

PBS: Bid Analyzer Tool

Part of the New User Interface is a tool that allows you to analyze your bid.

The Bid Analyzer tool is optional and will not affect your bid or your award. It serves only as a way of seeing how effective, or not, your bid lines or bid groups are. The Bid Analyzer will not give you a preview of what your block could be, rather it will show you if any of your bid lines allow PBS to award pairings that you may not prefer OR no pairings at all. The Bid Analyzer may be used to analyze a bid group or a bid line.

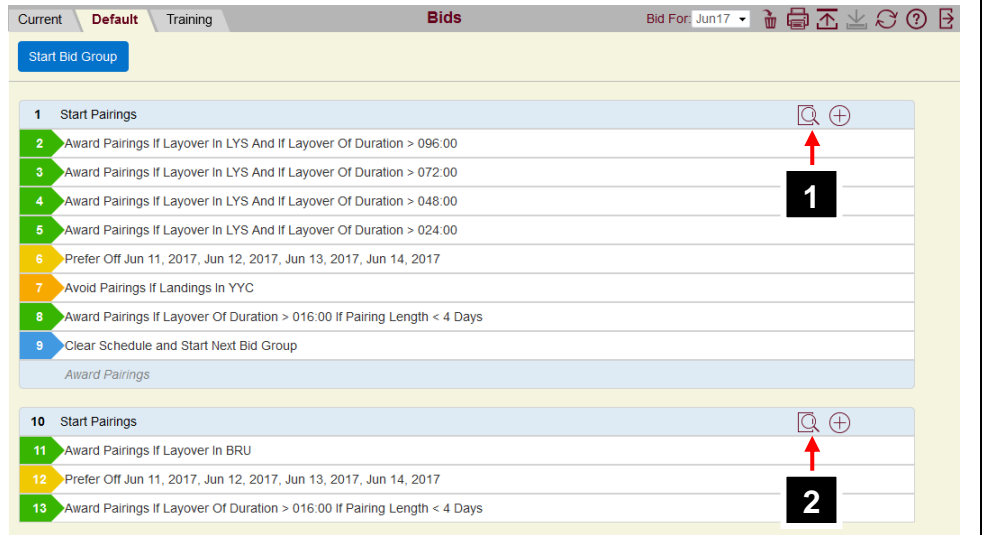
With Award bid lines, the Bid Analyzer will show you how many pairings may be awarded from a single bid line or from the entire bid group.

With Avoid or Prefer Off bid lines, the Bid Analyzer will show you how many pairings may not be awarded from a single bid line or from the entire bid group.

PBS: Bid Analyzer Tool

The Bid Analyze tool is accessed by clicking on the Analyze icon [1].

NOTE: Each Start Pairings bid group will have its own Bid Analyze button [2] and may be analyzed separately.



When the Bid Analyze button is selected it will highlight the entire bid group.

The Analyze window [3] will appear at the bottom of the screen. This window will show pairings in the selected category that match an individual bid line.

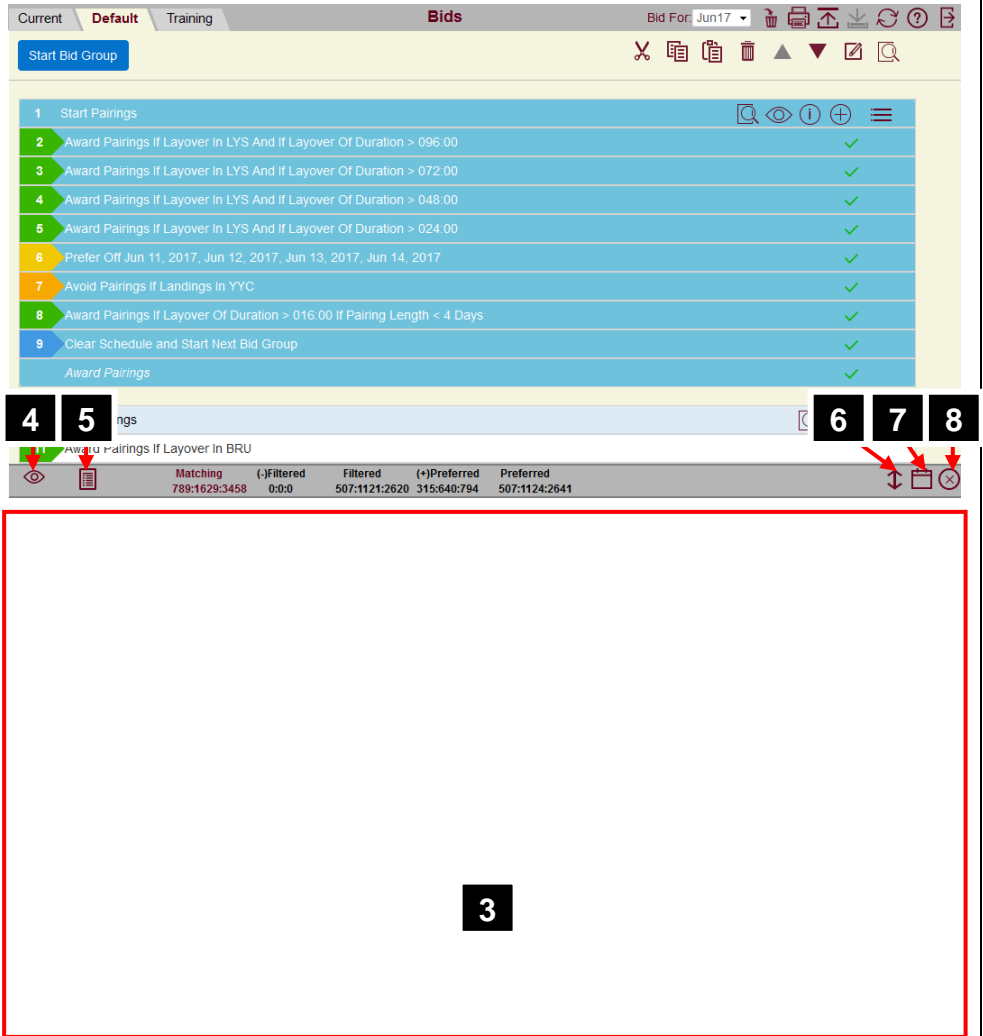
Show / Hide Columns [4] allows you to specify what information is displayed in the pairing display.

Show Pairing Report [5] will toggle the display of full pairing details for selected pairings.

Expand/Collapse [6] will expand the Analyze window to full screen or to the part screen (shown).

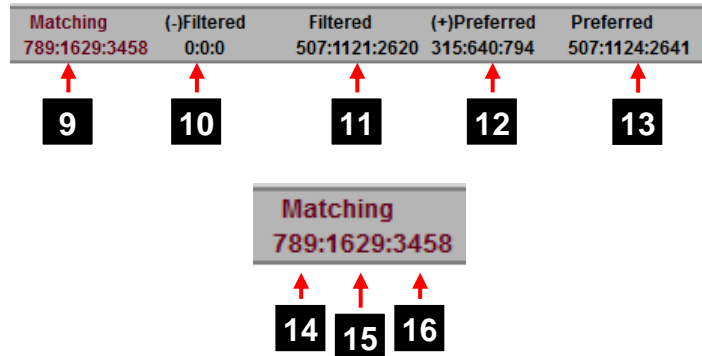
Dates [7] will replace the pairing information by a linear dates view.

Close [8] will close the Analyzer window.



PBS: Bid Analyzer Tool

The Bid Analyzer will also display information at the top of its window:



Information is sorted in 5 different categories:

- 9 – Matching: How many pairings match the bid preference
- 10 – (-)Filtered : How many pairings have been removed by the negative bid preference. These pairings will not be awarded unless Denial Mode is used
- 11 – Filtered: How many pairings remaining in the available pairing pool. This is the number of pairings that PBS will consider when awarding your block unless Denial Mode is used
- 12 – (+)Preferred: How many pairings have been added to the Preferred Pool
- 13 – Preferred: How many pairings are in the Preferred Pool. These are the number of pairings that match your bid preferences

NOTE: Awarding rules like 1 in 7, 4 in 14 and/or crew rest are NOT considered with the number of pairings that may be in the Preferred Pool

NOTE: Click on the desired category to display the pairings in that category. The selected category will be in RED. In the example above *Matching* is selected.

Each category may display three types of information:

- 14 – Pairings: Number of pairings that match the bid preference
- 15 – Pairing on Dates: Number of pairings X the number of times that the pairing(s) operates in the bid period
- 16 – Pairing Instances: Pairings on Dates X the number of positions in your classification

PBS: Bid Analyzer Tool

Let's look at an example of how the Bid Analyzer works.

Select a bid line [1] by clicking on the bid line to see the results for that specific bid line. The Bid Analyzer will show specifics about that bid line.

Any pairing(s) matching that bid line [2] will be displayed in the window.

In this example:

Matching shows that there is 1 pairing that matches this bid line (bid line 2), that this pairing occurs 2 times in the month and that there are a total of 14 positions available.

NOTE: The Matching category has been selected (in red). Any pairing(s) in that category will be displayed [3].

(-)Filtered shows nothing as bid line 2 is a positive bid line.

Filtered shows all of the pairings in the pairing pool. At this point all of the pairings are still available.

(+)Preferred shows the number of pairings matching the selected bid line that have been added to the pool of pairings that may be awarded to this point. There is 1 pairing operating 2 times with a total of 14 positions.

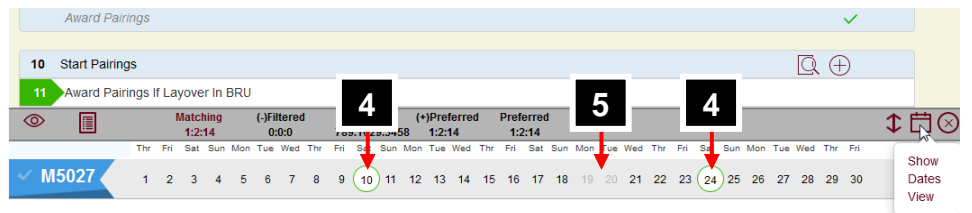
Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 1 pairing operating 2 times with a total of 14 positions.

The screenshot displays the PBS Bid Analyzer tool interface. At the top, there are tabs for 'Current', 'Default', and 'Training', and a 'Bids' section with a 'Bid For' dropdown set to 'Jun17'. A 'Start Bid Group' button is visible. Below this is a list of bid lines, each with a status icon and a checkmark. Bid line 2 is highlighted in red, and a red arrow points to it from a black box labeled '1'. Below the list, a detailed view of bid line M5027 is shown. It includes a 'Check-In 19:00' and 'Check-Out 14:00' field, and a 'Credit Value 028:31' field. A red arrow points to the 'Matching 1:2:14' field, which is highlighted in red, and another red arrow points to the '1' in '1:2:14', which is highlighted in a black box labeled '2'. A third red arrow points to the '1' in '1:2:14', which is highlighted in a black box labeled '3'. The interface also shows a summary of pairings: Matching 1:2:14, (-)Filtered 0:0:0, Filtered 789:1629:3458, (+)Preferred 1:2:14, and Preferred 1:2:14. Other details include 'FA GPP 330' and '06 Days'.

PBS: Bid Analyzer Tool

Using the Dates View gives us a better illustration. Green circles [4] indicate the pairings that are available to be awarded.

Greyed out dates [5] indicate a pre-awarded activity such as training, vacation, etc.



Selecting the next bid line (bid line 3) shows our potential progress.

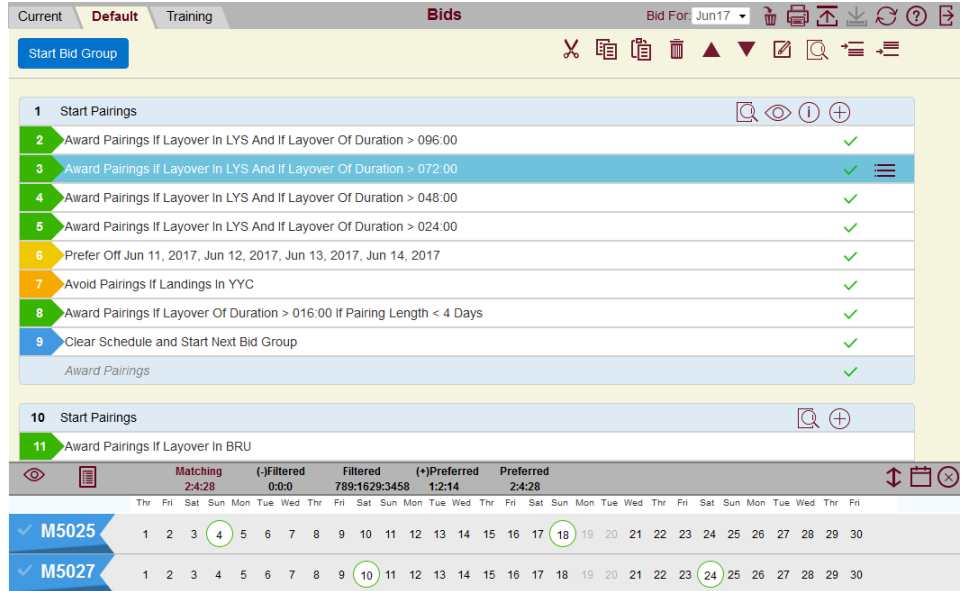
Matching shows that there are 2 pairings that matches this bid line (bid line 3), that combined these pairings occur 4 times in the month and that there are a total of 28 positions available.

(-)Filtered shows nothing as bid line 3 is a positive bid line.

Filtered shows all of the pairings in the pairing pool. At this point all of the pairings are still available.

(+)Preferred shows the number of pairings matching the selected bid line that have been added to the pool of pairings that may be awarded to this point. There is 1 pairing operating 2 times with a total of 14 positions that has been added. Pairing M5027 was already in the Preferred Pool and M5025 has now been added.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 2 pairings operating 4 times with a total of 28 positions.



NOTE: The Bid Analyzer may also indicate matching pairings that overlap with pre-assigned activities like training and/or vacation. Pairing M5025/18 is a 3-day pairing that would overlap the 2-day training on the 19/20. This specific pairing could not be awarded on that date yet it does appear in the count.

PBS: Bid Analyzer Tool

Selecting the next bid line (bid line 4) shows our potential progress.

Matching shows that there are 3 pairings that matches this bid line (bid line 4), that combined these pairings occur 7 times in the month and that there are a total of 49 positions available.

(-)Filtered shows nothing as bid line 4 is a positive bid line.

Filtered shows all of the pairings in the pairing pool. At this point all of the pairings are still available.

(+)Preferred shows the number of pairings matching the selected bid line that have been added to the pool of pairings that may be awarded to this point. There is 1 pairing operating 3 times with a total of 21 positions that has been added. Pairings M5025 and M5027 were already in the Preferred Pool and M5026 has now been added.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 3 pairings operating 7 times with a total of 49 positions.

The screenshot displays the PBS Bid Analyzer Tool interface. At the top, there are tabs for 'Current', 'Default', and 'Training', and a 'Bids' section. A 'Start Bid Group' button is visible. Below this, a list of bid lines is shown, with bid line 4 selected. Bid line 4 is 'Award Pairings If Layover In LYS And If Layover Of Duration > 048:00'. Below the list, there is a summary table for the selected bid line:

	Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
	3:7:49	0:0:0	789:1629:3458	4:3:21	3:7:49

Below the summary table, there is a calendar view for the month of June. The calendar shows the days of the month (1-30) and the days of the week (Thr, Fri, Sat, Sun, Mon, Tue, Wed, Thr, Fri). Three pairings are listed: M5025, M5026, and M5027. The calendar shows the following pairings:

Pairing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
M5025				4														18												
M5026							7														21						28			
M5027										10														24						

PBS: Bid Analyzer Tool

Selecting the next bid line (bid line 5) shows our potential progress.

Matching shows that there are 4 pairings that matches this bid line (bid line 5), that combined these pairings occur 16 times in the month and that there are a total of 112 positions available.

(-)Filtered shows nothing as bid line 5 is a positive bid line.

Filtered shows all of the pairings in the pairing pool. At this point all of the pairings are still available.

(+)Preferred shows the number of pairings matching the selected bid line that have been added to the pool of pairings that may be awarded to this point. There is 1 pairing operating 9 times with a total of 63 positions that has been added. Pairings M5025, M5026 and M5027 were already in the Preferred Pool and M5024 has now been added.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 4 pairings operating 16 times with a total of 112 positions.

The screenshot shows the PBS Bid Analyzer Tool interface. At the top, there's a navigation bar with 'Current', 'Default', and 'Training' tabs, and a 'Bids' section. Below that, a 'Start Bid Group' button is visible. The main area displays a list of bid lines (1-9) with various rules and their status (checked or unchecked). Bid line 5 is highlighted in blue. Below the list, there's a summary table for bid line 5:

	Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
	4:16:112	0:0:0	789:1629:3458	4:9:63	4:16:112

Below the summary table, there's a calendar view for pairings M5024 through M5027. The calendar shows the number of pairings for each day of the month (1-30). Pairings M5024, M5025, M5026, and M5027 are all checked. The calendar shows that M5024 has 9 pairings (on days 9, 14, 15, 16, 17, 18, 23, 24, 25), M5025 has 4 pairings (on days 4, 5, 6, 7), M5026 has 1 pairing (on day 7), and M5027 has 10 pairings (on days 10, 11, 12, 13, 14, 15, 16, 17, 18, 19).

PBS: Bid Analyzer Tool

Selecting the next bid line (bid line 6) shows our potential progress.

Matching shows that there are 192 pairings that matches this bid line (bid line 6), that combined these pairings occur 278 times in the month and that there are a total of 606 positions available.

(-)Filtered shows the number of pairings matching the selected bid line that have been removed from the pool of pairings that may be awarded to this point. There are 192 pairings operating 278 times with a total of 606 positions that has been added.

Filtered shows all of the pairings in the pairing pool. At this point the total pool has been reduced by the number of pairings filtered by bid line 6 leaving 670 pairings operating 1351 times with a total of 2852 positions.

(+)Preferred shows nothing as bid line 6 is a negative bid line.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 4 pairings operating 16 times with a total of 112 positions.

The screenshot shows the PBS Bid Analyzer Tool interface. At the top, there are tabs for 'Current', 'Default', and 'Training', and a 'Bids' section with a 'Bid For' dropdown set to 'Jun17'. A 'Start Bid Group' button is visible. Below this is a list of bid lines (1-9) with various rules and a 'Start Pairings' button. Bid line 6 is highlighted in blue. Below the list, a summary bar shows: Matching 192:278:606, (-)Filtered 192:278:606, Filtered 670:1351:2852, (+)Preferred 0:0:0, and Preferred 4:16:112. A red arrow points to the number '6' in the 'Filtered' column. Below this is a calendar view for pairings M5004 through M5011. The calendar shows days of the week (Thu-Fri) and dates (1-30). Yellow circles around the numbers 9, 10, 11, 12, 13, and 14 indicate avoided pairings. Bid line M5011 has a yellow circle around the number 9.

NOTE: Yellow circles [6] indicate pairings that are avoided (due to a Prefer Off or Avoid bid line).

PBS: Bid Analyzer Tool

Selecting the next bid line (bid line 7) shows our potential progress.

Matching shows that there are 192 pairings that matches this bid line (bid line 7), that combined these pairings occur 279 times in the month and that there are a total of 281 positions available.

(-)Filtered shows the number of pairings matching the selected bid line that have been removed from the pool of pairings that may be awarded to this point. There are 163 pairings operating 230 times with a total of 232 positions that has been added.

Filtered shows all of the pairings in the pairing pool. At this point the total pool has been reduced by the number of pairings filtered by bid line 7 leaving 507 pairings operating 1121 times with a total of 2620 positions.

(+)Preferred shows nothing as bid line 7 is a negative bid line.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 4 pairings operating 16 times with a total of 112 positions.

The screenshot displays the 'Bids' configuration window in the PBS Bid Analyzer Tool. The interface includes a 'Start Bid Group' button and a list of bid lines with their respective rules and status indicators (checkmarks). Bid line 7, 'Avoid Pairings If Landings In YYC', is highlighted in blue. Below the list, a summary table shows the following statistics:

Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
192:279:281	163:230:232	507:1121:2620	0:0:0	4:16:112

Below the summary, a calendar view shows the distribution of pairings for months M8008 through M8013. The calendar uses a 30-day grid with days of the week (Thru Fri) indicated. Numbers in the grid represent the number of pairings for that day. Some numbers are circled in yellow, indicating specific pairings. For example, in M8010, pairings occur on days 1, 5, 9, 10, 12, 13, 14, 15, 16, 17, 18, and 29.

PBS: Bid Analyzer Tool

Selecting the next bid line (bid line 8) shows our potential progress.

Matching shows that there are 269 pairings that matches this bid line (bid line 8), that combined these pairings occur 630 times in the month and that there are a total of 2233 positions available.

(-)Filtered shows nothing as bid line 8 is a positive bid line.

Filtered shows all of the pairings in the pairing pool leaving 507 pairings operating 1121 times with a total of 2620 positions.

(+)Preferred shows the number of pairings matching the selected bid line that have been added to the pool of pairings that may be awarded to this point. There are 188 pairings operating 468 times with a total of 1735 positions that has been added.

Preferred shows the total number of pairings in the Preferred Pool. So far, in our bid we may be awarded a total of 192 pairings operating 484 times with a total of 1847 positions.

The screenshot shows the PBS Bid Analyzer Tool interface. At the top, there's a navigation bar with 'Current', 'Default', 'Training', and 'Bids' tabs. A 'Start Bid Group' button is visible. Below this is a list of bid lines (1-9) with various rules and status indicators. Bid line 8 is highlighted in blue. Below the list, there's a summary bar showing 'Matching 269:630:2233', '(-)Filtered 0:0:0', 'Filtered 507:1121:2620', '(+)Preferred 188:468:1735', and 'Preferred 192:484:1847'. A red arrow points to bid line 8 in the summary bar. Below the summary bar is a calendar view for months M5001 through M5010, showing dates 1-30. Bid line 8 is selected, and its pairings are shown as green circles on the calendar. Some dates are highlighted with yellow circles, indicating they are affected by a negative bid line.

NOTE: Award bid lines that are below any negative bid line(s) like Prefer Off and/or Avoid will display all the dates that the pairing operates. Pairings on dates that are affected by a negative bid line are indicated are in yellow circles [7].

NOTE: Pairings that operate on dates where a pre-assigned activity occurs are also displayed and counted in the totals.

PBS: Bid Analyzer Tool

Not all bid lines will return results in the Bid Analyzer.

Instruction, Set Condition and Waive bid lines types will not show pairings that may be awarded.

Bid lines containing Employee, Limit will not show pairings that may be awarded.

The screenshot shows the 'Bids' section of the Bid Analyzer tool. At the top, there are tabs for 'Current', 'Default', and 'Training', and a 'Bid For' dropdown set to 'Jun17'. A 'Start Bid Group' button is visible. Below this is a list of bid lines, each with a status indicator (green checkmark or orange/yellow arrow) and a 'Clear Schedule and Start Next Bid Group' button. The list includes:

- 1 Start Pairings
- 2 Award Pairings If Layover In LYS And If Layover Of Duration > 096:00
- 3 Award Pairings If Layover In LYS And If Layover Of Duration > 072:00
- 4 Award Pairings If Layover In LYS And If Layover Of Duration > 048:00
- 5 Award Pairings If Layover In LYS And If Layover Of Duration > 024:00
- 6 Prefer Off Jun 11, 2017, Jun 12, 2017, Jun 13, 2017, Jun 14, 2017
- 7 Avoid Pairings If Landings In YYC
- 8 Award Pairings If Layover Of Duration > 016:00 If Pairing Length < 4 Days
- 9 Clear Schedule and Start Next Bid Group
- Award Pairings
- 10 Start Pairings
- 11 Award Pairings If Layover In BRU

At the bottom, there is a summary bar with the following data:

Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
0:00	0:00	507:1121:2620	0:00	192:484:1847

Below the summary bar is a calendar view for the week of June 11-17, 2017.

Other options for viewing information in the Bid Analyzer include:

1 – **Show/Hide** where you may choose what details are displayed in the various fields in the Analyzer Window.

This screenshot shows the same Bid Analyzer interface as above, but with a context menu open over the 'Show/Hide' icon (a magnifying glass with a checkmark) for bid line 2. A red arrow points to the icon. The context menu options are:

- ✓ Matching
- ✓ Removed From Filtered
- ✓ Filtered
- ✓ Added To Preferred
- ✓ Preferred
- ✓ Toggle
- ✓ Pairings
- ✓ Pairing On Dates
- ✓ Pairing Instances

At the bottom of the screenshot, a detailed view for bid line 'M5027' is shown:

✓ M5027	Check-in 19:40	Check-Out 14:00	Credit Value 028:31	LYS	FA,GPP	330	06 Days
			TAFB 114:20				

PBS: Bid Analyzer Tool

2 – Show results in your bid will add the various details just under your bid line.

NOTE: The (+)Filtered and (-)Filtered information is shown in positive (Award) and negative (Prefer Off/Avoid) bid lines respectively.

The screenshot shows the 'Bids' interface with a list of bid lines. The first bid line is 'Start Pairings' with a green checkmark icon in the top right corner. A red arrow points to this icon, which is labeled with a '2' in a black box. Below the list, there is a calendar view for the month of June 2017, with the 10th, 11th, 12th, and 13th highlighted in green.

3 – Clicking on the green checkmark to the right of the bid line [3] will “remove” that bid line or bid lines from being part of the analysis results. This may be practical if you want to see the results of using that bid line or not OR to see what effect Denial Mode may have on your bid (if triggered).

In this example, we have “removed” bid line 6 and can see that pairings are now awardable on the 11, 12, 13 and 14.

NOTE: Removing a bid line or bid lines from being analyzed **does not** remove them from your actual bid. To do that you must delete them.

The screenshot shows the 'Bids' interface with a list of bid lines. The sixth bid line is 'Prefer Off Jun 11, 2017, Jun 12, 2017, Jun 13, 2017, Jun 14, 2017' with a green checkmark icon in the top right corner. A red arrow points to this icon, which is labeled with a '3' in a black box. Below the list, there is a calendar view for the month of June 2017, with the 11th, 12th, 13th, and 14th highlighted in green.

PBS: Bid Analyzer Tool

Showing what pairings are available to be awarded or avoided is helpful. So is showing what pairings are awarded or not awarded when you expected is also helpful. Catching potential errors prior to the bid close may save you from unfortunate awarding issues.

Here is an example of an Avoid bid line that, if read by PBS, does not remove any pairings from the pool.

Avoid Pairings If Pairing Length < 1 Days

We see that this bid line has zero pairings matching [1] and zero pairings avoided [2]. This bid line would have no effect in your overall bid.

The screenshot shows the PBS Bid Analyzer interface. Bid line 7 is highlighted in blue and reads "Avoid Pairings If Pairing Length < 1 Days". Below the list of bid lines, a summary bar shows: Matching 0:0:0, (-)Filtered 0:0:0, Filtered 676:1351:2852, (+)Preferred 0:0:0, and Preferred 4:16:112. Two red arrows point to the "Matching 0:0:0" and "(-)Filtered 0:0:0" values, which are labeled with black boxes containing the numbers 1 and 2 respectively.

Here is an example of an Award bid line that, if read by PBS, does not add any pairings to your bid.

Award Pairings If Layover Of Duration > 016:00 If Pairing Length < 1 Days

We see that this bid line has zero pairings matching [3] and zero pairings available to be awarded [4]. This bid line would have no effect in your overall bid.

At this point in the bid the only pairings that could be awarded are the ones from bid lines 2, 3, 4 and 5 as well as not avoided by bid line 6.

The screenshot shows the PBS Bid Analyzer interface. Bid line 8 is highlighted in blue and reads "Award Pairings If Layover Of Duration > 016:00 If Pairing Length < 1 Days". Below the list of bid lines, a summary bar shows: Matching 0:0:0, (-)Filtered 0:0:0, Filtered 507:1121:2620, (+)Preferred 0:0:0, and Preferred 4:16:112. Two red arrows point to the "Matching 0:0:0" and "Filtered 507:1121:2620" values, which are labeled with black boxes containing the numbers 3 and 4 respectively.