DA 08-84 APPENDIX:
DESCRIPTION OF XML FILE FORMATS FOR AUCTIONS 73 AND 76

LIMITED INFORMATION MODE

All Bids

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
round	Number	Integer	The round number. In this report, it is also the round number in which the bid was placed.
item_name	Text	20	A unique identifier for the item
item_description	Text	50	Description of the item
market	Text	40	Identifies the geographic region that an item covers. For Auctions 73 and 76, this value is blank for packages.
block	Text	30	Identifies the frequency block of the item.
submarket	Text	30	Indicates a partitioned or disaggregated market.
increments_of_bid	Number	Integer	Number of bid increments selected by the bidder to produce the bid amount. This is a whole number between 1 (the minimum acceptable bid) and 9.
bid_amount	Currency		The dollar amount of the bid, before any bidding credit is applied.
date	Date/Time		Date when the bid was placed (MM/DD/YYYY).
selection_number	Number	Double	A pseudo random number assigned to the bid, used when resolving ties.

Considered Bids

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
round	Number	Integer	The round number
item_name	Text	20	A unique identifier for the item
item_description	Text	50	Description of the item

Column	Data Type	Field Size	Description
bid_round	Number	Integer	The round number in which the bid was placed
bid_amount	Currency		The dollar amount of the bid, before any bidding credit is applied.
selection_number	Number	Double	A pseudo random number assigned to the bid used when resolving ties.
pwb	Text	5	Indicates whether the bid is provisionally winning (Y or N).

Increment Statistics

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
round	Number	Integer	The round number
increment_1	Number	Long Integer	Count of this round's bids placed using the 1st bid amount, the minimum acceptable bid.
increment_2	Number	Long Integer	Count of this round's bids placed using the 2nd bid amount.
increment_3	Number	Long Integer	Count of this round's bids placed using the 3rd bid amount.
increment_4	Number	Long Integer	Count of this round's bids placed using the 4th bid amount.
increment_5	Number	Long Integer	Count of this round's bids placed using the 5th bid amount.
increment_6	Number	Long Integer	Count of this round's bids placed using the 6th bid amount.
increment_7	Number	Long Integer	Count of this round's bids placed using the 7th bid amount.
increment_8	Number	Long Integer	Count of this round's bids placed using the 8th bid amount.
increment_9	Number	Long Integer	Count of this round's bids placed using the 9th bid amount.

Items

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description

Column	Data Type	Field Size	Description
round	Number	Integer	The round number
item_name	Text	20	A unique identifier for the item
item_description	Text	50	Description of the item
market	Text	40	Identifies the geographic region that an item covers. For Auctions 73 and 76, this value is blank for packages.
block	Text	30	Identifies the frequency block of the item.
submarket	Text	30	Indicates a partitioned or disaggregated market.
size_mhz	Text	30	The amount of spectrum included in the item, in megahertz.
bidding_units	Number	Double	Bidding units associated with an item; used to determine activity.
population	Number	Double	Number of people covered by the item. This number is based on census figures for the geographic area.
number_of_bids	Number	Long Integer	Number of bids placed on the item during the round.
pwb_amount	Currency		The dollar amount of the provisionally winning bid, before any bidding credit is applied. This value is $0.00 for items not covered by provisionally winning bids. For items that are covered by PWBs on other items — e.g., licenses that are part of a package that has a PWB — this value is blank in the XML database files and $0.00 in the XML spreadsheet files.
round_of_pwb	Number	Integer	Round in which the provisionally winning bid was placed. This value is 0 if there is not a provisionally winning bid on the item. For items that are covered by PWBs on other items — e.g., licenses that are part of a package that has a PWB — this value is blank in the XML database files and 0 in the XML spreadsheet files.

Column	Data Type	Field Size	Description
increments_of_pwb	Number	Integer	Number of bid increments selected by the bidder to produce the bid amount. This is a whole number between 1 (the minimum acceptable bid) and 9. This value is 0 if there is not a provisionally winning bid on the item. For licenses, this value is blank in the XML database files and 0 in the XML spreadsheet files if there is a provisionally winning bid on a package containing the license. For packages, this value is blank in the XML database files and 0 in the XML spreadsheet files if there are provisionally winning bids on licenses comprising the package.
date	Date/Time		Date when the provisionally winning bid was placed (MM/DD/YYYY). This value is blank if there is not a provisionally winning bid on the item.
number_bidders	Number	Long Integer	Number of bidders that have placed a bid on the license, taking into account bids placed on the license itself and on packages containing the license. This value is blank for packages.
mab	Currency		The minimum acceptable bid for the next round.
mab_increment	Currency		The amount in dollars of the first bid increment. This is the dollar difference between the provisionally winning bid amount or CPE and the MAB for the item for the next round.
mab_increment_percentage	Number	Single	The percentage by which the provisionally winning bid or CPE is increased to calculate the new minimum acceptable bid. This value is blank for packages.
mab_floor	Number	Single	The minimum percentage increment or percentage increment floor used in the MAB calculation for the license. This value is blank for packages.
mab_ceiling	Number	Single	The maximum percentage increment or percentage increment ceiling used in the MAB calculation for the license. This value is blank for packages.
activity_weight	Number	Single	The factor used in the MAB calculation for weighting the current round's activity. This value is blank for packages.
number_additional_increments	Number	Long Integer	In addition to the MAB amount, the number of amounts in the bid amount drop-down list.

Column	Data Type	Field Size	Description
bid_increment_percentage	Number	Single	The percentage of the MAB used to calculate additional bid amounts.
round_of_previous_pwb	Number	Integer	The round in which the last provisionally winning bid different from the current provisionally winning bid was placed.
previous_pwb_amount	Currency		Dollar amount of the previous provisionally winning bid, before any bidding credit is applied.
uda_7	Text	50	Identifies the package, if any, that contains the license.
uda_8	Text	50	User-defined column (not used).
uda_9	Text	50	User-defined column (not used).
uda_10	Text	50	User-defined column (not used).

Round Statistics

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
round	Number	Integer	The round number
round_start_date_time	Date/Time		Date and time the round opened (MM/DD/YYYY HH:MM:SS AM/PM).
stage	Number	Integer	Identifies the activity rule stage of the auction.
new_bids	Number	Long Integer	Number of new bids placed in this round.
number_pwbs	Number	Long Integer	Number of bids on items (licenses and packages) that are provisionally winning.
number_pw_license_bids	Number	Long Integer	Number of bids on licenses that are provisionally winning.
number_licenses_covered_pwbs	Number	Long Integer	The number of licenses covered by provisionally winning bids, considering bids on licenses and packages.
fcc_held_licenses	Number	Long Integer	Number of individual licenses that are not covered by a provisionally winning bid.
stage_transition_percentage	Number	Double	Sum of the bidding units for items with new bids divided by the sum of the bidding units for all items.

Column	Data Type	Field Size	Description
stage_transition_percentage_less_fcc_held	Number	Double	Sum of the bidding units for items with new bids divided by the sum of the bidding units for all items where the FCC is not the provisionally winning bidder.
total_pwb_amount	Currency		Total dollar amount of provisionally winning bids as of this round.
dollar_change_in_pwb_amount	Currency		The dollar change in the total provisionally winning bid amount from the previous round.
percentage_change_in_pwb_amount	Number	Double	The percentage change in the provisionally winning bid amount from the previous round.
percentage_of_covered_bidding_units	Number	Double	Percentage of the bidding units of items that are covered by provisionally winning bids.
proactive_waivers_used	Text	5	Indicates whether any proactive waivers were used in the round (Y or N).
withdrawn_bids	Number	Long Integer	Number of bids withdrawn in the round.
dropped_bids	Number	Long Integer	Number of bids dropped in the round.

Withdrawn PWBs

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
item_name	Text	20	A unique identifier for the item
item_description	Text	50	Description of the item
market	Text	40	Identifies the geographic region that an item covers. For Auctions 73 and 76, this value is blank for packages.
block	Text	30	Identifies the frequency block of the item.
submarket	Text	30	Indicates a partitioned or disaggregated market.
round_of_withdrawal	Number	Integer	Round number in which the bid was withdrawn.
round_withdrawn_pwb_placed	Number	Integer	The round in which the withdrawn bid was originally placed (bid round, not the round of withdrawal).

Column	Data Type	Field Size	Description
withdrawn_pwb_amount	Currency		The dollar amount of the withdrawn bid, before any bidding credit is applied.
date	Date/Time		Date when the bid was withdrawn (MM/DD/YYYY).
mab	Currency		The minimum acceptable bid for the next round.

Dropped Bids

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
item_name	Text	20	A unique identifier for the item
item_description	Text	50	Description of the item
market	Text	40	Identifies the geographic region that an item covers. For Auctions 73 and 76, this value is blank for packages.
block	Text	30	Identifies the frequency block of the item.
submarket	Text	30	Indicates a partitioned or disaggregated market.
round_of_drop	Number	Integer	Round number in which the bid was dropped.
round_dropped_bid_placed	Number	Integer	The round in which the dropped bid was placed (bid round, not the drop round).
dropped_bid_amount	Currency		The dollar amount of the bid, before any bidding credit is applied.
date	Date/Time		Date when the bid was dropped (MM/DD/YYYY).

Auction Admin

Column	Data Type	Field Size	Description
auction_id	Number	Integer	Auction number
auction_description	Text	50	Auction description
round	Number	Integer	The round number
mab_floor	Number	Double	The minimum percentage increment or percentage increment floor used in the minimum acceptable bid (MAB) calculations for the next round.

Column	Data Type	Field Size	Description
mab_ceiling	Number	Double	The maximum percentage increment or percentage increment ceiling used in the MAB calculations for the next round.
increment_dollar_cap	Currency		The maximum value of the bid increment amount used to calculate MABs and additional bid amounts for the next round.
activity_weight	Number	Double	The factor used in the MAB calculations for the next round for weighting the current round's activity.
required_activity_percentage	Number	Double	The percentage of activity required in the next round.
solver_optimum_percentage	Number	Double	The minimum relative gap percentage used by the solver when greater than zero. This value is 1 when the solver is configured for 100% optimization.
solver_options	Text	50	Indicates whether tied bids are identified by the system.
price_weight	Number	Double	A factor used in calculating item prices using the smoothed anchoring method. (Unused in Auctions 73 and 76; reported as 0.)