Auction 904 Bidding System File Formats

October 1, 2020

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1.   Introduction

This document provides the data file specifications for the bidding-related upload and download files that will be available to bidders during the Rural Digital Opportunity Fund Phase I Auction (Auction 904). Each file specification includes the format of the file and definitions of the data elements in the files including a name, description, data type, examples and notes.[1] Data type definitions and notation rules are explained in an appendix attached to this document.

2.   Upload/Download Files Available on the Upload Bids Screen

All bids are entered via uploads per state. Bids may only be uploaded for items a bidder is eligible to bid for and that are still open for bidding. Bids are checked for errors during the upload process (e.g., improper file format or invalid bid information). If the upload process does not find any errors, the bids are automatically submitted to the system. If the upload process finds errors, the upload process does not submit the bids.

The system provides a bidding template download per state that can be used for uploading bids. The bidding template download contains a list of items in a state that the bidder is eligible to bid for in a given round. Certain information about these items is already filled in, and the bidder can edit the file, as needed, and then upload it to submit bids.

In this guide, the term "bidder" refers to an applicant that has been identified by the FCC as qualified to bid in Auction 904 based on review of its FCC Form 183 application. The terms "user," "you," and "authorized bidder" refer interchangeably to an individual identified on a qualified bidder's FCC Form 183 as authorized to access the bidding system and to submit bids on behalf of the qualified bidder.

2.1.   Bidding Template (upload and download)

File Name: bidding_template_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file is a template that can be used to upload bids during the auction. When a user downloads this file, he or she will get a list of all items (each item is the aggregation of census blocks eligible for support in a census block group (CBG)) that the bidder can bid on in the state in the round.

This file is available for each state that a bidder can submit bids for in a round. For Round 1, this includes all states the bidder is eligible to bid on in the auction. Starting with Round 2 and until the budget clears, this file is available for a state provided the bidder is still eligible to bid in the auction and at least one of the bidder's tier and latency weight (T+L weight) combinations in the state is still feasible for at least one item in the state for the round. For example, if the only T+L weight a bidder is eligible for in a state is 75, then the bidder will not be able to submit any bids with a price point lower than 76. After the budget clears, this file is available for a state if the bidder has carried-forward bids for that

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[1] The terminology used in this document is defined in the *Auction 904 Procedures Public Notice* (*Rural Digital Opportunity Fund Phase I Auction Scheduled For October 29, 2020; Notice and Filing Requirements and Other Procedures For Auction 904*, Public Notice, 35 FCC Rcd 6077 (2020) (*Auction 904 Procedures Public Notice*)) and explained in the Auction 904 Technical Guide, available at www.fcc.gov/auction/904.

state in the round and can still bid for at least one item based on the tier and latency weights that are still feasible for the round.

Before the budget clears, this file contains all items in a state, provided the bidder is still eligible to bid for the item. If the only T+L weight that a bidder can bid for a given item is not feasible for the round, then that item will not be included in the bidding template download. After the budget clears, this file contains all items in a bidder's carried-forward bids that has not been assigned to other bidders (due to lower T+L weights), and for which the T+L weight is still feasible in the round.

Many of the fields in the download file contain default information to streamline the upload process. For example, if bids already exist (due to a prior upload in the round or due to proxy instructions), these bids are already present in the file. If fields are restricted to specific values (e.g., the bidder is eligible for only one T+L weight), then this information is pre-filled. If a bidder bid for a specific T+L weight for an item in a previous round, then that T+L weight is pre-filled in. If a bidder was bidding for packages in the previous round, then the download file will list the package information in previous_round_package. If the package bid was for a price point that corresponds to this round, then the package is also listed in PACKAGE_ID. The download file also contains additional information about the items, such as state, county, and number of locations.

The bidding template download can be used for the upload process. After downloading the bidding template file, a user can simply change bid information, as allowed by the terms of the *Auction 904 Procedures Public Notice* and explained in the RDOF Technical Guide, and upload the file.

You do not have to use the bidding template file to upload bids. You can create an upload file outside the system, if desired, as long as the file has the proper format. Any upload file **must** contain a header row, and the header row must contain five columns: ITEM, T+L_WEIGHT, PRICE_POINT_ENTERED, PACKAGE_ID, and MIN_SCALE_PCT. These five columns must be in the specified order. All other columns will be ignored during the upload process.

Any successful bid upload **replaces** bids that already exist in the round, including proxy bids. If a bidder does not specify a bid for a given CBG that it is eligible for, then the system will assume NO bid exists for this CBG, even if a user bid for it in a previous upload or a proxy existed for it at the start of the round.

File Structure:

- CSV file (first row contains header)
- The first five columns are required and have headers in all capital letters. Other columns are optional and ignored during upload.
- One record for each item the bidder can bid on in the state in the round.
- File name may not include characters other than letters (upper or lower case), numbers, spaces, hyphens, and underscores.

Field	Description	Data Type	Examples/*Notes*
ITEM	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
T+L_WEIGHT	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90
PRICE_POINT_ENTERED	Price point specified, as a percentage. This may include proxy instructions for future rounds.	Decimal	70.50 71 *If price_point_entered is less than this round's clock percentage, it represents both a bid at this round's clock percentage and a proxy instruction for a subsequent bid at a lower percentage.* *This field must be the same for every item in the package.*

For the T+L_WEIGHT row, the Examples/Notes cell also contains the following table:

Performance Tier	Latency	Weight
Minimum (50)	Low (0)	50
Baseline (35)	Low (0)	35
Above baseline (20)	Low (0)	20
Gigabit (0)	Low (0)	0
Minimum (50)	High (40)	90
Baseline (35)	High (40)	75
Above baseline (20)	High (40)	60
Gigabit (0)	High (40)	40

Field	Description	Data Type	Examples/*Notes*
PACKAGE_ID	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null (if bidding as a singleton)* *This is the bidder's name for the package, not the internal id specified by the bidding system for the package.* *This field must be the same for every item in the package.* *The bidder can specify a different PACKAGE_ID than it used in the previous round, even if the items in the package are identical.* *Note that if any part of the package bid in the prior round was assigned, then for the remaining items in the package, carried-forward bid(s) for this round and bids submitted this round according to proxy instructions will be singletons, and this field will be null.* *PACKAGE_ID is restricted to the following characters:* • *Letters (upper and lower)* • *Numbers* • *space* • *hyphen* • *underscore* *PACKAGE_ID is restricted to 30 characters.*

Field	Description	Data Type	Examples/*Notes*
MIN_SCALE_PCT	Minimum scale for a package bid, as a percentage	Decimal	70.75 75 *Null (if bidding as a singleton)* *This field must be the same for every item in the package.* *Note that if any part of the package bid in the prior round was assigned, then for the remaining items in the package, carried-forward bid(s) for this round and bids submitted this round according to proxy instructions will be singletons, and this field will be null.*
The following fields are provided for informational purposes and are ignored if the file is uploaded to the bidding system.			
tier	Performance tier associated with the bid	String	Minimum, Baseline, Above baseline, Gigabit *Ignored during upload*
latency	Latency associated with the bid	String	Low, High *Ignored during upload*

Field	Description	Data Type	Examples/*Notes*
implied_support_entered	The dollar amount of implied support for the item based on the price point entered, the T+L weight, and the reserve price. If the price point entered is greater than or equal to the clock percentage, this will be the same value as implied_support_bid. If the price point entered is below the clock percentage, this will show the implied support at the price point entered in the proxy instructions.	Decimal	600.80 *This amount corresponds to the price point entered and is not limited by the round's clock percentage.* *Ignored during upload*
implied_support_bid	The dollar amount of implied support for the item based on price_point_bid, T+L_weight, and reserve_price. Before the budget clears, implied_support_bid is known as activity.	Decimal	900.00 *This amount will not include proxy instructions; it is limited by the clock percentage and only pertains to the current round.* *Ignored during upload*
implied_support_capped	A flag indicating whether implied_support_bid was capped by the reserve price	String [Y|N]	Y = implied_support_bid capped by the reserve price. N = implied_support_bid not capped by the reserve price *Null if implied_support_bid is null* *Ignored during upload*
reserve_price	Reserve price for item in dollars and cents	Decimal	3640.00 *Ignored during upload*

Field	Description	Data Type	Examples/*Notes*
package_biddable	A flag indicating whether the item can be part of a package	String [Y|N|P]	Y = item can be bid as part of any package. N = item cannot be bid as part of a package P = item can only be bid with other items that were part of the package ID listed in "previous_round_package" *Ignored during upload*
previous_round_clock_pct_bid	A flag indicating whether the bidder bid for the item at the previous round's clock percentage	String [Y|N]	Y = the bidder bid for this item in the previous round at the previous round's clock percentage. N = the bidder did not bid for this item at last round's clock percentage. *Null for Round 1* *This field is provided as a convenience so that the bidder knows which items it had bid on at the clock percentage in the last round because that affects whether this item counts as a new item for max_activity_new_items_this_round* *Ignored during upload*
previous_round_proxy_instruction	Price point below the previous round's clock percentage that is specified in a previous round, as a percentage	Decimal	20.50 21 *Null for Round 1* *Null (if there is no proxy instruction for this item from a previous round)* *This field must be the same for every item in the package.* *Ignored during upload*

Field	Description	Data Type	Examples/*Notes*
previous_round_proxy_instruction_expired	A flag indicating whether the proxy instruction for the item in the package expired (due to at least one item in that packaged being assigned to other bidders at a lower T+L weight)	String [Y|N]	Y = the system did not place a bid on behalf of the bidder based on the proxy instruction from a previous round N = the system placed a bid on behalf of the bidder based on the proxy instruction from a previous round *Null for Round 1* *Null if previous_round_proxy_instruction is null* *Ignored during upload*
previous_round_package	Bidder's package ID for the item in the last round	String	My Areas *Null (if bidding as a singleton in the last round)* *Null for Round 1* *This field is provided as a convenience so that the bidder knows which items it had combined into a package in the last round.* *Ignored during upload*
t+l_weight_options	Identifies T+L weights that the bidder is eligible for that are feasible in this round	String	"20, 40" *This field is provided as a convenience so that the bidder knows which T+L weights are valid for the item in a given round.* *If a bidder submitted a bid for this item in a previous round, this field will contain the T+L from the earlier bid.* *Ignored during upload*
state	2-character code that uniquely defines a state, district, or territory	String	AL *Ignored during upload*
county	Name of the county	String	Autauga *Ignored during upload*

Field	Description	Data Type	Examples/*Notes*
census_id	Census block group (CBG) ID	String	010010210001 *Ignored during upload*
locations	Number of locations in item	Integer	7 *Ignored during upload*
clock_pct	Announced clock percentage for this round	Decimal	165.00 *Ignored during upload*

2.2.   Upload Errors

File Name: upload_errors_@@.csv
(@@ = two-letter abbreviation for the state)

This file provides a detailed account of errors from the bidder's last unsuccessful bid upload for a particular state.

This file does not exist at the start of each round. It will also not exist if the last action was a good upload or a revert.

File Structure:

- CSV file (first row contains header)
- One line per error, with up to five errors (records) logged per line_no

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for the auction	String	904 904 Mock
round	Round number of upload	Integer	11
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
line_no	Line number containing the error	Number	102 *Null if error is not specific to a row*
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011 *Null if error is not specific to an item or if the item is not recognized by the auction*

Field	Description	Data Type	Examples/*Notes*
state	2-character code that uniquely defines a state, district, or territory	String	AL *State that the item belongs to*
county	Name of the county	String	Autauga *Null if error is not specific to an item*
census_id	Census block group (CBG) ID	String	010010210001 *Null if error is not specific to an item*
error_code	Error code	String	E01
error_description	Error description	String	Invalid item number
ITEM	ID for item that the bidder entered in upload file	String	AL-001-0208011
T+L_WEIGHT	Sum of the weights associated with the performance tier and latency combination of a bid that the bidder entered in upload file	String	0 20 *Null if bidder did not enter any value*
PRICE_POINT_ENTERED	Price point that the bidder specified, as a percentage.	String	70.50 *Null if bidder did not enter any value*
PACKAGE_ID	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null if bidder did not enter any value*
MIN_SCALE_PCT	Minimum scale for a package bid, as a percentage	String	70.75 75 *Null if bidder did not enter any value*
upload_filename	Name of file that the bidder uploaded	String	Sample_bid1.csv
user	Name of the user performing action	String	Joe Bidder
timestamp	Date and time the action was taken	Date/Time	2020-10-27 14:16:53

3.   Download Files Available on the Downloads Screen

3.1.   My Bids

File name: my_bids_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

Bids can be entered individually or as packages. Some of the information in this file repeats for every item in a package.

This file is available for all states that a bidder can submit bids for in a round. For Round 1, this includes all states the bidder is eligible to bid on in the auction. Starting with Round 2 and until the budget clears, this file is available for a state provided the bidder is still eligible to bid in the auction and at least one of the bidder's T+L weights in the state is still feasible for at least one item in the state for the round. After the budget clears, this file is available for a state if the bidder has carried-forward bids for that state in the round and can still bid for at least one item (based on the T+L weights that are still feasible for the round and all items were not assigned to other bidders in previous rounds due to lower T+L weights).

File Structure:

- CSV file (first row contains header)
- One record per item of any bids entered by the bidder or by the system according to proxy instructions

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
t+l_weight	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90
tier	Performance tier	String	Minimum, Baseline, Above baseline, Gigabit
latency	Latency	String	Low, High

Field	Description	Data Type	Examples/*Notes*
price_point_entered	Price point that the bidder specified, as a percentage. This may include proxy instructions for future rounds.	Decimal	70.50 *If price_point_entered is less than this round's clock percentage, it represents both a bid at this round's clock percentage and a proxy instruction for a subsequent bid at a lower percentage.* *This field must be the same for every item in the package.*
price_point_bid	The price point for a given T+L weight for the item for the round, limited by the round's clock_pct. Max (price_point_entered, clock_pct).	Decimal	75.00 *This field is used in calculations for implied support bid (also known as "activity" before the budget clears) in a round.* *This field must be the same for every item in the package.*
package_id	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null (if bidding as a singleton)* *This is the bidder's name for the package, not the internal id specified by the bidding system for the package.* *This field must be the same for every item in the package for a particular round.*
min_scale_pct	Minimum scale for a package bid, as a percentage.	Decimal	70.75 75 *Null (if bidding as a singleton)* *This field must be the same for every item in the package.*

Field	Description	Data Type	Examples/*Notes*
implied_support_entered	The dollar amount of implied support for the item based on the price point entered, the T+L weight, and the reserve price. If the price point entered is greater than or equal to the clock percentage, this will be the same value as implied_support_bid. If the price point entered is below the clock percentage, this will show the implied support at the price point entered in the proxy instructions.	Decimal	600.80 *This amount corresponds to the price point entered and is not limited by the round's clock percentage.*
implied_support_bid	The dollar amount of implied support for the item based on price_point_bid, t+l_weight, and reserve_price. Before the budget clears, implied_support_bid is known as activity.	Decimal	900.00 *This amount will not include proxy instructions; it is limited by the clock percentage and only pertains to the current round.*
implied_support_clock_pct	The dollar amount of implied_support_bid for items in the state where the bidder's price_point_bid = clock_pct, in dollars and cents.	Decimal	800.00 *0 if the price_point_bid > clock_pct* *This amount includes bids at the clock percentage entered according to proxy instructions.*
implied_support_capped	A flag indicating whether implied_support_bid was capped by the reserve price	String [Y|N]	Y = implied_support_bid capped by the reserve price. N = implied_support_bid not capped by the reserve price
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
census_id	Census block group (CBG) ID	String	010010210001
locations	Number of locations in item	Integer	7

Field	Description	Data Type	Examples/*Notes*
bid_id	Internal bid ID specified by the bidding system for the item or package	String	rrr-ffffffffff-ss-B######## 003-0123456789-IL-B00100001

Field	Description	Example
rrr	Round #	003
ffffffffff	FRN	0123456789
ss	State	IL
B	B=bid	B
###	3-digit #	001 000 for proxy bid *A 3-digit # is assigned sequentially for each successful upload by the bidder in the round. The numbers are assigned separately for each state, and the numbers start at 001 for each round.*
#####	5-digit #	00001 *A 5-digit # is assigned sequentially for each item or package in the successful upload or system-generated (proxy) bid. The numbering starts at 00001 for each upload.*

Field	Description	Data Type	Examples/*Notes*
user	Name of the user performing action	String	Joe Bidder system proxy
timestamp	Date and time the action was taken	Date/Time	2020-10-27 14:16:53

3.2.   My Bid Audit Log

File Name: my_bid_audit_log_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

Detailed account of activity that may affect the bids in the system. This activity could be from any of the following:

- The system entering bids at the start of the round based on pre-existing proxy instructions that pertain to this round
- The system entering carried-forward bids at the start of the round (Round 2 and later)
- A bidder uploading bids for a round (good)

- A bidder attempting to upload bids for a round (error)
- A bidder choosing to revert bids to those resulting from pre-existing proxy instructions that pertain to the round
- A bidder choosing to revert bids (no proxy instructions exist that pertain to the round)

This file is available for all states that a bidder can submit bid for in a round. For Round 1, this includes all states the bidder is eligible to bid on in the auction. Starting with Round 2 and until the budget clears, this file is available for a state provided the bidder is still eligible to bid in the auction and at least one of the bidder's T+L weights in the state is still feasible for at least one item in the state for the round. After the budget clears, this file is available for a state if the bidder has carried-forward bids for that state in the round and can still bid for at least one item (based on the T+L weights that are still feasible for the round and all items were not assigned to other bidders in previous rounds due to lower T+L weights).

File Structure:

- CSV file (first row contains header)
- One record per action

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number of upload	Integer	11
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
state	2-character code that uniquely defines a state, district, or territory	String	AL
action	Action the bidder took	String	Initial *(for bids at start of round that were entered from proxy instructions, if any)* Upload Revert Carried-Forward
upload_result	Indicates whether the upload was successful	String	Good Error *Null if action is not "Upload"*

Field	Description	Data Type	Examples/*Notes*
number_upload_err ors	Number of upload errors, up to a max of 500	Integer	2 0 *For action = "upload" and upload_result = "Error", this field contains the number of errors.* *For action = "upload" and upload_result = "Good", this field contains 0.* *For action = "initial", "revert" or "carried-forward", this field is null.*
items_in_bids	Number of items from successful upload or a "revert"	Integer	23 *For action = "upload" and upload_result = "Error", this field is null.* *For action = "upload" and upload_result = "Good", this field contains the number of items in the uploaded bids.* *For action = "revert", this field contains the number of items that are entered as bids at the start of the round from pre-existing proxy instructions.* *For action = "carried-forward", this field contains the number of items in the carried-forward bid.* *For action = "initial", this field contains the number of items that are entered as bids at the start of the round from pre-existing proxy instructions.*

Field	Description	Data Type	Examples/*Notes*
upload_filename	Name of file that the bidder uploaded	String	Sample_bid1.csv *Null if action is not "Upload"*
user	Name of the user performing action	String	Joe Smith Admin *(for action = "Initial" or "Carried-Forward")*
timestamp	Date and time the action was taken	Date/Time	2020-10-27 14:16:53

3.3.   My Carried-Forward Bids

File name: my_carried_forward_bids_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This is the same format as My Bids but only will include the carried-forward bids for the round. Thus, the file will only include the "C" bid_id values, and bid_id values might have the optional 5-digit # for carried-forward remainders (see below for the bid_id field).

The package_id in a carried-forward bid will be the same as the package_id from the bid in the previous round. This is the case even if the carried-forward bid does not include all items from the previous round bid.

After the budget clears, if the bidder submitted a package bid at the clock percentage and was assigned at least one (but not all) of the items of a package bid then items unassigned to any bidder will be listed as singletons in this file. If the bidder submitted a package bid at clock percentage and the bidder did not win any items in the package and at least one (but not all) of the items were assigned to other bidders, then all items for the package bid will be listed in the carried-forward bid even though some have already been assigned to other bidders. This is needed so that the carried-forward bid can be evaluated at the minimum scale percentage of the original bid. In this situation the items that have been already assigned will not be re-assigned.

This file displays on the Downloads screen. The file does not exist before Round 2 is announced. This file is available for a state if the bidder has carried-forward bids for that state in the round.

File Structure:

- CSV file (first row contains header)
- One record per item of any carried-forward bids (excluding bids where all items in the package bid were assigned in the previous round)

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
bidder	Qualified bidder name	String	Bidding Company

Field	Description	Data Type	Examples/*Notes*
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
t+l_weight	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90
tier	Performance tier	String	Minimum, Baseline, Above baseline, Gigabit
latency	Latency	String	Low, High
price_point_entered	Price point that the bidder specified, as a percentage. This may include proxy instructions for future rounds.	Decimal	70.50 *If price_point_entered is less than this round's clock percentage, it represents both a bid at this round's clock percentage and a proxy instruction for a subsequent bid at a lower percentage.* *This field must be the same for every item in the package.*
price_point_bid	The price point for a given T+L weight for the item for the round, limited by the round's clock_pct. Max (price_point_entered, clock_pct).	Decimal	75.00 *This field is used in calculations for implied support bid (also known as "activity" before the budget clears) in a round.* *This field must be the same for every item in the package.*
package_id	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null (if bidding as a singleton)* *This is the bidder's name for the package, not the internal id specified by the bidding system for the package.* *This field must be the same for every item in the package for a particular round.*

Field	Description	Data Type	Examples/*Notes*
min_scale_pct	Minimum scale for a package bid, as a percentage.	Decimal	70.75 75 *Null (if bidding as a singleton)* *This field must be the same for every item in the package.*
implied_support_ entered	The dollar amount of implied support for the item based on the price point entered, the T+L weight, and the reserve price. If the price point entered is greater than or equal to the clock percentage, this will be the same value as implied_support_bid. If the price point entered is below the clock percentage, this will show the implied support at the price point entered in the proxy instructions.	Decimal	600.80 *This amount corresponds to the price point entered and is not limited by the round's clock percentage.*
implied_support_ bid	The dollar amount of implied support for the item based on price_point_bid, t+l_weight, and reserve_price. Before the budget clears, implied_support_bid is known as activity.	Decimal	900.00 *This amount will not include proxy instructions; it is limited by the clock percentage and only pertains to bids for the current round.*
implied_support_ clock_pct	The dollar amount of implied_support_bid for items in the state where the bidder's price_point_bid = clock_pct, in dollars and cents.	Decimal	800.00 *0 if the price_point_bid > clock_pct* *This amount includes bids at the clock percentage entered according to proxy instructions.*
implied_support_ capped	A flag indicating whether implied_support_bid was capped by the reserve price	String [Y|N]	Y = implied_support_bid capped by the reserve price. N = implied_support_bid not capped by the reserve price

Field	Description	Data Type	Examples/*Notes*
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
census_id	Census block group (CBG) ID	String	010010210001
locations	Number of locations in item	Integer	7
bid_id	Internal bid ID specified by the bidding system for the item or package	String	rrr-ffffffffff-ss-C########{-######} 004-0123456789-IL-C00100001 004-0123456789-IL-C00101399-00001 004-0123456789-IL-C00101399-00002

Field	Description	Example
rrr	Round #	003
ffffffffff	FRN	0123456789
ss	State	IL
C	C=carried-forward	C
########	8-digit #	00100001 *The 8-digit # (from the 3-digit and 5-digit #s) from the bid_id of the bid in the previous round*
-#####	5-digit # for carried-forward remainders, when applicable	-00001 -00002 *Null if carried forward bid is not a remainder*

|
| user | Name of the user performing action | String | Joe Bidder
system proxy |
| timestamp | Date and time the action was taken | Date/Time | 2020-10-27 14:16:53
Time that bids were processed |

3.4.   My Bid Results

File Name: my_bid_results_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file contains information about items for which a bidder bid either individually or as part of a package in the posted round. The bids may have been submitted by the bidder, by the system in accordance with proxy instructions, or carried forward.

For Round 1, there is one record per item in a bid submitted by the bidder.

For Round 2 and before the budget clears, and for the clearing round, there is one record per item in a bid for items that bidder did not submit bids at the previous round's clock percentage and one record for each item in a carried-forward bid.

For rounds after the budget clears, there is one record for each item in a carried-forward bid (excluding items that were assigned to other bidders in the previous round). If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned due to the carried-forward bid (this can only happen when the minimum scale percentage of the bid at the lower price point cannot be met, but the minimum scale percentage of the carried-forward bid can be met). If the bidder did not submit a bid for an item at a lower price point than the carried-forward bid, this file will show the information from the carried-forward bid.

This file is available for all states that a bidder was eligible to bid for during a round. For Round 1, this includes all states the bidder is eligible to bid on in the auction. Starting with Round 2 and until the budget clears, this file is available for a state provided the bidder was still eligible to bid in the auction and at least one of the bidder's T+L weights in the state was still feasible for at least one item in the state for the round. After the budget clears, this file is available for a state if the bidder had carried-forward bids for that state in the round and could still bid for at least one item (based on the T+L weights that are still feasible for the round and all items were not assigned to other bidders in previous rounds due to lower T+L weights).

File Structure:
- CSV file (first row contains header)
- One record per item (see description above for additional detail)

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
t+l_weight	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90
tier	Performance tier	String	Minimum, Baseline, Above baseline, Gigabit
latency	Latency	String	Low, High

Field	Description	Data Type	Examples/*Notes*
price_point_enter ed	Price point that the bidder specified, as a percentage. This may include proxy instructions for future rounds.	Decimal	70.50
price_point_bid	The price point for the item for the round, limited by the round's clock_pct. Max (price_point_entered, clock_pct).	Decimal	75.00 *This field is used in calculations for implied support (also known as "activity" before the budget clears) in a round.* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If the item is assigned as part of a package that is a combination of new and carried-forward bids, this field will <u>not</u> be the same for every item in the assigned package (with the same assigned_id).*
bid_clock_pct_fla g	A flag indicating whether the price point bid equals the round's clock percentage	String [Y|N]	Y: price_point_bid = clock_pct N: price_point_bid > clock_pct *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If the item is assigned as part of a package that is a combination of new and carried-forward bids, this field will <u>not</u> be the same for every item in the assigned package (with the same assigned_id).*

Field	Description	Data Type	Examples/*Notes*
package_id	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null (if bidding as a singleton)* *This is the bidder's name for the package, not the internal id specified by the bidding system for the package.* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If the item is assigned as part of a package that is a combination of new and carried-forward bids, this field will <u>not</u> be the same for every item in the assigned package (with the same assigned_id).*
min_scale_pct	Minimum scale for a package bid, as a percentage.	Decimal	70.75 *Null (if bidding as a singleton)* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If the item is assigned as part of a package that is a combination of new and carried-forward bids, this field will <u>not</u> be the same for every item in the assigned package (with the same assigned_id).*

Field	Description	Data Type	Examples/*Notes*
implied_support_ bid	The dollar amount of implied support for the item based on price_point_bid, t+l_weight, and reserve_price. Before the budget clears, implied_support_bid is known as activity.	Decimal	900.00 *This amount will not include proxy instructions; it is limited by the clock percentage and pertains to bids for the current round.* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.*
bid_id	Internal bid ID specified by the bidding system for the item or package	String	rrr-ffffffffff-ss-B######## 003-0123456789-IL-B00100001

Field	Description	Example
rrr	Round #	003
ffffffffff	FRN	0123456789
ss	State	IL
B	B=bid	B
###	3-digit #	001 000 for system-generated proxy bid *A 3-digit # is assigned sequentially for each successful upload by the bidder in the round. The numbers are assigned separately for each state, and the numbers start at 001 for each round.*
#####	5-digit #	00001 *A 5-digit # is assigned sequentially for each item or package in the successful upload or system-generated (proxy) bid. The numbering starts at 00001 for each upload.*

Field	Description	Data Type	Examples/*Notes*
my_assigned_status	A flag indicating whether the item was assigned	String [1|2|3]	1 = not assigned 2 = provisionally assigned to the bidder 3 = provisionally assigned to another bidder *Will be '1' before the budget clears* *Will be '1', '2', or '3' after the budget clears* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.*
assigned_support	The support the bidder will receive for a provisionally winning bid, in dollars and cents (subject to FCC post-auction review).	Decimal	1200.00 *Null if before the budget clears, if the bidder did not win the item, or if the item has not yet been assigned to any bidder.* *Note: Support amounts are determined using a second-price rule.*
price_point_assigned	The price point that correlates to the assigned_support (unless assigned support is capped by the reserve price)	Decimal	76.50 *Null if item has not been assigned to the bidder* *Null if assigned support is capped by the reserve price* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If the item is assigned as part of a package that is a combination of new and carried-forward bids, this field will <u>not</u> be the same for every item in the assigned package (with the same assigned_id).*

Field	Description	Data Type	Examples/*Notes*
assigned_id	Internal ID specified by bidding system for assigned package (or item if not assigned as part of a package)	String	rrr-ffffffffff-ss-B######## rrr-ffffffffff-ss-C######## rrr-ffffffffff-ss-C########-##### *Null if not assigned* 004-0123456789-IL-B00200003 004-0123456789-IL-C00100001 004-0123456789-IL-C00101399-00001 *The same as the bid_id from a bid or a carried-forward bid. If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.* *If at least one of the bids assigned at a lower price point in the round is required to meet the minimum scale percentage of the carried-forward bid, then all assigned items that were assigned in the round that were part of the carried-forward (parent) bid are given the same assigned_id. The assigned_id will be the same as bid_id for the carried-forward bid.*

Field	Description	Example
rrr	Round #	003
ffffffffff	FRN	0123456789
ss	State	IL
B or C	B=bid C=carried-forward	B C
########	8-digit #	00100001 *B: the 8-digit # (from the 3-digit and 5-digit #s) from the bid_id for the uploaded bid or system-generated bid (proxy)* *C: the 8-digit # from the bid_id of the bid in the previous round*
-#####	5-digit # for carried-forward remainders, when applicable	-00001 -00002 *Null if carried forward bid is not a remainder*

Field	Description	Data Type	Examples/*Notes*
assigned_id_com bined	A flag indicating whether the assigned_id of a new bid is the same as the assigned_id of a carried-forward bid. In effect, the new bid and carried-forward bid are combined into one winning bid. This will occur when a carried-forward package bid is assigned and it could not have been assigned without at least one item from a subsequent bid at a lower price point.	String	Y = The assigned_id of a new bid is the same as the assigned_id of a carried-forward bid. *Null otherwise* *All assigned items in the new bid(s) and the carried-forward bid will have the same value for assigned_id and will have this flag set to "Y", but the price_point_bid values will be different.*

Field	Description	Data Type	Examples/*Notes*
biddable_next_round	A flag indicating whether the bidder can bid for the item next round.	String [Y|N]	Before the budget clears: Y = Item can be bid on in the next round if the bidder has sufficient eligibility. N = item can no longer be bid on in the next round. *(Either (a) the bidder's T+L weight is no longer feasible or (b) the bidder is no longer eligible to submit bids in the auction (its maximum activity on new CBGs in the next round = 0).)* After the budget clears: Y = Item can be bid on in the next round. N = item can no longer be bid on in the next round. *(Either (a) item is already assigned to this bidder or other bidders, or (b) price point of bid in this round > this round's clock percentage, or (c) item will only exist as part of a carried-forward bid in the next round (this can only happen if price point of bid in this round = this round's clock percentage = T+L weight + 1).)* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.*

Field	Description	Data Type	Examples/*Notes*
package_biddable _next_round	A flag indicating whether the item can be part of a package next round.	String [Y|P|N]	If biddable_next_round = Y: Before the budget clears: Y = Item can be bid on as part of a package bid in the next round. After the budget clears: P = Item can be bid on as part of a package in the next round, provided it is combined with one or more items from the same package_id from this round. N = Item can only be bid as a singleton in the next round. *(Either (a) the item was bid as a singleton during the current round, or (b) it was bid as a package in the current round and at least one item in this package (package_id) was assigned to the bidder in this round, or (c) all but one items from the package were assigned to other bidders in this round.)* *Null if biddable_next_round = N* *If the bidder submitted a bid for an item at a lower price point than the carried-forward bid, this file will show information associated with the bid at the lower price point unless the item is assigned as part of the carried-forward package bid.*
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
census_id	Census block group (CBG) ID	String	010010210001
locations	Number of locations in item	Integer	7

Field	Description	Data Type	Examples/*Notes*
selection_number	Pseudo-random number for tie-breaking purposes: a number between 0 and 1 with 15 digits accuracy, represented as a string in the downloads to preserve trailing 0s	String	0.123456789012345 *The same selection number applies to all bids in a package.* *When comparing tied bids, the bid with the highest selection_number wins the tie.*

3.5.   My Items Support Ranges

File Name: my_items_support_ranges_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file contains the range of implied support amounts in dollars and cents corresponding to the T+L weights and the price points that can be entered for each item.

File Structure:

- CSV file (first row contains header)
- One record per item

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
max_support_t+l_0	Implied support for t+l_weight = 0 at the clock percentage of the last round minus 0.01%	Decimal	12913.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l_0	Implied support for t+l_weight = 0 at this round's clock percentage if it is at least 1%	Decimal	12177.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l_20	Implied support for t+l_weight = 20 at the clock percentage of the last round minus 0.01%	Decimal	11068.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*

Field	Description	Data Type	Examples/*Notes*
min_support_t+l _20	Implied support for t+l_weight = 20 at this round's clock percentage if it is at least 21%	Decimal	10332.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l_35	Implied support for t+l_weight = 35 at the clock percentage of the last round minus 0.01%	Decimal	9838.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _35	Implied support for t+l_weight = 35 at this round's clock percentage if it is at least 36%	Decimal	9102.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l_40	Implied support for t+l_weight = 40 at the clock percentage of the last round minus 0.01%	Decimal	7993.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _40	Implied support for t+l_weight = 40 at this round's clock percentage if it is at least 41%	Decimal	7257.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l _50	Implied support for t+l_weight = 50 at the clock percentage of the last round minus 0.01%	Decimal	7378.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _50	Implied support for t+l_weight = 50 at this round's clock percentage if it is at least 51%	Decimal	6642.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l_60	Implied support for t+l_weight = 60 at the clock percentage of the last round minus 0.01%	Decimal	4918.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _60	Implied support for t+l_weight = 60 at this round's clock percentage if it is at least 61%	Decimal	4182.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*

Field	Description	Data Type	Examples/*Notes*
max_support_t+l_75	Implied support for t+l_weight = 75 at the clock percentage of the last round minus 0.01%	Decimal	4303.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _75	Implied support for t+l_weight = 75 at this round's clock percentage if it is at least 76%	Decimal	3567.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
max_support_t+l_90	Implied support for t+l_weight = 90 at the clock percentage of the last round minus 0.01%	Decimal	1720.77 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
min_support_t+l _90	Implied support for t+l_weight = 90 at this round's clock percentage if it is at least 91%	Decimal	1107.00 *Null if bidder is not eligible for this T+L weight* *Null if the T+L weight is no longer feasible*
reserve_price	Reserve price for item in dollars and cents	Decimal	3640.00
clock_pct_last_round	Announced clock percentage for last round	Decimal	170.00 *Null for Round 1 data*
clock_pct	Announced clock percentage for this round	Decimal	165.00
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
locations	Number of locations in item	Integer	7

3.6.   Item Status

File Name: item_status_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

For each posted round, this file contains all items for a state. Bidders can see the item status for any state in the auction, not just those they are eligible to bid for. The data is same for all bidders for that state and round.

File Structure:

- CSV file (first row contains header)

- One record per item

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
census_id	Census block group (CBG) ID	String	010010210001
locations	Number of locations in item	Integer	7
reserve_price	Reserve price for item in dollars and cents	Decimal	3640.00
bids_for_item	Total number of bids for this item at the clock percentage, counting all T+L weights across all bidders	String	0 1 2+ *Null if item is assigned or no longer available after the budget clears*
bids_lowest_t+l_weight	The lowest T+L weight among all bids for the item at the round's clock percentage	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90 *Null if bids_for_item = 0*
assigned_status	A flag indicating whether the item was assigned	String [Y|N]	Y = assigned N = not assigned *Null before the budget clears or if item is no longer available*
item_available	A flag indicating whether the item can be assigned	String [Y|N]	Y = item is available (i.e., can be assigned) N = item is not available *Before the budget clears it is always "Y".* *After the budget clears, it is "Y" if the item is in at least one carried-forward bid. Otherwise, it is "N".*

3.7.   My Assigned Bids

File Name: my_assigned_bids_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file contains a list of all the bidder's assigned bids and the corresponding assigned support amounts. If a package, the items within the package are listed in the next file, My Assigned Package Items. If only one item is assigned from a package bid, then this is considered an assignment of a single item, not a package assignment. If no bids are assigned to the bidder, then the file consists of the column headers only and does not include any records.

This file is cumulative and may be generated at any time after the budget clears.

Note: Multiple winning bid packages may be combined into a winning assignment package when bids at lower price points are needed in order to meet the minimum scale percentage of the "parent" carried-forward bid. The My Bid Results file contains this cross-reference.

File Structure:

- CSV file (first row contains header)
- One record per assigned item or package

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
state	2-character code that uniquely defines a state, district, or territory	String	AL

Field	Description	Data Type	Examples/*Notes*
assigned_id	Internal ID specified by the bidding system for assigned item or package	String	rrr-ffffffffff-ss-B######## rrr-ffffffffff-ss-C######## rrr-ffffffffff-ss-C########-##### 003-0123456789-IL-B00100001 004-0123456789-IL-C00100001 004-0123456789-IL-C00101399-00001 *The same as the bid_id from a bid or a carried-forward bid* *If at least one of the bids assigned at a lower price point in the round is required to meet the minimum scale percentage of the carried-forward bid, then all assigned items that were assigned in the round that were part of the carried-forward (parent) bid are given the same assigned_id. The assigned_id will be the bid_id for the carried-forward bid.* *See My Bid Results for complete description and examples.*

Field	Description	Data Type	Examples/*Notes*
assigned_support_amount	The support a bidder will receive for the assigned item or package, in dollars and cents (subject to FCC post-auction review)	Decimal	1200.00 *The amount of assigned support for the item or package. For packages, this is the sum of the assigned_support for each of the items in the package.* *Note: An assigned package might be made up of multiple bids due to combining assignments for purpose of meeting the minimum scale percentage for the carried-forward bid.*
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011 *Null when assigned bid is a package* *See the My Assigned Package Items file, below, for the list of assigned items in a package.*
package_flag	A flag indicating whether the assignment is for a package	String	Y = there are at least two items assigned from a package bid in a given round. *The details about each item are listed in the My Assigned Package Items file.* *Null otherwise*

Field	Description	Data Type	Examples/*Notes*
package_id	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *Null (if bidding as a singleton)* *This is the bidder's name for the package, not the internal id specified by the bidding system for a package.* *This field must be the same for every item in the package.* *If only a single item was assigned from a package bid, this field will contain the package id from the bidder's package bid, but the package_flag will be null.*
t+l_weight	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90 *Null if package_flag = "Y"*
tier	Performance tier	String	Minimum, Baseline, Above baseline, Gigabit *Null if package_flag = "Y"*
latency	Latency	String	Low, High *Null if package_flag = "Y"*
round_assigned	Round number the item or package was assigned	Integer	11
round_of_report	The number of the last posted round when the report is generated	Integer	15

3.8.   My Assigned Package Items

File Name: my_assigned_package_items_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file contains a list of the items in the assigned packages. The file includes records only if there are at least two items assigned from a package bid in a given round. A single item assigned from a package in a given round is not considered a "package" for purpose of an assigned package. If there are not at least two items assigned from a package bid, then the file consists of the column headers only and does not include any records.

This file is cumulative and may be generated at any time after the budget clears.

File Structure:

- CSV file (first row contains header)
- One record per item in assigned packages

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
package_id	ID specified by the bidder for a group of items that are bid for together as a package	String	My Areas *This is the bidder's name for the package, not the internal id specified by the bidding system for a package.* *This field must be the same for every item in the package.*

Field	Description	Data Type	Examples/*Notes*
assigned_id	Internal ID specified by the bidding system for assigned item or package	String	rrr-ffffffffff-ss-B######## rrr-ffffffffff-ss-C######## rrr-ffffffffff-ss-C########-##### 003-0123456789-IL-B00100001 004-0123456789-IL-C00100001 004-0123456789-IL-C00101399-00001 *The same as the bid_id from a bid or a carried-forward bid* *If at least one of the bids assigned at a lower price point in the round is required to meet the minimum scale percentage of the carried-forward bid, then all assigned items that were assigned in the round that were part of the carried-forward (parent) bid are given the same assigned_id. The assigned_id will be the bid_id for the carried-forward bid.* *See My Bid Results for complete description and examples.*
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga
census_id	Census block group (CBG) ID	String	010010210001
t+l_weight	Sum of the weights associated with the performance tier and latency combination of a bid	Integer	Valid values: 0, 20, 35, 40, 50, 60, 75, 90

Field	Description	Data Type	Examples/*Notes*
tier	Performance tier	String	Minimum, Baseline, Above baseline, Gigabit
latency	Latency	String	Low, High
locations	Number of locations in item	Integer	7
round_assigned	Round number the item was assigned	Integer	11
round_of_report	The number of the last posted round when the report is generated	Integer	15

3.9.   My Assigned Census Blocks

File Name: my_assigned_census_blocks_@@_round_#.csv
(@@ = two-letter abbreviation for the state, # = round number)

This file lists the individual census blocks in the items assigned to the bidder. If no bids are assigned to the bidder, then the file consists of the column headers only and does not include any records.

This file is cumulative and may be generated at any time after the budget clears.

File Structure:

- CSV file (first row contains header)
- One record per census block in an assigned item or package

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
block_id	Census block ID: 2-character state FIPS code 3-character county FIPS code 6-character census tract code 1-character block group code 3-character block code	String	010010210001333
item	ID for item (aggregation of blocks eligible for support in a CBG) in auction	String	AL-001-0208011
state	2-character code that uniquely defines a state, district, or territory	String	AL
county	Name of the county	String	Autauga

Field	Description	Data Type	Examples/*Notes*
census_id	Census block group (CBG) ID	String	010010210001

3.10.   My Bidder Status

File Name: my_bidder_status_round_#.csv
(# = round number)

For each round, this file contains summary information for the bidder. The file contains the total number of items, locations, and implied support for all of its bids, summed across all states, at the price point bid and at the clock percentage. It also includes the number of items that are in proxy instructions for the next round. This file includes the bidder's activity limits for the round ("max" fields this round) and for the next round ("max" fields next round), when they apply. This file includes the assigned support once the budget clears; and the number of items, locations, and implied support for its carried-forward bids for Round 2 and later rounds. This file is updated during active rounds, when rounds are posted and announced.

File Structure:

- CSV file (first row contains header)
- One record per round

Field	Description	Data Type	Examples/*Notes*
auction_id	The FCC auction number for this auction	String	904 904 Mock
round	Round number	Integer	11
bidder	Qualified bidder name	String	Bidding Company
frn	Qualified bidder's FCC Registration Number	String [0-9]{10}	0123456789
max_activity_this_round	The maximum amount of activity (measured in terms of implied support) for the bidder's bids in this round, in dollars and cents	Decimal	50000000.00 *Null for Round 1* *Null for rounds after the clearing round* *Equal to the sum of the last round's implied_support_bid (or 0 for items when the bidder's T+L weight is no longer feasible)*

Field	Description	Data Type	Examples/*Notes*
max_activity_new_items_this_round	The maximum amount of activity (measured in terms of implied support) the bidder can have in the current round for items that it did not bid for at the clock percentage in the previous round, in dollars and cents	Decimal	4000000.00 *Null for Round 1* *Null for rounds after the clearing round* *Equal to max_switch_percentage times (the sum of the last round's implied_support_clock_pct for items where price_point_bid = clock_pct and the bidder's T+L weight is still feasible)*
total_assigned_support_previous_rounds	Sum of the assigned_support for all the bidder's provisionally winning bids in the auction in prior rounds, in dollars and cents	Decimal	1600000.00 *Null before the budget clears*
implied_support_carried_foward	Sum of the implied support amounts for items in the bidder's carried-forward bids, in dollars and cents. Carried-forward bids are always at last round's clock percentage.	Decimal	300000.00 0.00 *Null for Round 1*
implied_support_bid	Sum of the dollar amounts of implied support for items in the bidder's bids based on price_point_bid, t+l_weight, and reserve_price. Before the budget clears, implied_support_bid is known as activity.	Decimal	900.00 *This amount will not include proxy instructions; it is limited by the clock percentage and only pertains to bids for the current round.*
implied_support_clock_pct	Sum of implied_support_bid for items where the bidder's price_point_bid = clock_pct, in dollars and cents. Before the budget clears, implied_support_clock_pct is known as activity at the clock percentage.	Decimal	120000.00 0.00

Field	Description	Data Type	Examples/*Notes*
max_implied_support_at_clock_pct	The maximum amount of implied support for the bidder's bids at the round's clock percentage, in dollars and cents.	Decimal	1600000000.00 *It is the same value for all bidders.*
items_carried_forward	Number of items in the bidder's carried-forward bids	Integer	1000 0 *Null for Round 1*
items_in_bids	Number of items in the bidder's bids	Integer	4500 0 *A bid may be entered via proxy instructions or a bid upload.* *Prior to upload: contains all proxy bids* *After successful upload: contains all items in bids* *This does not include any carried-forward bids.*
items_clock_pct	Number of items in the bidder's bids where price_point_bid = clock_pct	Integer	4000 0
items_proxy_instructions	The number of items in the bidder's proxy instructions that were not assigned in the processed round.	Integer	3000 0
locations_carried_forward	Number of locations for the items in the bidder's carried-forward bids	Integer	300 0 *Null for Round 1*
locations_in_bids	Number of locations for the items in the bidder's bids submitted for the round	Integer	800 0
locations_clock_pct	Number of locations for items in the bidder's bids where price_point_bid = clock_pct	Integer	700 0

Field	Description	Data Type	Examples/*Notes*
implied_support_carried_forward_next_round	Sum of the implied support amounts for the items in the bidder's bids that will be carried forward to the next round, in dollars and cents. The carried-forward bids in the next round will be at this round's clock percentage.	Decimal	300000.00 0.00 *Null before this round's results are posted* *Null for Round 1* *This calculation includes all items in the original package, even if some of those items have already been assigned to another bidder.*
total_assigned_support	Sum of the assigned_support for all the bidder's provisionally winning bids in the auction to-date, in dollars and cents	Decimal	2000000.00 *Null before the budget clears* *Null before this round's results are posted*
max_activity_next_round	The maximum amount of activity (measured in terms of implied support) for the bidder's bids in the next round, in dollars and cents	Decimal	45000000.00 *Null before this round's results are posted.* *Null for the clearing round and for rounds after the clearing round.* *Equal to the sum of this round's implied_support_bid (or 0 for items when the bidder's T+L weight is no longer feasible)*

Field	Description	Data Type	Examples/*Notes*
max_activity_new_items_next_round	The maximum amount of activity (measured in terms of implied support) the bidder can have in the next round for items that it did not bid for at the clock percentage in the current round, in dollars and cents	Decimal	3700000.00 *Null before the next round is announced.* *Null for the clearing round and for rounds after the clearing round.* *Equal to max_switch_percentage times (the sum of the round's implied_support_clock_pct for items where price_point_bid = clock_pct and the bidder's T+L weight is still feasible)*

4. **Appendix: Data Type Definitions**

The following is a guide to interpreting data types defined in this document. This guide is based on regular expressions used in XML standards.

Valid Data Types used in this Document

Character: A character is a single standard ASCII character. The following list has examples of valid ASCII characters:

- a
- D
- 3
- %

String: A string contains one or more characters and can contain spaces. The following list has examples of valid strings:

- PEA001
- 005
- 588.3-593.3 MHz + 628.3-633.3 MHz
- Huntsville-Decatur-Florence, AL

Note that strings containing a comma that are included in a CSV formatted file need to include quotation marks around them. In the above example, "Huntsville-Decatur-Florence, AL" would be the correct format for the string in a CSV file.

Numeric: Numeric is a generic data type that covers a number of different underlying data types. As a result, anything defined as numeric could be any of the following:

- Decimal
- Integer
- Long (not used in the RDOF bidding system)

Integer: The integer data type is used to specify a numeric value without a fractional component.

- It's assumed that any Integers defined in this document are unsigned and never include a (+) plus or (-) minus sign. Any signed Integers containing a + or - are considered invalid.
- If the Integer is of defined length then curly brackets should be used. For example, {3} indicates the integer should be exactly 3 digits long.

The following list has examples of valid Integers:

- 009
- 9
- 2147483647

46

The following list has examples of *invalid* Integers:

- -009

- +009

Decimal: Numeric type that is used to specify a numeric value that may contain a fractional component. The decimal numbers in the RDOF bidding system use 2 decimal places.

- It's assumed that any decimals defined in this document are unsigned and never include a (+) plus or (-) minus sign. Any signed decimals containing a + or - are considered invalid.

The following list has examples of valid decimals:

- 45

- 0.15

- .67

Null

Regardless of the data type, under certain conditions a field may be *null*, which means there is no data for that field (i.e., the field is blank).

Restricting values for a data type

Restrictions are used to define acceptable values for any given data type. The following lexicon is used when defining data types:

- Square brackets define the *pattern*.
    - e.g., [A-L] means only the uppercase letters A through L are allowed.
    - e.g., [U|D] means only the uppercase letters U or D are allowed.
    - e.g., [0-9] means only the numbers 0 through 9 are allowed
- Curly brackets define the *length* including spaces.
    - e.g., {3} means the value has to be exactly 3 characters long.
    - e.g., {1,3} means the value has to be a minimum of 1 character and a maximum of 3 characters.
    - e.g., {0,50} means the value has to be a minimum of 0 characters and a maximum of 50 characters.

Example 1:

The Data Type is defined as follows:

> **Integer**
> **{3}**

The curly brackets mean only a 3-digit integer is allowed.

Valid Values for example 1:

- 009

- 056

- 102

Invalid Values for example 1:

- 09
- 3502
- 1
- +12
- -35

Example 2:

The Data Type is defined as follows:

String
[A-L]{1}

The square brackets mean only the uppercase letters A through L are allowed and the curly brackets mean it must be exactly 1 character long.

Valid Values for example 2:

- B
- L

Invalid Values for example 2:

- a
- M
- 6

Example 3:

The Data Type is defined as follows:

String
[0-9]{3}

The square brackets mean only the numbers 0 through 9 are allowed and the curly brackets mean it must be 3 characters long.

Valid Values for example 3:

- 001
- 023
- 358

Invalid Values for example 3:

- 2
- 01
- 2026

Example 4:

The Data Type is defined as follows:

String
[0-9]{1,2}

The square brackets mean only the numbers 0 through 9 are allowed and the curly brackets mean it must be a minimum of 1 character long and a maximum of 2 characters long.

Valid Values for example 4:

- 4
- 04
- 41

Invalid Values for example 4:

- 123
- Blank or null value

Example 5:

The Data Type is defined as follows:

> **String**
> **[US|CA|MX]{2}**

The square brackets mean the pattern must be either US, CA or MX. The curly brackets mean it must be exactly 2 characters long.

Valid Values for example 5:

- US
- CA

Invalid Values for example 5:

- C
- USA

Example 6:

The Data Type is defined as follows:

> **String**
> **([PEA][0-9] [0-9] [0-9]){6}**

The square brackets inside the round brackets mean the pattern must be a concatenation of the text PEA followed by three single numbers, with each number ranging from 0 through 9. The curly brackets mean it must be exactly 6 characters long.

Valid Values for example 6:

- PEA002
- PEA356

Invalid Values for example 6:

- PEA0001
- PEA-005
- PEA-05
- PEA-0512
- PEA-2

Example 7:

The Data Type is defined as follows:

> **String**

{0,50}

The absence of square brackets means there are no restrictions to the characters in this string. The curly brackets mean it must be a minimum of 0 characters long (i.e., can be blank/null) and a maximum of 50 characters long.

Valid Values for example 7:

- 588.3-593.3 MHz + 628.3-633.3 MHz

- Albuquerque-Santa Fe, NM

Invalid Values for example 7:

- Greenville-Spartanburg, SC-Asheville, NC-Anderson, SC

- This is an invalid string which is longer than 50 characters including spaces.