically, in Section 5.5 of APPENDIX D, (a) the variable u and the variable s should be switched in much of the text in the section, including the examples, and (b) the variable t in Example 3 should be replaced by the variable s . The corrected text to Section 5.5 of APPENDIX D is shown in Attachment 2 of this Public Notice.

12. We also note that in Section 3.2 of APPENDIX E to the *Auction 1000 Application Procedures Public Notice*,²⁴ $SC_{(s,c)}$ includes those Mexican stations that cause pairwise interference less than 0.5 percent to U.S. stations when placed on their future channel as specified in the *Mexican Coordination*.²⁵

VI. ADDITIONAL INFORMATION

13. For general auction questions, contact Linda Sanderson, Linda.Sanderson@fcc.gov, (717) 338-2868. For reverse auction legal questions, contact Erin Griffith, Erin.Griffith@fcc.gov, (202) 418-0660, or Kathryn Hinton, Kathryn.Hinton@fcc.gov, (202) 418-0660. For forward auction legal questions, contact Leslie Barnes, Leslie.Barnes@fcc.gov, (202) 418-0660, or Valerie Barrish, Valerie.Barrish@fcc.gov, (202) 418-0660. Press contact: Charles Meisch, Charles.Meisch@fcc.gov, (202) 418-2943. Additional information for potential Broadcast Incentive Auction participants is available at the Auction 1000 web page (<http://www.fcc.gov/auctions/1000>).

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²¹ See *id.* at 9089, para. 247 n.714.

²² An Excel version of Attachment 1 will be made available on the Commission's Auction 1002 web page at <http://www.fcc.gov/auctions/1002> through a link under the "Data" tab.

²³ See *Auction 1000 Application Procedures Public Notice* at Appendix D, Section 5.5.

²⁴ See *id.* at Appendix E, Section 3.2.

²⁵ See *Exchange of Coordination Letters with IFT Regarding DTV Transition and Reconfiguration of 600 MHz Band Spectrum*, U.S.–Mex. (July 15, 2015), available at <http://wireless.fcc.gov/incentiveauctions/learn-program/resources.html> (*Mexican Coordination*).

ATTACHMENT 1

PEAs and Associated REAGs for Assignment Phase Bidding

PEA Number	PEA Name	REAG Number	REAG Name
PEA001	New York, NY		n/a
PEA002	Los Angeles, CA		n/a
PEA003	Chicago, IL		n/a
PEA004	San Francisco, CA		n/a
PEA005	Baltimore, MD-Washington, DC		n/a
PEA006	Philadelphia, PA		n/a
PEA007	Boston, MA		n/a
PEA008	Dallas, TX		n/a
PEA009	Miami, FL		n/a
PEA010	Houston, TX		n/a
PEA011	Atlanta, GA		n/a
PEA012	Detroit, MI		n/a
PEA013	Orlando, FL		n/a
PEA014	Cleveland, OH		n/a
PEA015	Phoenix, AZ		n/a
PEA016	Seattle, WA		n/a
PEA017	Minneapolis-St. Paul, MN		n/a
PEA018	San Diego, CA		n/a
PEA019	Portland, OR		n/a
PEA020	Denver, CO		n/a
PEA021	Tampa, FL		n/a
PEA022	Sacramento, CA		n/a
PEA023	Pittsburgh, PA		n/a
PEA024	Saint Louis, MO		n/a
PEA025	Cincinnati, OH		n/a
PEA026	Las Vegas, NV		n/a
PEA027	Salt Lake City, UT		n/a
PEA028	San Antonio, TX		n/a
PEA029	Jacksonville, FL		n/a
PEA030	Kansas City, MO		n/a
PEA031	Indianapolis, IN		n/a
PEA032	Nashville, TN		n/a
PEA033	Virginia Beach, VA		n/a
PEA034	Fresno, CA		n/a
PEA035	Austin, TX		n/a
PEA036	New Orleans, LA		n/a
PEA037	Columbus, OH		n/a

PEA Number	PEA Name	REAG Number	REAG Name
PEA038	Milwaukee, WI		n/a
PEA039	Oklahoma City, OK		n/a
PEA040	Birmingham, AL		n/a
PEA041	Syracuse, NY	REAG 1	Northeast
PEA042	Honolulu, HI *	REAG 6	West
PEA043	Charlotte, NC	REAG 2	Southeast
PEA044	Rochester, NY	REAG 1	Northeast
PEA045	Raleigh, NC	REAG 2	Southeast
PEA046	Little Rock, AR	REAG 4	Mississippi Valley
PEA047	Brownsville, TX	REAG 5	Central
PEA048	Harrisburg, PA	REAG 1	Northeast
PEA049	Albany, NY	REAG 1	Northeast
PEA050	Greenville, SC	REAG 2	Southeast
PEA051	Louisville, KY	REAG 4	Mississippi Valley
PEA052	Charleston, WV	REAG 3	Great Lakes
PEA053	Tucson, AZ	REAG 5	Central
PEA054	Buffalo, NY	REAG 1	Northeast
PEA055	Huntsville, AL	REAG 4	Mississippi Valley
PEA056	Kalamazoo, MI	REAG 3	Great Lakes
PEA057	Richmond, VA	REAG 2	Southeast
PEA058	Bloomington, IN	REAG 3	Great Lakes
PEA059	Memphis, TN	REAG 4	Mississippi Valley
PEA060	Manchester, NH	REAG 1	Northeast
PEA061	Toledo, OH	REAG 3	Great Lakes
PEA062	Dayton, OH	REAG 3	Great Lakes
PEA063	Tulsa, OK	REAG 5	Central
PEA064	South Bend, IN	REAG 3	Great Lakes
PEA065	Cape Coral, FL	REAG 2	Southeast
PEA066	Lansing, MI	REAG 3	Great Lakes
PEA067	Sarasota, FL	REAG 2	Southeast
PEA068	Grand Rapids, MI	REAG 3	Great Lakes
PEA069	Springfield, MA	REAG 1	Northeast
PEA070	Eugene, OR	REAG 6	West
PEA071	Knoxville, TN	REAG 4	Mississippi Valley
PEA072	Tallahassee, FL	REAG 2	Southeast
PEA073	El Paso, TX	REAG 5	Central
PEA074	Chattanooga, TN	REAG 2	Southeast
PEA075	Albuquerque, NM	REAG 5	Central
PEA076	Reno, NV	REAG 6	West
PEA077	Portland, ME	REAG 1	Northeast
PEA078	Greensboro, NC	REAG 2	Southeast

PEA Number	PEA Name	REAG Number	REAG Name
PEA079	Hattiesburg, MS	REAG 4	Mississippi Valley
PEA080	Omaha, NE	REAG 5	Central
PEA081	Saginaw, MI	REAG 3	Great Lakes
PEA082	Baton Rouge, LA	REAG 4	Mississippi Valley
PEA083	Fort Wayne, IN	REAG 3	Great Lakes
PEA084	Mobile, AL	REAG 4	Mississippi Valley
PEA085	Charleston, SC	REAG 2	Southeast
PEA086	Frankfort, KY	REAG 4	Mississippi Valley
PEA087	Pensacola, FL	REAG 4	Mississippi Valley
PEA088	Frederick, MD	REAG 2	Southeast
PEA089	Columbia, SC	REAG 2	Southeast
PEA090	Jackson, MS	REAG 4	Mississippi Valley
PEA091	Colorado Springs, CO	REAG 5	Central
PEA092	Decatur, IL	REAG 3	Great Lakes
PEA093	Lafayette, LA	REAG 4	Mississippi Valley
PEA094	Waco, TX	REAG 5	Central
PEA095	Bluefield, WV	REAG 4	Mississippi Valley
PEA096	Richmond, KY	REAG 4	Mississippi Valley
PEA097	Mankato, MN	REAG 3	Great Lakes
PEA098	Johnson City, TN	REAG 4	Mississippi Valley
PEA099	Tupelo, MS	REAG 4	Mississippi Valley
PEA100	Greenville, NC	REAG 2	Southeast
PEA101	Wichita, KS	REAG 5	Central
PEA102	Grand Junction, CO	REAG 5	Central
PEA103	Winchester, VA	REAG 2	Southeast
PEA104	Fort Collins, CO	REAG 5	Central
PEA105	Augusta, GA	REAG 2	Southeast
PEA106	Zanesville, OH	REAG 3	Great Lakes
PEA107	Bangor, ME	REAG 1	Northeast
PEA108	Des Moines, IA	REAG 3	Great Lakes
PEA109	Rocky Mount, NC	REAG 2	Southeast
PEA110	Jackson, TN	REAG 4	Mississippi Valley
PEA111	Fayetteville, AR	REAG 4	Mississippi Valley
PEA112	Bowling Green, KY	REAG 4	Mississippi Valley
PEA113	Erie, PA	REAG 3	Great Lakes
PEA114	Morgantown, WV	REAG 3	Great Lakes
PEA115	Asheville, NC	REAG 2	Southeast
PEA116	Rockford, IL	REAG 3	Great Lakes
PEA117	La Grange, GA	REAG 2	Southeast
PEA118	Richmond, IN	REAG 3	Great Lakes
PEA119	Yakima, WA	REAG 6	West

PEA Number	PEA Name	REAG Number	REAG Name
PEA120	Shreveport, LA	REAG 5	Central
PEA121	Altoona, PA	REAG 3	Great Lakes
PEA122	Madison, WI	REAG 3	Great Lakes
PEA123	Mansfield, OH	REAG 3	Great Lakes
PEA124	Olympia, WA	REAG 6	West
PEA125	Alton, IL	REAG 4	Mississippi Valley
PEA126	Casa Grande, AZ	REAG 5	Central
PEA127	Evansville, IN	REAG 4	Mississippi Valley
PEA128	Macon, GA	REAG 2	Southeast
PEA129	Springfield, IL	REAG 3	Great Lakes
PEA130	Spokane, WA	REAG 6	West
PEA131	Sanford, NC	REAG 2	Southeast
PEA132	Corpus Christi, TX	REAG 5	Central
PEA133	Nacogdoches, TX	REAG 5	Central
PEA134	Newark, OH	REAG 3	Great Lakes
PEA135	Beaumont, TX	REAG 5	Central
PEA136	Williamsport, PA	REAG 1	Northeast
PEA137	Eau Claire, WI	REAG 3	Great Lakes
PEA138	Burlington, VT	REAG 1	Northeast
PEA139	Hot Springs, AR	REAG 4	Mississippi Valley
PEA140	Fredericksburg, VA	REAG 2	Southeast
PEA141	Brainerd, MN	REAG 3	Great Lakes
PEA142	Merced, CA	REAG 6	West
PEA143	Keene, NH	REAG 1	Northeast
PEA144	Paris, TX	REAG 5	Central
PEA145	Columbia, TN	REAG 4	Mississippi Valley
PEA146	Wilmington, NC	REAG 2	Southeast
PEA147	Salisbury, MD	REAG 2	Southeast
PEA148	Bellingham, WA	REAG 6	West
PEA149	Biloxi, MS	REAG 4	Mississippi Valley
PEA150	Rolla, MO	REAG 4	Mississippi Valley
PEA151	Winston-Salem, NC	REAG 2	Southeast
PEA152	Tyler, TX	REAG 5	Central
PEA153	Fond du Lac, WI	REAG 3	Great Lakes
PEA154	Myrtle Beach, SC	REAG 2	Southeast
PEA155	Appleton, WI	REAG 3	Great Lakes
PEA156	Boise City, ID	REAG 6	West
PEA157	Yuma, AZ	REAG 6	West
PEA158	Helena, MT	REAG 6	West
PEA159	Valdosta, GA	REAG 2	Southeast
PEA160	Victoria, TX	REAG 5	Central

PEA Number	PEA Name	REAG Number	REAG Name
PEA161	Carbondale, IL	REAG 4	Mississippi Valley
PEA162	Elizabethtown, KY	REAG 4	Mississippi Valley
PEA163	Davenport, IA	REAG 3	Great Lakes
PEA164	Montgomery, AL	REAG 4	Mississippi Valley
PEA165	Rome, GA	REAG 2	Southeast
PEA166	Redding, CA	REAG 6	West
PEA167	Harrisonburg, VA	REAG 2	Southeast
PEA168	Peoria, IL	REAG 3	Great Lakes
PEA169	Goldsboro, NC	REAG 2	Southeast
PEA170	Dothan, AL	REAG 4	Mississippi Valley
PEA171	Fort Smith, AR	REAG 4	Mississippi Valley
PEA172	Duluth, MN	REAG 3	Great Lakes
PEA173	Blacksburg, VA	REAG 2	Southeast
PEA174	Springfield, MO	REAG 4	Mississippi Valley
PEA175	Southaven, MS	REAG 4	Mississippi Valley
PEA176	Ames, IA	REAG 3	Great Lakes
PEA177	Savannah, GA	REAG 2	Southeast
PEA178	Sedalia, MO	REAG 4	Mississippi Valley
PEA179	Burlington, IA	REAG 3	Great Lakes
PEA180	Flagstaff, AZ	REAG 5	Central
PEA181	Texarkana, TX	REAG 5	Central
PEA182	Cedar Rapids, IA	REAG 3	Great Lakes
PEA183	Columbia, MO	REAG 4	Mississippi Valley
PEA184	Ruston, LA	REAG 5	Central
PEA185	Marquette, MI	REAG 3	Great Lakes
PEA186	Rock Hill, SC	REAG 2	Southeast
PEA187	Pocatello, ID	REAG 6	West
PEA188	Jamestown, NY	REAG 1	Northeast
PEA189	Alexandria, LA	REAG 5	Central
PEA190	Bozeman, MT	REAG 6	West
PEA191	Petersburg, VA	REAG 2	Southeast
PEA192	Fayetteville, NC	REAG 2	Southeast
PEA193	Saint Joseph, MO	REAG 4	Mississippi Valley
PEA194	State College, PA	REAG 3	Great Lakes
PEA195	Lewiston, ID	REAG 6	West
PEA196	Cape Girardeau, MO	REAG 4	Mississippi Valley
PEA197	Wheeling, WV	REAG 3	Great Lakes
PEA198	Jonesboro, AR	REAG 4	Mississippi Valley
PEA199	Dalton, GA	REAG 2	Southeast
PEA200	Danville, VA	REAG 2	Southeast
PEA201	Eagle Pass, TX	REAG 5	Central

PEA Number	PEA Name	REAG Number	REAG Name
PEA202	Columbus, GA	REAG 2	Southeast
PEA203	Traverse City, MI	REAG 3	Great Lakes
PEA204	Owensboro, KY	REAG 4	Mississippi Valley
PEA205	Douglas City, CA	REAG 6	West
PEA206	Wenatchee, WA	REAG 6	West
PEA207	Brunswick, GA	REAG 2	Southeast
PEA208	Salisbury, NC	REAG 2	Southeast
PEA209	Green Bay, WI	REAG 3	Great Lakes
PEA210	Binghamton, NY	REAG 1	Northeast
PEA211	Ardmore, OK	REAG 5	Central
PEA212	Anchorage, AK	* REAG 6	West
PEA213	Bend, OR	REAG 6	West
PEA214	Lincoln, NE	REAG 5	Central
PEA215	Hickory, NC	REAG 2	Southeast
PEA216	Joplin, MO	REAG 4	Mississippi Valley
PEA217	Lubbock, TX	REAG 5	Central
PEA218	Wausau, WI	REAG 3	Great Lakes
PEA219	Mason City, IA	REAG 3	Great Lakes
PEA220	Odessa, TX	REAG 5	Central
PEA221	Laredo, TX	REAG 5	Central
PEA222	Morristown, TN	REAG 4	Mississippi Valley
PEA223	Dubuque, IA	REAG 3	Great Lakes
PEA224	De Kalb, IL	REAG 3	Great Lakes
PEA225	La Crosse, WI	REAG 3	Great Lakes
PEA226	Lima, OH	REAG 3	Great Lakes
PEA227	Watertown, NY	REAG 1	Northeast
PEA228	Roanoke, VA	REAG 2	Southeast
PEA229	Saint George, UT	REAG 6	West
PEA230	Lumberton, NC	REAG 2	Southeast
PEA231	Fremont, NE	REAG 5	Central
PEA232	Topeka, KS	REAG 4	Mississippi Valley
PEA233	Shelby, NC	REAG 2	Southeast
PEA234	Lexington, NC	REAG 2	Southeast
PEA235	Amarillo, TX	REAG 5	Central
PEA236	Grand Island, NE	REAG 5	Central
PEA237	Hinesville, GA	REAG 2	Southeast
PEA238	Florence, SC	REAG 2	Southeast
PEA239	Kannapolis, NC	REAG 2	Southeast
PEA240	Charlottesville, VA	REAG 2	Southeast
PEA241	Dublin, GA	REAG 2	Southeast
PEA242	Lake Charles, LA	REAG 5	Central

PEA Number	PEA Name	REAG Number	REAG Name
PEA243	Paducah, KY	REAG 4	Mississippi Valley
PEA244	Manhattan, KS	REAG 4	Mississippi Valley
PEA245	West Plains, MO	REAG 4	Mississippi Valley
PEA246	Auburn, AL	REAG 2	Southeast
PEA247	Nampa, ID	REAG 6	West
PEA248	Sumter, SC	REAG 2	Southeast
PEA249	Bryan, TX	REAG 5	Central
PEA250	Las Cruces, NM	REAG 5	Central
PEA251	Salina, KS	REAG 5	Central
PEA252	Sioux City, IA	REAG 3	Great Lakes
PEA253	Baraboo, WI	REAG 3	Great Lakes
PEA254	Merrill, WI	REAG 3	Great Lakes
PEA255	Greenville, MS	REAG 4	Mississippi Valley
PEA256	Lynchburg, VA	REAG 2	Southeast
PEA257	Cheyenne, WY	REAG 5	Central
PEA258	Cullman, AL	REAG 4	Mississippi Valley
PEA259	Roswell, NM	REAG 5	Central
PEA260	Alpena, MI	REAG 3	Great Lakes
PEA261	Fargo, ND	REAG 3	Great Lakes
PEA262	Hilton Head Island, SC	REAG 2	Southeast
PEA263	Santa Fe, NM	REAG 5	Central
PEA264	Kodiak, AK	* REAG 6	West
PEA265	Winona, MN	REAG 3	Great Lakes
PEA266	Lenoir, NC	REAG 2	Southeast
PEA267	Sheboygan, WI	REAG 3	Great Lakes
PEA268	Clinton, IA	REAG 3	Great Lakes
PEA269	Racine, WI	REAG 3	Great Lakes
PEA270	Ottawa, IL	REAG 3	Great Lakes
PEA271	Elmira, NY	REAG 1	Northeast
PEA272	Brownwood, TX	REAG 5	Central
PEA273	Bloomington, IL	REAG 3	Great Lakes
PEA274	Twin Falls, ID	REAG 6	West
PEA275	Corsicana, TX	REAG 5	Central
PEA276	Rapid City, SD	REAG 5	Central
PEA277	Hutchinson, KS	REAG 5	Central
PEA278	Bartlesville, OK	REAG 5	Central
PEA279	Logan, UT	REAG 6	West
PEA280	Garden City, KS	REAG 5	Central
PEA281	Muskogee, OK	REAG 5	Central
PEA282	Galesburg, IL	REAG 3	Great Lakes
PEA283	Plattsburgh, NY	REAG 1	Northeast

PEA Number	PEA Name	REAG Number	REAG Name
PEA284	Greenwood, SC	REAG 2	Southeast
PEA285	Gallup, NM	REAG 5	Central
PEA286	Sioux Falls, SD	REAG 3	Great Lakes
PEA287	Kenosha, WI	REAG 3	Great Lakes
PEA288	Abilene, TX	REAG 5	Central
PEA289	Price, UT	REAG 6	West
PEA290	Watertown, SD	REAG 3	Great Lakes
PEA291	Rockingham, NC	REAG 2	Southeast
PEA292	Pueblo, CO	REAG 5	Central
PEA293	Lawrenceburg, TN	REAG 4	Mississippi Valley
PEA294	Waterloo, IA	REAG 3	Great Lakes
PEA295	Stillwater, OK	REAG 5	Central
PEA296	Pottsville, PA	REAG 1	Northeast
PEA297	Pendleton, OR	REAG 6	West
PEA298	Fairbanks, AK	* REAG 6	West
PEA299	Kirksville, MO	REAG 4	Mississippi Valley
PEA300	Selma, AL	REAG 4	Mississippi Valley
PEA301	Rochester, MN	REAG 3	Great Lakes
PEA302	Enid, OK	REAG 5	Central
PEA303	Great Falls, MT	REAG 6	West
PEA304	Mount Airy, NC	REAG 2	Southeast
PEA305	Altus, OK	REAG 5	Central
PEA306	Wichita Falls, TX	REAG 5	Central
PEA307	Yankton, SD	REAG 3	Great Lakes
PEA308	Americus, GA	REAG 2	Southeast
PEA309	Elizabeth City, NC	REAG 2	Southeast
PEA310	Farmington, MO	REAG 4	Mississippi Valley
PEA311	Trinidad, CO	REAG 5	Central
PEA312	Farmington, NM	REAG 5	Central
PEA313	Lockhart, TX	REAG 5	Central
PEA314	Jacksonville, TX	REAG 5	Central
PEA315	Sheridan, WY	REAG 6	West
PEA316	Rock Springs, WY	REAG 5	Central
PEA317	Beatrice, NE	REAG 5	Central
PEA318	Thief River Falls, MN	REAG 3	Great Lakes
PEA319	Albany, GA	REAG 2	Southeast
PEA320	San Angelo, TX	REAG 5	Central
PEA321	Batesville, IN	REAG 3	Great Lakes
PEA322	Minot, ND	REAG 3	Great Lakes
PEA323	Socorro, NM	REAG 5	Central
PEA324	Honesdale, PA	REAG 1	Northeast

PEA Number	PEA Name	REAG Number	REAG Name
PEA325	Bismarck, ND	REAG 3	Great Lakes
PEA326	Fergus Falls, MN	REAG 3	Great Lakes
PEA327	Orangeburg, SC	REAG 2	Southeast
PEA328	Winslow, AZ	REAG 5	Central
PEA329	Kingsville, TX	REAG 5	Central
PEA330	Olney, IL	REAG 4	Mississippi Valley
PEA331	Plainview, TX	REAG 5	Central
PEA332	Bennettsville, SC	REAG 2	Southeast
PEA333	Sidney, OH	REAG 3	Great Lakes
PEA334	Pampa, TX	REAG 5	Central
PEA335	Natchitoches, LA	REAG 5	Central
PEA336	Grand Forks, ND	REAG 3	Great Lakes
PEA337	Mineral Wells, TX	REAG 5	Central
PEA338	Durango, CO	REAG 5	Central
PEA339	Scottsbluff, NE	REAG 5	Central
PEA340	Clovis, NM	REAG 5	Central
PEA341	Alamogordo, NM	REAG 5	Central
PEA342	Mitchell, SD	REAG 3	Great Lakes
PEA343	Pecos, TX	REAG 5	Central
PEA344	Clanton, AL	REAG 4	Mississippi Valley
PEA345	Newberry, SC	REAG 2	Southeast
PEA346	Franklin, NC	REAG 2	Southeast
PEA347	New Roads, LA	REAG 4	Mississippi Valley
PEA348	Aberdeen, SD	REAG 3	Great Lakes
PEA349	Marion, NC	REAG 2	Southeast
PEA350	Forrest City, AR	REAG 4	Mississippi Valley
PEA351	Dickinson, ND	REAG 3	Great Lakes
PEA352	Gonzales, TX	REAG 5	Central
PEA353	Watska, IL	REAG 3	Great Lakes
PEA354	New London, WI	REAG 3	Great Lakes
PEA355	Casper, WY	REAG 5	Central
PEA356	Colville, WA	REAG 6	West
PEA357	Espanola, NM	REAG 5	Central
PEA358	Marble Falls, TX	REAG 5	Central
PEA359	Sterling, CO	REAG 5	Central
PEA360	Juneau, AK	* REAG 6	West
PEA361	Richfield, UT	REAG 6	West
PEA362	Payette, ID	REAG 6	West
PEA363	Big Spring, TX	REAG 5	Central
PEA364	Butte, MT	REAG 6	West
PEA365	Vernon, TX	REAG 5	Central

PEA Number	PEA Name	REAG Number	REAG Name
PEA366	Pullman, WA	REAG 6	West
PEA367	Moberly, MO	REAG 4	Mississippi Valley
PEA368	Concordia, KS	REAG 5	Central
PEA369	Red Oak, IA	REAG 5	Central
PEA370	Washington, IA	REAG 3	Great Lakes
PEA371	Wytheville, VA	REAG 2	Southeast
PEA372	Colby, KS	REAG 5	Central
PEA373	Walla Walla, WA	REAG 6	West
PEA374	North Platte, NE	REAG 5	Central
PEA375	Deming, NM	REAG 5	Central
PEA376	Hereford, TX	REAG 5	Central
PEA377	Demopolis, AL	REAG 4	Mississippi Valley
PEA378	Waynesboro, GA	REAG 2	Southeast
PEA379	Sault Ste. Marie, MI	REAG 3	Great Lakes
PEA380	Escanaba, MI	REAG 3	Great Lakes
PEA381	Del Rio, TX	REAG 5	Central
PEA382	Riverton, WY	REAG 5	Central
PEA383	Creston, IA	REAG 3	Great Lakes
PEA384	Manchester, IA	REAG 3	Great Lakes
PEA385	Hannibal, MO	REAG 3	Great Lakes
PEA386	Barnwell, SC	REAG 2	Southeast
PEA387	Wahpeton, ND	REAG 3	Great Lakes
PEA388	Atlantic, IA	REAG 5	Central
PEA389	McCook, NE	REAG 5	Central
PEA390	Snyder, TX	REAG 5	Central
PEA391	Ontario, OR	REAG 6	West
PEA392	Maryville, MO	REAG 4	Mississippi Valley
PEA393	Macon, MO	REAG 4	Mississippi Valley
PEA394	Martin, SD	REAG 5	Central
PEA395	Jamestown, ND	REAG 3	Great Lakes
PEA396	Winterset, IA	REAG 3	Great Lakes
PEA397	Aliceville, AL	REAG 4	Mississippi Valley
PEA398	South Sioux City, NE	REAG 3	Great Lakes
PEA399	Lampasas, TX	REAG 5	Central
PEA400	Muleshoe, TX	REAG 5	Central
PEA401	Floydada, TX	REAG 5	Central
PEA402	Brady, TX	REAG 5	Central
PEA403	Lewistown, MT	REAG 6	West
PEA404	Kanab, UT	REAG 5	Central
PEA405	Jackson, WY	REAG 6	West
PEA406	Anamosa, IA	REAG 3	Great Lakes

PEA Number	PEA Name	REAG Number	REAG Name
PEA407	Salmon, ID	REAG 6	West
PEA408	Ballinger, TX	REAG 5	Central
PEA409	Haskell, TX	REAG 5	Central
PEA410	Valentine, NE	REAG 5	Central
PEA411	Van Horn, TX	REAG 5	Central
PEA412	Puerto Rico *	REAG 2	Southeast
PEA413	Guam-Northern Mariana Islands *	REAG 6	West
PEA414	US Virgin Islands *	REAG 2	Southeast
PEA415	American Samoa *	REAG 6	West
PEA416	Gulf of Mexico *	REAG 2	Southeast

* For the grouping and sequencing of PEAs by REAG in the assignment rounds, PEAs that fall within REAGs 7-12 will be included instead with the PEAs that fall within REAGs 2 and 6, as shown below.

Actual REAG		Grouped With	
REAG 7	Alaska	REAG 6	West
REAG 8	Hawaii	REAG 6	West
REAG 9	Guam, Northern Mariana Islands	REAG 6	West
REAG 10	Puerto Rico, US Virgin Islands	REAG 2	Southeast
REAG 11	American Samoa	REAG 6	West
REAG 12	Gulf of Mexico	REAG 2	Southeast

ATTACHMENT 2

Revised Section 5.5 in APPENDIX D

5.5 Determining Whether a Station is “Exited – Not Needed”

A station s is assigned a status of “exited – not needed” if it is determined that the station would remain feasible in its pre-auction band for any possible bidding behavior of stations that are still active in the auction. When this is determined, the station is notified that it will be assigned to its pre-auction band and will no longer participate in the auction.

The following algorithm is used during processing to determine whether station s with pre-auction band b should be assigned a status of “exited – not needed:”

- First, determine the set of stations (other than station s) that could end up in band b ; denote this set by X . A station $u \neq s$ is included in X if and only if one of the following two conditions holds:
 - (1) The currently held option of station u is band b ,²⁶ or
 - (2) The following three conditions all hold:
 - The currently held option of station u is below b ; and
 - u is not provisionally winning; and
 - b is permissible for station u (see Section 3.1 for the definition of “permissible”) and the station indicated it is willing to consider that option on its application.
- For each pair of stations (s, u) and channel c , let A_{su}^c be a count of the number of applicable interference constraints. In particular, A_{su}^c is the number of applicable interference constraints limiting the assignment of station s to a channel in $\{c - 2, c - 1, c, c + 1, c + 2\}$ when station u is placed in channel c , taking into account the domains of stations s and u .²⁷ Thus, A_{su}^c represents the number of channels that are ruled out for station s if station u is placed in channel c . This is a number between 0 and 5. Each A_{su}^c is determined at the beginning of the auction and remains unchanged throughout the auction.
- For every station $u \in X$, let $f(u)$ be the maximum number of channels that u might rule out for s in band b . In particular, set $f(u)$ to be the maximum value of A_{su}^c among all channels c in band b . This is a number between 0 and 5, depending on the interference constraints.
- If $\sum_{u \in X} f(u)$ is less than the number of channels that station s has available in band b (that is, the domain of s restricted to b), then station s is deemed “exited – not needed.”

Example 1:

Suppose that:

- (i) channel c is in the domain of station u ;
- (ii) channels $\{c - 2, c - 1, c, c + 1, c + 2\}$ are all in the domain of station s ; and
- (iii) if station u is placed in channel c , then station s cannot be placed in any of the following channels: $\{c - 2, c - 1, c, c + 1, c + 2\}$.

Then $A_{su}^c = 5$, since placing station u in channel c will preclude s from being placed in 5 channels.

²⁶ Note that the currently held option of an exited station is its pre-auction band. Moreover, the currently held option of a non-participating station is also its pre-auction band.

²⁷ The need for looking at second adjacent constraints (c-2 and c+2) is a result of the *Canadian Coordination*, which requires second adjacent constraints be considered for a small subset of Canadian stations.

Example 2:

Suppose that:

- (i) channel c is in the domain of station u ;
- (ii) channels $\{c - 2, c - 1, c, c + 1, c + 2\}$ are all in the domain of station s ; and
- (iii) if station u is placed in channel c , then station s cannot be placed in channel c but could be placed in channels $\{c - 2, c - 1, c + 1, c + 2\}$.

Then $A_{su}^c = 1$, since placing station u in channel c will preclude s from being placed in 1 channel.

Example 3:

Suppose that:

- (i) channel c is in the domain of station u ;
- (ii) channels $\{c - 2, c - 1, c\}$ are in the domain of station s , whereas channels $\{c + 1, c + 2\}$ are not; and
- (iii) if station u is placed in channel c , then station s cannot be placed in channel c or channel $c - 1$ but could be placed in channel $c - 2$.

Then $A_{su}^c = 2$. In particular, out of three possible placements for s , placing u in channel c will preclude s from being placed in two of them: c and $c - 1$.

Example 4:

Suppose that channel c is not in the domain of station u . Then $A_{su}^c = 0$.

Each A_{su}^c remains unchanged throughout the auction.